INTERNATIONAL SECURITY AND ESTONIA 2026

Estonian Foreign Intelligence Service

FOREWORD

DEAR READER,

On 10 January, the war reached its 1,417th day – exactly the same length as the Second World War on the Eastern Front between the Soviet Union and Nazi Germany. In nearly four years, Russia has exhausted most of the military stockpiles it inherited from the Soviet Union, lost around one million soldiers killed or severely injured at the front, and inflicted untold suffering on Ukrainians. And yet Ukraine endures.

Despite Russia's frustrated efforts, there are no signs of change within the regime's leadership. Vladimir Putin, the Kremlin's figurehead, remains convinced that Russia, with its supposedly unique global role, is following a "special path". Russia therefore continues its pursuit of Ukraine's complete subjugation.

Through repression, Russia's ruler has created the illusion that there is no alternative to him – that the choice is between Putin and an abyss of uncertainty. But no one is irreplaceable. The war in Ukraine has brought severe hardship to Russia, and although Russians have cultivated a myth of themselves as masters of suffering, their tolerance for pain is not unlimited. A declining economy, empty fuel tanks, and the return of murderers and rapists from the front are hitting ordinary Russians with increasing force. History shows that when the screws are tightened too far, Russians have at times found the courage to leap into the unknown.

Equally Potemkin-like is the notion of Russia's omnipotence. What does the Kremlin have to show after almost four years of war? On the one side stand a rearming Europe and a more determinedly independent Ukraine than ever before, recalling the Russian proverb that urges one to measure oneself by the might of one's enemies. On the other side lie a faltering domestic economy, hundreds of thousands of maimed and traumatised citizens, and ever-deepening repression. This is the true face of the "Russkiy Mir".

Nor has the Kremlin succeeded in breaking allied unity. Its repeated failures show that Russia's ruling elite is simply incapable of doing so. Although Russian acts of sabotage and influence efforts do occur, we should not conjure threats where none exist: not every event reflects a cunning plan or the omnipotent hand of the Kremlin – often, it is simply a coincidence.

As for Russia's own alliances, recent developments involving Iran and Venezuela have made it clear that alignment with Russia offers little benefit. These cases show that Moscow tends to forget its allies in times of need.

Russia remains dangerous despite its incompetence, and vigilance is essential to prevent the expansion of the "Russian World". While sanctions clearly affect the Russian economy, loopholes remain that must be closed through targeted measures and cooperation among Western countries – whether the issue is the smuggling of dual-use goods to Russia, vulnerabilities in its explosives industry, or the critical technological leaps that NATO will require to counter Russia's growing reliance on unmanned military systems.

There is, however, no cause for panic. In the Estonian Foreign Intelligence Service's assessment, Russia has no intention of militarily attacking Estonia or any other NATO member state in the coming year. We are likely to reach a similar assessment next year because Estonia and Europe have taken steps that compel the Kremlin to calculate very carefully what, if anything, it can risk attempting. Even if no such intention exists today, our task is to ensure that this remains the case tomorrow and in the future. Russia's military reform will enhance the capabilities of its armed forces in the years ahead. To counter this, Estonia and NATO must continue investing in defence. Russia's calculations of the balance of power must always work to our advantage.

It is firm and steady preparedness that truly deters Russia. By maintaining it, we demonstrate to Russia the qualities it fears most – that we are free, resolute and resilient, and that we make our own choices without coercion or pressure from anyone.

Kaupo Rosin
Director General of the Estonian Foreign Intelligence Service
10 February 2026

TABLE OF CONTENTS

SUMMARY

1. The Kremlin merely feigns interest in peace talks, hoping to restore its bilateral relations with the United States to their previous level and formalise Ukraine's defeat. Despite this illusory thaw, Russia continues to regard the US as its principal adversary. *Read more in Chapter 1.1.*

2. Aspiring to great-power status, Russia seeks to undermine the current international order by courting the so-called "global majority" and pressuring the Commonwealth of Independent States. *Read more in Chapter 1.2.*

3. Russia's attempt to topple Moldova's pro-Western government has failed, but it will not be the last: the Kremlin will almost certainly learn from its mistakes and make another attempt to hijack Moldova's statehood. *Read more in Chapter 1.3.*

4. A US-brokered breakthrough in Armenia–Azerbaijan relations undermines Russia's geopolitical interest. Russia is likely to launch an extensive influence campaign against Armenia in 2026. *Read more in Chapter 1.4.*

5. In Moscow's rhetoric, the Baltic Sea region is now described as the "Baltic–Scandinavian macro-region". Russia uses this label to obscure its efforts to influence countries in this region and re-establish contacts with researchers and policymakers in the area. *Read more in Chapter 2.1.*

6. Marginalised from respected Western political and cultural circles, Russia is constructing a parallel universe in which it awards its own peace prize on its own terms. The initiative illustrates how the Kremlin hopes covert influence can help shed its image as an aggressor state. *Read more in Chapter 2.2.*

7. Russia has diversified its foreign-policy engagement in Africa. Expanding cooperation allows Moscow to spread anti-Western narratives, secure resources without triggering sanctions and funnel trapped students to the front. *Read more in Chapter 2.3.*

8. Russia is facing increasingly severe economic challenges and is neglecting almost all non-military sectors as the war in Ukraine drags on. As a result, the risk of economic and social instability is set to rise in 2026. *Read more in Chapter 3.1.*

9. In 2026, Russia is likely to impose even harsher measures to restrict access to independent information in online media. The Kremlin is systematically intensifying its ideological influence and indoctrination efforts aimed at young people. In the face of ongoing suppression of freedom of opinion and expression, the Kremlin continues to stage farcical elections. During the 2026 State Duma elections, it is likely to employ even greater pressure and control tactics than in the past. *Read more in Chapter 3.2.*

10. Russia's economy has entered a downturn. The defence sector is expanding at the expense of a contracting civilian economy. A complete collapse of the Russian economy remains highly unlikely. *Read more in Chapter 3.3.*

11. Russia's sanctions-strained military-industrial complex continues to function thanks to Kremlin proxies who ensure the continued flow of goods essential to the defence industry. Russia's military intelligence service plays an active role in these efforts. *Read more in Chapter 4.1.*

12. Russia is establishing large numbers of unmanned systems units across all services and branches of its armed forces. In any future conflict with Russia, allies must be prepared to face an adversary that employs unmanned systems at scale – at strategic, operational and tactical levels, on land, in the air and at sea. *Read more in Chapter 5.1.*

13. Russia's military-industrial complex has increased artillery ammunition production more than seventeenfold since 2021. This indicates that Russia is highly likely preparing for future conflict even as its war against Ukraine continues. *Read more in Chapter 5.2.*

14. Russian army recruiters target socially vulnerable groups to meet quotas. Lawlessness, abuse of power and crime are widespread in the armed forces, posing a threat to both Russian society and neighbouring states. *Read more in Chapter 5.3.*

15. Pyongyang is expanding its efforts internationally: the state spies on its partners and raises funds for its weapons programmes through its overseas labour diaspora. *Read more in Chapter 6.1.*

16. China and Russia believe that the current era of geopolitical upheaval allows them to reshape the global balance of power in their favour. Although they mistrust one another, both believe they stand to gain more than they lose from cooperation. *Read more in Chapter 6.2.*

17. The spread of DeepSeek serves several Chinese objectives: it helps launch China's new industrial revolution and provides a channel for promoting Chinese propaganda in the West. *Read more in Chapter 6.3.*

18. AI carries a range of serious risks alongside its many benefits. Mitigating these risks must occur at both the state and organisational levels by applying an AI-use strategy and organisational, ethical, legal and technical measures derived from it. *Read more in Chapter 7.1.*

19. Estonia's framework of measures for protecting classified information is largely uniform and offers little flexibility; however, as risk assessments date quickly, risk management must be continuous. Protection measures should therefore be determined on a risk basis at the points where information is created and processed. *Read more in Chapter 7.2.*

CHAPTER 1

RUSSIAN FOREIGN POLICY

RUSSIA ATTEMPTS TO USE PEACE TALKS AS A TOOL FOR MANIPULATION

The Kremlin merely feigns interest in peace talks.

Russia hopes to restore bilateral relations with the United States to their previous level and formalise Ukraine's defeat.

Any apparent thaw is illusory: Russia will continue to see the United States as its principal global adversary.

Russia believes the international environment is undergoing a shift in which existing institutions and the Western-centric world order built around them are losing relevance. Chaos and fragmentation serve Russia's interests, as they make it easier for the country to assert itself with characteristic brutality.

In 2025, Russia's policy towards the West appeared to shift. In Moscow's official messaging, European states were now framed as more hostile than the United States, historically Russia's main adversary. This change stemmed from the Kremlin's ambition to exploit the new US administration to restore bilateral relations and pursue a settlement that would formalise Ukraine's defeat.

However, Russia's policy towards the United States remains fundamentally unchanged. Moscow still regards Washington as its foremost global adversary, believing that their interests clash in several regions, including the Middle East, Latin America and the South Caucasus.

Yet – at least for now – Russia's state institutions have been instructed by the Kremlin to project openness and willingness to cooperate with the United States for several reasons.

Putin delivering a monologue on the "root causes of the conflict".

Source: Alexander Kazakov (Reuters)

HOPES TO MARGINALISE THE WEST

First, Russia seeks to fully restore diplomatic relations between the two nations. Re-establishing direct flights and visa issuance, especially for business and economic circles, is also essential for Moscow, as it would greatly facilitate espionage, influence operations and the movement of sanctioned goods into Russia. Ending sanctions quickly is another high priority, given their clear impact on Russia's defence industry and the regime's sustainability.

Russia also pursues more ambitious goals regarding strategic arms. Presenting itself as a "responsible nuclear power", Moscow hopes to open the door to broader security talks, including efforts to impose restrictions on NATO activities along the alliance's border with Russia. The size of Russia's nuclear arsenal and its loud nuclear sabre-rattling give Moscow its only real leverage to appear as an equal among global powers, allowing it to exploit arms-control discussions in several ways.

In parallel with official diplomacy, Russia is attempting to use the network of the Russian Orthodox Church in its anti-Western influence operations, seeking new sympathisers among extremist circles and spreading false claims about the persecution of Orthodox believers in Ukraine. While Russia's leadership likes to preach about the West's moral decline, it cynically uses democratic freedoms to advance its goals through the Church network, while harshly persecuting peaceful religious communities that originate in Europe and the United States.

COOPERATION IS ONLY A RUSE

Russia's immediate and more ambitious aims both serve to expand its influence and marginalise the United States and the West more broadly.

In the economic sphere, Russia eagerly offers nominal cooperation and hopes to benefit in two ways: first, by binding US and Russian interests more closely together; second, by widening what Moscow perceives as existing rifts between the US and Europe. One area where Russia envisions "pragmatic cooperation" is the Arctic, where the Kremlin could signal a preference for working with Washington while keeping China out of the region.

In addition to military and political measures, Russia plans to use economic inducements to subjugate Ukraine. One such instrument could be an international investment fund ostensibly created to support Ukraine's post-war reconstruction. In reality, any profits generated would be shared between Russia and other partners, creating conditions in which Moscow could more easily impose its will on Ukraine. Russia also intends to involve China as a minority partner.

The investment fund would additionally be used to finance media and educational campaigns aimed at erasing Russia's image as an aggressor. Because the fund would be financed primarily from Russian assets frozen in the West, Moscow would seek to retain control over how these assets are used and to ensure that seized funds are not deployed solely on terms acceptable to the West and Ukraine.

RUSSIA WANTS TO BUY TIME

Russia is setting long-term operational objectives in its war against Ukraine. This confirms that the recent uptick in peace-talk rhetoric is merely a tactic to buy time. Moscow has no intention of ending the war until its objectives are achieved or the conditions are favourable for doing so.

For Russia, any potential settlement must harm the interests of Ukraine and the countries supporting it. To this end, Russia continually attempts to use peace talks as a tool for manipulation, once again exploiting Western goodwill to justify new and broader demands.

Moscow uses negotiations over ending the war in Ukraine as a means to normalise its bilateral relations with the United States. Despite this illusory thaw, Russia's aims remain unchanged: it seeks to marginalise the United States and NATO and to reshape Europe's security architecture according to Moscow's vision.

RUSSIA TARGETS THE ‘GLOBAL MAJORITY’ AND THE COMMONWEALTH OF INDEPENDENT STATES

Russia’s claim to great-power status rests on weakening the West and international institutions that uphold democracy and human rights.

While courting formerly colonised states, Russia is wary of being associated with its own imperial past and present.

The Kremlin is debating ways to influence the more assertive Commonwealth of Independent States members, combining direct pressure with propaganda.

In the Russian leadership’s view, two key processes are shaping the international arena: the perceived decline of the so-called collective West and the shift away from globalisation towards greater fragmentation. Existing ties between states are expected to continue, but in Russia’s conception, they are increasingly driven by realpolitik and national interests rather than by shared ideology.

The Kremlin, which aspires to global great-power status, hopes to accelerate these trends. The reason is simple: with an ageing population and a shrinking economy, Russia can present itself as a great power in the future only if the West and the international organisations that uphold democracy and human rights in practice are weakened.

Moscow has therefore set out to court the so-called “global majority” to undermine Western influence. On the one hand, Russia seeks to develop alternative financial payment and settlement systems that bypass Western infrastructure. On the other, it promotes narratives that cast the West in a negative light.

KEY RUSSIAN TALKING POINTS

- By protecting intellectual property, the West restricts access to resources for countries seeking to modernise their economies.
- The West uses climate policy as a tool of unfair competition, hindering the development of the “global majority”.
- Through measures aimed at constraining Russia’s defence industry, such as secondary sanctions, the West seeks to preserve its hegemony and slow the economic development of non-Western societies.

Russia understands that most major powers, including several of the more influential BRICS members, have little interest in a rapid and radical overhaul of the world order, which would bring instability and uncertainty. For this reason, Moscow often opts for “softer” claims: that the “global majority” can manage without the West, and that the West needs the rest of the world more than the rest of the world needs the West.

This approach is more likely to succeed, as it avoids forcing third countries into overt opposition to the West. At the same time, Russia increasingly frames its actions as a struggle against Western hegemony, seeking support from states that suffered under colonial rule.

In doing so, Russia does not regard the "global majority" as valued partners, but merely as instruments for reducing Western influence.

THE PRISON GUARD OF THE COMMONWEALTH OF INDEPENDENT STATES

While posturing as an anti-colonial force, Russia fears being associated with its own colonial and imperial past and present, particularly in the member states of the Commonwealth of Independent States (CIS).

The Russian leadership is particularly troubled by the growing self-confidence of Central Asian leaders and "nationalist" intelligentsia. Their increasingly critical view of Russia as a conqueror, colonial master and impediment to development is seen by the Putin regime as damaging Russia's image in the eyes of the "global majority".

As a result, the Kremlin is discussing ways to influence CIS leaders and populations through direct pressure and extensive propaganda campaigns that glorify Russia. Among other things, campaign organisers are tasked with promoting the claim that Russia bestowed civilisation upon the peoples of Central Asia and gave them far more than it ever received in return.

Because Moscow can no longer issue unquestioned orders to former Soviet republics, it has adopted a different approach towards more self-assertive CIS states. Through officials engaging with Central Asia, figures in education, and Russian educational institutions and their branches, the Kremlin seeks to shape younger generations – the future elite of CIS states – in a direction loyal to Moscow. In this way, Russia continues to act like a prison guard within the enclosure it has created in the post-Soviet space, seeking to compensate for the "escape" of Moldova,[1] Georgia and Ukraine by exerting harsher pressure on those who remain.

Russia's efforts to manipulate the "global majority" will not cease in the near future. Whether they prove effective will depend primarily on the willingness of states labelled as part of the "global majority" to go along with Russia's manoeuvres.

Russia's true attitude towards the "global majority" is reflected in the brutal treatment of its representatives.

Source: Ilya Naymushin (Reuters)

1 Moldova remains formally a CIS member but has suspended its participation in most areas.

THE KREMLIN'S LOST BATTLE IN MOLDOVA

Russia's recent bid to unseat Moldova's pro-Western government has failed.

The Kremlin is analysing the lessons, drawing conclusions and updating its methods.

Russia is almost sure to make another attempt to seize control of Moldova's state institutions.

Last September, the Kremlin intervened forcefully in Moldova's parliamentary elections with the aim of toppling the country's pro-Western government. Open-source information suggests that Moscow spent around 150 million dollars on this massive influence campaign, deploying virtually every tool in its arsenal. And it lost.

ORCHESTRATED BY THE PRESIDENTIAL ADMINISTRATION

The influence campaign against Moldova originated directly from the Kremlin. It was devised within the Russian Presidential Administration and was implemented directly from it.

The campaign drew on an extensive toolkit that ranged from familiar, "soft" tactics to measures with a distinctly military flavour.

At one end of the spectrum, there were propaganda, disinformation and smear campaigns, which have long been key staples of Russian influence activity. For decades, Moscow-controlled TV channels, newspapers, websites, and social media platforms have consistently targeted their audiences with a steady, methodical approach. However, the campaign against Moldova introduced several innovations. For instance, after receiving training in Russia, clergy from the Moldovan Orthodox Church shifted their propaganda activity to social media, where they disseminated Russian disinformation in a modern, digital format.

A pre-election cartoon in the Moldovan city of Ungheni: "They are bidding for your votes. But who is pulling the strings?" The cartoon depicts Moldovan politicians Ilan Shor and Vladimir Plahotniuc, who have ties to Russia, portrayed as puppets controlled by Vladimir Putin.

Source: Daniel Mihailescu (AFP)

At the other end of the spectrum were strike groups composed of men with tactical and military training. Their tasks during and after the elections involved staging violent provocations, clashing with Moldovan law-enforcement bodies, and likely carrying out direct attacks on selected key sites. Russian security services recruited around 150 men, who received specialised training in Serbia conducted at a picturesque holiday complex rented near the border with Bosnia and Herzegovina.

A broad range of additional tools and methods existed between these two extremes. These included establishing, guiding, advising and financing opposition parties in Moldova; bribing voters and officials; using opinion polls to influence the electorate; conducting cyberattacks and bomb threats; and attempting to manipulate the votes of the Moldovan diaspora.

The entire campaign against Moldova depended heavily on illicit Russian financing. The reason was simple: most of these activities required payment, one way or another. The funds were channelled through methods typical of money laundering and other financial crimes, including covert payment schemes and cryptocurrencies.

MOSCOW PRESSES ON

Russia's primary objective – to deprive the ruling pro-Western Party of Action and Solidarity (Partidul Acțiune și Solidaritate, PAS) of its parliamentary majority – failed. Moldova successfully repelled the complex operation due to the decisive actions of its law-enforcement agencies and executive branch. A number of organisations acting as Russian pawns were shut down or dismantled, and individuals serving Kremlin interests were detained.

A further factor in Moldova's success was that its law-enforcement bodies had the means and authority to do their jobs. Without these capabilities, it would have been impossible, for example, to identify and block illicit financial flows originating in Russia.

If Russia had succeeded in its objectives, Moldova would likely have faced political chaos, snap elections and at least a partial return to Moscow's sphere of influence. This would have happened at a time when Moldova's geographic position carries considerable strategic weight: it shares a border with Ukraine, which has successfully resisted Russia's war of conquest for four years, and with Romania, a NATO member.

Do Russia's attempts to control Moldova stop here?

Almost certainly not. The Kremlin is analysing the lessons learned, drawing conclusions, adjusting its methods where needed, recruiting new agents and developing new tools.

It is therefore almost certain that Russia will make a renewed attempt to seize control of Moldova's state institutions.

THE WEST SCORES A POINTS VICTORY IN THE SOUTH CAUCASUS

A US-brokered breakthrough in Armenia–Azerbaijan relations advances Western interests.

Russia views this as a threat to its geopolitical ambitions.

Russia is likely to launch an extensive influence campaign against Armenia in 2026.

In August 2025, a potentially historic event occurred in Washington. With the mediation of US President Donald Trump, Armenian Prime Minister Nikol Pashinyan and Azerbaijani President Ilham Aliyev met at the White House and initialled the agreed text of the peace agreement between the two countries.

Contrary to some public interpretations, Armenia and Azerbaijan have not yet signed a peace treaty. The initialling process is the preceding step in which both parties use their initials to confirm and authenticate that they have reached a final agreement on the wording of a treaty that has yet to be ratified. This step officially concludes the negotiations regarding the wording of the peace agreement.

Nonetheless, the meeting, brokered through US diplomacy, was a significant breakthrough for the entire South Caucasus region.

FOUR POINTS

First, the agreement by the Armenian and Azerbaijani leaders on the text of the peace treaty – and their commitment to resolve the conflict through diplomatic means – is a breakthrough in its own right.

Second, it is equally significant that this agreement was achieved without Russia's participation and, indeed, through Western mediation.

Third, Washington also secured framework agreements intended to open a west–east strategic transit corridor running through the South Caucasus and across the Caspian Sea. In addition to benefiting the countries of the region, such a corridor would give the West access to Central Asia, bypassing both Russia and Iran.

Fourth, the United States concluded bilateral agreements with Armenia and Azerbaijan, laying the foundation for a lasting Western strategic presence in both states.

A THREAT TO RUSSIA'S GEOPOLITICAL INTERESTS

From Moscow's perspective, this is an event that could mark the beginning of Russia's

8 August 2025: Azerbaijani President Ilham Aliyev (left), US President Donald Trump and Armenian Prime Minister Nikol Pashinyan shake hands at the White House in the name of peace.

Source: Kevin Lamarque (Reuters)

ejection from the entire South Caucasus. Such an outcome would be a painful psychological and geopolitical blow. Russia has considered the region unequivocally its own since the early 19th century, following its victorious wars against the Ottoman and Persian empires. The "loss" of the South Caucasus would therefore be a traumatic event of historic proportions for the Kremlin.

Russia also views the emergence of what it sees as a Western-controlled belt in the South Caucasus as a threat to its strategic economic interests. Such a belt would geographically isolate Russia from Iran and, by extension, from access to broader Middle Eastern markets and transport infrastructure, including railways and ports.

Being pushed out of the South Caucasus would be a painful psychological and geopolitical blow for Russia.

Finally, Russia sees the success of this project as a threat to its influence and standing in Central Asia. Currently, the landlocked states of Central Asia have essentially two routes to access global markets: one is a land route through Russia, and the other is a route that, to varying degrees, is under China's control. A Western-controlled alternative transit corridor that crosses the Caspian Sea and runs through the South Caucasus would disrupt this established framework. As a result, Russia would lose its long-standing position as a geographical intermediary, reducing its value, power and influence in the eyes of Central Asian states.

RUSSIA'S RESPONSE: AN INFLUENCE CAMPAIGN AGAINST ARMENIA

For all these reasons, Russia is highly likely to do everything in its power to derail the conclusion of the Armenia–Azerbaijan peace treaty and the creation of the transit corridor named after President Donald Trump.

Because the character of Russia–Azerbaijan relations changed significantly over the course of 2025, Moscow's best option for undermining President Trump's initiative is to intervene in Armenia's domestic politics.

Russia will therefore almost certainly launch a major influence campaign against Armenia in 2026. This campaign will aim to interfere in Armenia's parliamentary elections, remove Prime Minister Pashinyan from power, and install a government that appears nationalist but is, in substance, under Russia's control.

CHAPTER 2

RUSSIAN INFLUENCE ACTIVITIES

RUSSIA'S LEAKING 'RESEARCH VESSEL' STRANDED IN NATO-DOMINATED WATERS

A shift in the Kremlin's perception of threats has led it to devise a new framework for the Baltic Sea region that would allow it to analyse regional challenges and give Moscow fresh opportunities to exert its influence.

In official Kremlin discourse, the Baltic Sea region is now described as the 'Baltic–Scandinavian macro-region', a label used to mask efforts to re-establish contacts with researchers and policymakers in the area.

Western scholars who take the bait of Russian 'scientific cooperation' may unwittingly serve the Kremlin's interests.

In our 2025 annual review, we described how Russia employs its academic institutions and research centres as tools of shadow diplomacy in the West. This year, we look at how those structures are being utilised in more tangible ways. Specifically, we will examine how the Kremlin aims to re-establish its influence in the Baltic Sea region, referred to in Moscow as the "Baltic–Scandinavian macro-region", through academic channels.

The concept of the Baltic–Scandinavian macro-region (BSM), also known as the "Greater Baltic", gained traction in the Kremlin's corridors of power after Russia launched its full-scale war against Ukraine. One trigger was a shift in Russia's perception of threats, particularly following Finland and Sweden's NATO membership, which significantly altered the security environment in the Baltic Sea. Additionally, Russia's strategic position in the region has weakened, as the country lost access to key regional cooperation formats, such as the Council of the Baltic Sea States and the Nordic Council of Ministers.

These new circumstances prompted the Kremlin to establish a new framework for the Baltic Sea region. This framework is designed to help assess the challenges in the area and give opportunities for Moscow's senior leadership to exert influence. The advancement of the BSM concept has been spearheaded by the Presidential Administration's Directorate for Cross-Border Cooperation, which has planned and coordinated Kremlin policy towards the Baltic states and Belarus since 2021. In 2023, the BSM concept expanded to include Finland, Sweden, Denmark, Norway, Germany and Poland.

NEW CONCEPT, OLD METHODS

In line with Kremlin practices, the Directorate for Cross-Border Cooperation also employs individuals with backgrounds in the intelligence services, enabling intelligence-style methods to pursue its objectives. This includes a broad network of front organisations, some of which appear to be independent Russian academic and research institutions.

In 2022, the Directorate instructed Russian research institutions to create research units focused on the Baltic–Scandinavian macro-region. Their main task is to provide the administration with essential analyses. Additionally, Russian researchers were instructed to leverage their connections with scholars in the Baltic Sea region to re-establish links with regional policymakers.

The influence of the Presidential Administration extends deeply into this network of BSM research units. It not only approves the research topics of BSM laboratories but also determines the roster of researchers involved in these projects. The analyses produced by BSM researchers, along with reports on their contacts with scientific communities in the Baltic Sea states, go primarily to supervisors in the Presidential Administration and to the security services.

This demonstrates that the research conducted under the BSM umbrella, and the surrounding academic engagement, do not represent genuine academic freedom. They are merely a facade behind which the Russian state apparatus pursues its political ambitions.

According to information available to us, the following Russian research institutions are involved in the BSM research project:

Primakov Institute of World Economy and International Relations of the Russian Academy of Sciences	IMEMO ИМЭМО РАН
Moscow State Institute of International Relations	MGIMO МГИМО
Institute of Europe of the Russian Academy of Sciences	Институт Европы РАН
Russian State University for the Humanities	РГГУ
State Academic University for the Humanities	ГАУГН
Saint Petersburg State University	СПбГУ
Immanuel Kant Baltic Federal University	БФУ им. И. Канта
Pskov State University	ПсковГУ

THE BALTIC PLATFORM

One of the products of the BSM concept is the international discussion format known as the Baltic Platform, through which the Kremlin aims to revive connections with scholars, politicians and local authorities in the Baltic states and the Nordic countries, presenting it as an effort in academic cooperation. The initiative follows a particular logic: dialogue begins with non-political topics, such as environmental problems in the Baltic Sea, but gradually shifts to more political matters, including the security architecture of the Baltic Sea and Europe, sanctions policy against Russia, and related issues.

The Kremlin's efforts with the Baltic Platform, however, have largely failed. After more than two years, it has been unable to foster active exchanges between Russian scholars and their counterparts in the Baltic Sea region. As a result, the Russian researchers on the Baltic Platform – effectively treated as pariahs – primarily cross-pollinate among themselves. To create a facade of international participation, the organisers have included scholars from Belarus – a Russian vassal state – along with "experts" from China, India and other countries. By adding this international dimension to the supposed academic cooperation, Russia seeks to conceal its lack of new experts with in-depth knowledge of the region's states, languages, societies and cultures.

'SCIENTIFIC COOPERATION' AS A TOOL FOR THE RUSSIAN SECURITY SERVICES

It is important to recognise that all of Russia's international scientific cooperation initiatives are part of the Kremlin's influence apparatus, which is intertwined with the security services. They bear no resemblance to normal academic research or academic freedom.

Western experts invited to BSM conferences or video meetings should assume that Russian researchers will primarily use any information they obtain for hostile purposes.

The same is true of proposed scientific cooperation initiatives within the Baltic–Scandinavian macro-region: they do not represent a genuine Russian interest in the ecological well-being of the Baltic Sea. Instead, the Kremlin utilises this framework to reassert its political influence in the area. To achieve this, researchers loyal to the Kremlin may deliberately instil fear in the Baltic Sea community by presenting scenarios of environmental disaster. Their goal is to convince the region's states that, to prevent the worst outcomes, they must inevitably engage and cooperate with Russia.

Western experts invited to BSM conferences or video meetings should assume that Russian researchers will primarily use any information they obtain for hostile purposes, particularly to identify the vulnerabilities of the Baltic Sea states and their allies. As a result, participation in these events, whether intentional or not, may contribute to analyses provided to Kremlin officials, which often include policy recommendations that could harm the interests of the Baltic Sea region, as well as NATO and EU member states along the Baltic coast. For instance, researchers from the BSM network have advised Russia to:

- interfere in the domestic politics of the Baltic and Scandinavian states;
- undermine their foreign, security, economic and energy policies;

- accuse these states of violating the human rights of Russian-speaking and indigenous communities;
- accuse these states of persecuting the Russian Orthodox Church and falsifying history.

The most effective way to counter these influence operations is to avoid all collaboration with universities, research institutions and expert networks from Russia and Belarus altogether. Ironically, Russia has unintentionally created its own antidote to its influence efforts: by waging war against Ukraine, it has isolated itself and lost most of its connections to the West. As a result, the metaphorical "BSM research vessel", now stranded in the backwater of what has become a NATO-dominated Baltic Sea, is already beginning to rust and take on water.

Back to the past? Researchers of the Baltic–Scandinavian macroregion portray one of the world's most peaceful regions as an arena of escalating confrontation between Russia and the West.

Source: Olaus Magnus. Carta marina et descriptio septentrionalium terrarum (1539).

‘WAR AND PEACE’ – THE NOBEL PEACE PRIZE, RUSSIAN-STYLE

The Kremlin hopes to polish its international reputation through covert influence efforts.

Russia recognises the limits of relying on its influence agents in the West and has shifted the focus of its efforts towards third countries.

Marginalised from most Western political and cultural circles, Russia has responded by creating its own international peace prize on its own terms.

Excluded from the top tier of international politics, Russia has spent recent years pursuing various reputation-management initiatives to reshape its image as an aggressor state.

One such initiative emerged in December 2021, when the chairman of the Russian Historical Society and director of the Foreign Intelligence Service (SVR), Sergey Naryshkin, together with Vladimir Medinsky, a presidential adviser and chair of the Russian Military-Historical Society, decided to create an alternative to the Nobel Peace Prize. Together with Leonid Slutsky, chair of the State Duma International Affairs Committee, they established a foundation to award what amounts to a parallel-world peace prize – the L. N. Tolstoy International Peace Prize.

Named after an icon of Russian literature and a committed pacifist, the peace prize was designed to recognise individuals, organisations or initiatives for achievements that contribute to “security based on the rule of international law” and to building a “multipolar and non-violent world”.

The foundation appointed as its director Doku Gapurovich Zavgayev, a former Russian ambassador to Slovenia. Among his earlier exploits was organising, in 2019 and under the guidance of the Russian Historical Society and Naryshkin, a ceremony to light an Eternal Flame in Ljubljana – in what the Kremlin triumphantly proclaimed at the time as “the heart of NATO”.

‘POSITIVE ENGAGEMENT’

The first Leo Tolstoy Peace Prize was awarded to the African Union. At a gala ceremony held on 9 September 2024 at Moscow’s Bolshoi Theatre, the prize was presented by the jury chair, conductor and director of the Bolshoi Theatre, Valery Gergiev. Moussa

Signing of the founding protocol of the Leo Tolstoy International Peace Prize Foundation at the Victory Museum in Moscow on 22 June 2022 (from left in the front row: Konstantin Mogilevsky, Leonid Slutsky, Viktor Martynyuk; from left in the back row: Sergey Naryshkin, Vladimir Medinsky).

Source: peacefound.ru

Faki Mahamat, chair of the African Union Commission, accepted the diploma and gold medal bearing Tolstoy's portrait. The monetary award amounted to 30 million roubles, or just over 300,000 euros.

Awarding the prize to the African Union was primarily motivated by straightforward foreign policy calculus. The Kremlin recognised the need to shore up its position in Africa, where Russian commercial interests were experiencing setbacks. African states account for roughly a quarter of the votes in the UN General Assembly. To "positively engage" these nations, the organisers of the award ceremony sought financial backing from Russian companies with business interests on the continent, such as Uralchem, Uralkali and Acron.

CAUTION TOWARDS THE WEST

In 2025, the prize was awarded to the presidents of the Central Asian states of Kyrgyzstan, Uzbekistan and Tajikistan. This immediately created a dilemma regarding the location and manner of the award presentation should all three presidents have been prepared to accept it. The original plan had been to hold the award ceremony in Dushanbe, but the leaders of Kyrgyzstan and Uzbekistan might have seen this as assigning greater weight to Tajikistan. As a compromise, the ceremony took place at the informal summit of leaders of the Commonwealth of Independent States in December.

The Central Asian nominees were not the only contenders last year. Three Members of the European Parliament – Michael von der Schulenburg, Ondřej Dostál and Ľuboš Blaha, who also attended Moscow's 9 May celebrations – nominated the well-known economist Jeffrey Sachs. The jury's vice-chair, Pierre de Gaulle (Charles de Gaulle's grandson), acknowledged Sachs's contribution to "promoting a multilateral world order" but regarded the border agreement reached between the Central Asian states as the more deserving achievement.

From the outset, the Kremlin was wary of awarding the prize to Western candidates. When the 2024 prize was being prepared, it became clear that finding a suitable Western nominee would be rather challenging. Several names proposed by members of the foundation's leadership – such as Roger Waters, a founding member of the rock group Pink Floyd, film director Oliver Stone, or former German chancellor Gerhard Schröder – were deemed respectable but potentially counterproductive by the Russian Ministry of Foreign Affairs. In Waters's case, officials were uncertain whether he would agree to accept the award or travel to Moscow. As for Stone and Schröder, the ministry noted the "Russophobic predisposition" of their home countries and concluded that awarding them the prize would not resonate positively there from Moscow's perspective.

SUPPORT FROM DMITRIEV

The ostensibly noble peace prize is nothing more than another active measure by the Kremlin, orchestrated with the involvement of the special services.

To secure a sponsor commensurate with the initiative, the founders of the Tolstoy Peace Prize approached Kirill Dmitriev, who heads the Russian Direct Investment Fund, asking him to support the 2025 ceremony and the foundation's activities with 15 million roubles. In the view of the foundation's organisers, the prize would help reinforce Russia's position on the world stage and foster business and economic ties between domestic and foreign companies. Dmitriev himself had been conspicuous the previous year for his involvement in the Ukraine ceasefire talks, and efforts to restore business ties with the West are hardly unfamiliar to him.

As becomes clear on closer inspection, this ostensibly noble peace prize is nothing more than another active measure by the Kremlin. It has been orchestrated with the involvement of Russian special services, aiming to manipulate well-meaning foreigners to advance Russia's foreign-policy objectives.

The Kremlin is acutely aware of the utility of its "protégés" and deploys them deliberately to serve its objectives. Anyone approached to take part in a Russian "positive engagement" initiative should therefore treat such invitations with caution and consider how their participation might be instrumentalised.

RUSSIA USES DECEPTION TO RECRUIT AFRICAN STUDENTS TO FIGHT IN UKRAINE

Russia is strengthening its ties with African states in the hope of finding support for its anti-Western narratives and securing resources without triggering sanctions.

Expanded cooperation also creates new placements for Russian officials who can no longer be deployed on Western-facing assignments.

Under the guise of educational cooperation, the Russian Ministry of Defence recruits students from African countries to fight in Ukraine.

Russia's foreign-policy push in Africa has not abated; preparations are already underway for a Russia–Africa Summit in 2026, which will mark the third time Moscow has convened such a gathering.

The Kremlin has diversified its activities on the continent. Alongside traditional military cooperation, increasing emphasis is placed on so-called soft domains; here, we focus in particular on education and culture. Russian state agencies have signed memoranda of understanding with several African states (including Chad, Eritrea, Djibouti and Guinea), launched numerous programmes to promote Russian universities, increased the number of foreign students and even begun exporting Russian higher-education programmes.

Africa's increased importance for Russia will persist in the near term. Russia will continue its efforts to deepen cooperation with African states.

Broadening cooperation with African countries not only serves Russia's soft-power ambitions but also helps solve a domestic problem: where to place public servants, such as diplomats, intelligence officers, cultural workers and influence operatives, who can no longer be deployed in the West. Russia's federal agency Rossotrudnichestvo, a key player in the state's influence operations, has become increasingly active in Africa, opening offices in countries such as Guinea and Burkina Faso, among others. Additionally, the Russkiy Mir Foundation, which promotes the Russian language abroad, has expanded by opening new centres in Burundi and Uganda.

Across all these formats, Russia seeks to persuade Africans of its own narratives and spread anti-Western talking points: that Western influence and cooperation in Africa are neo-colonial, unjust and patronising; and that Russia, by contrast, is a champion of a genuinely multipolar world order and a defender of sovereignty, offering cooperation on the basis of equal partnership.

At an anti-French protest in Mali's capital, Bamako, the flags of Mali and Russia were flown side by side.

Source: Michele Cattani (AFP)

Deepening cooperation shows that Russia views its engagement with Africa as a long-term strategic endeavour. Educational and cultural propaganda are effective tools for shaping the attitudes of the next generation in a more pro-Russian direction. Although this effort faces numerous obstacles – language barriers, limited familiarity with Russian culture among Africans, mismatched education systems and scarce resources – Russia may still succeed in shifting public opinion in some African states in its favour.

AFRICANS IN UKRAINE

African students show substantial interest in Russian higher education. In 2025, according to Russian authorities, at least 35,000 students from African countries were enrolled at Russian universities. However, previously cordial relations have been overshadowed by formal protest notes and démarches from several African embassies, urging the Russian Ministry of Foreign Affairs to guarantee the rights of their citizens in Russia.

The reason lies in the Russian Ministry of Defence's practice of sending African students to the front in Ukraine to die. For example, students studying in Belgorod were lured to Russian-occupied Ukrainian territory under the pretext of a "job opportunity". After signing what they believed was an employment contract, they were sent to military training and then straight to the front line. Despite an embassy's protest demanding

A moment from the funeral of a Zambian student whose life ended fighting in the ranks of Russia's armed forces in Ukraine.

Source: Salim Dawood (AFP)

the students' return to Russia, none survived. Only their remains were handed over for repatriation.

According to African diplomats, some cases have involved the remains of citizens sent to fight in Ukraine being destroyed rather than returned. Some families have received no compensation, and embassies have not been informed of the deaths. Hundreds of citizens from Zambia, Tanzania, Guinea, Cameroon, Eritrea, Nigeria and other states have been dispatched to the war in Ukraine.

Russia's armed forces deploy foreign nationals to frontline units that suffer exceptionally high losses, using them to shield better-trained formations.

African embassies in Moscow have repeatedly stressed the need to raise threat awareness among students arriving in Russia. They primarily advise them to focus on their studies rather than chasing short-term income.

The problem, however, is that scholarships awarded to students from African states are insufficient, forcing them to seek employment to cover living costs. Russian authorities exploit this vulnerability by detaining African nationals working in Russia and refusing to extend their residence permits. These students are offered a choice between deportation and military service. Hundreds of African citizens who refused to take part in the war have subsequently been expelled from the country.

Due to the urgent need to deploy manpower to the front in Ukraine, Russian authorities have also resorted to other methods to increase the army's numbers. For example, officials have conducted raids in places such as gyms and markets to find "men with foreign appearances" who already hold Russian citizenship and enlist them for combat in Ukraine. Foreign students have also been caught up in these raids.

CHAPTER 3

RUSSIAN DOMESTIC POLITICS

33

WAR IS EXHAUSTING RUSSIA

Both ordinary citizens and senior officials in Russia are feeling the negative impact of the war.

Russia is facing increasingly severe economic challenges and is neglecting almost all non-military sectors as the war in Ukraine drags on. The risk of economic and social instability is set to rise in 2026.

Last year, the average Russian became even more acutely aware of the profound impact the war has on daily life.

At the most basic level, this was clearly illustrated by the fuel crisis triggered by Ukrainian drone strikes. At the political level, officials began speaking openly about the need to cut other areas of public spending to cover the costs of the war, while the 2026 budget introduced numerous tax increases explicitly justified by military expenditures.

The extent of the strain is also evident in the 2025 budget deficit, which is significantly larger than initially planned. This contrasts sharply with Putin's early wartime assurances that the war against Ukraine would not be financed at the expense of other sectors. As anticipated, reality has turned out to be quite different.

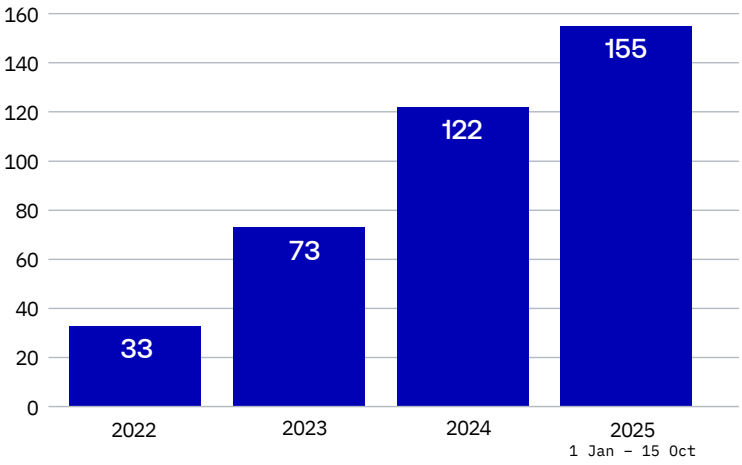
The negative impacts of the war are also clearly felt by Russia's senior officials. The competition for shrinking resources, coupled with the need to find scapegoats for visible failures, has led to an unusually high number of corruption cases involving high-profile officials in 2025. Furthermore, divisions within the ruling elite over economic policy have also sharpened, resulting in disagreements spilling into the public domain over the state of the economy and the central bank's monetary policy. A striking example came at the Eastern Economic Forum, where Sberbank CEO German Gref stated that Russia had entered a state of "technical stagnation". This assertion was soon refuted by President Vladimir Putin, who denied the existence of any such stagnation.

The scale and significance of the war's domestic consequences were further underscored in 2025 when the central government decided to sharply curtail public access to statistical data. More detailed statistics on birth and death rates disappeared from public view, as did data on deaths resulting from crime and a range of economic indicators.

At the same time, halting the war in Ukraine would pose significant political risks for the Russian regime. An end to the fighting would deprive the authorities of a universal justification for their domestic problems. While the war continues, it is far easier to enforce strict repression and justify both the restriction of democratic freedoms and the country's socio-economic decline.

However, prolonging the war entails increasingly severe economic costs and the ongoing neglect of non-military sectors, creating fertile ground for domestic discontent. The regime has now reached a point where both ending the war and continuing it pose substantial internal political risks.

Arrests of senior officials are on the rise



Source: *Новая газета Европа*

REPRESSIVE PRESSURE INTENSIFIES

In 2026, Russia is likely to impose even harsher measures to restrict access to independent information in online media.

The Kremlin is systematically intensifying its ideological influence and indoctrination efforts aimed at young people.

In the face of ongoing suppression of freedom of opinion and expression, the Kremlin continues to stage farcical elections. During the 2026 State Duma elections, it is likely to employ even greater pressure and control tactics than in the past.

Repressive measures that intensified with the outbreak of the full-scale war in Ukraine continued to strengthen in 2025.

Last year, the regime expanded legislation enabling the persecution of dissent, including additional restrictions on individuals designated as "foreign agents". A significant change was the enactment of a law prohibiting online searches for extremist content. Russian legislation and courts classify a wide range of opposition views and movements as extremist, making the scope of this provision particularly broad. Notably, the amendment was viewed by many regime-loyal Russians as excessive, and these disagreements became public.

A new development in information control was introduced in 2025 with the regime's rollout of a state-backed messaging application called Max. This platform offers a wide range of features, including access to public services and communication with government agencies. However, cybersecurity specialists have warned that Max collects data from almost every application on a user's phone. They also warn that this access could give Russia's security services significantly greater insight into users' activities.

The introduction of a state-controlled communications platform is almost certainly intended to tighten official control over the information space and enhance the ability of law enforcement and security agencies to collect and analyse the communications data of Russian citizens. Once Max is more widely adopted, the regime is likely to move even more aggressively to restrict the use of alternative messaging applications.

Taken together, developments over the past year point clearly to the Kremlin's view that suppressing freedom of expression and opinion, and deepening a pervasive climate of fear, are indispensable to maintaining domestic political control.

A DISSENTER

On the third anniversary of Russia's full-scale war of aggression, at five o'clock in the morning on 24 February 2025, a man born in 1988 wrote "No to war" in the snow near a monument to a Russian soldier in Kaliningrad and set himself on fire in protest. To protect his relatives, we are not disclosing his name.

What happened in Kaliningrad, alongside the numerous criminal cases brought against dissidents and the repressive measures being applied, clearly demonstrates that not all Russians support the current regime. However, active opponents of the regime do not constitute a majority. For most of society, political apathy, conformity and a desire to avoid confrontation with the authorities remain the dominant attitudes.

THE REGIME INTENSIFIES YOUTH INDOCTRINATION

The Russian regime has systematically expanded ideological influence and indoctrination aimed at young people during wartime. Last year, these practices extended even to very young children. Patriotic education lessons titled "Conversations About Important Things", which had targeted school pupils since autumn 2022, were expanded in autumn 2025 under a pilot programme to 100 kindergartens across 22 regions. Schools and universities have introduced dedicated teaching posts responsible for propaganda and ideological education. In the 2025/26 school year, the number of civic education lessons in lower secondary schools was reduced, while history classes were expanded.

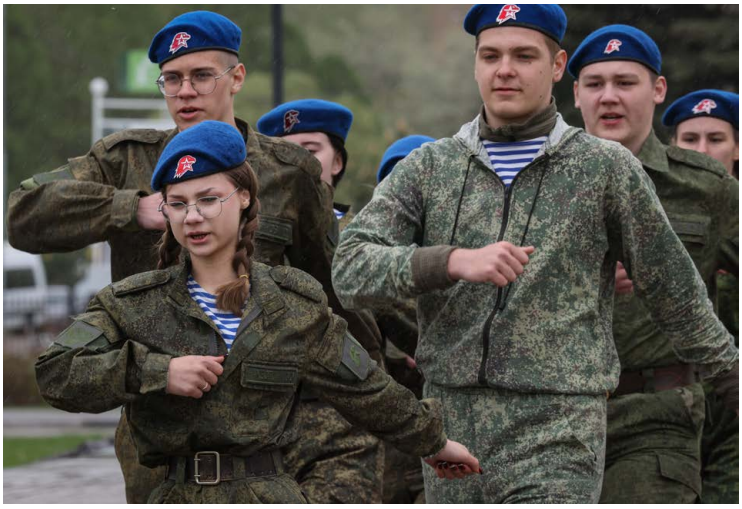
Ideological indoctrination within educational institutions is increasingly framed as military preparation. These initiatives are designed to instil in young people the belief that the war in Ukraine is justified. Pupils meet veterans of the war as part of school programmes, participate in themed competitions, organise humanitarian aid for the front, and write letters of support to soldiers. Hundreds of thousands of children and young people are also involved in the Yunarmiya youth movement and the military-patriotic game Zarnitsa ("Lightning"). Additionally, the number of cadet classes in general education schools has increased.

Russia is working to create a "sovereign and unified" education space and, as part of this effort, severed its remaining links with Western education systems last year. The Russian Prosecutor General's Office declared the activities of both the International Baccalaureate and the British Council undesirable. Russia is also gradually withdrawing from the Bologna higher education system, a move that restricts students' opportunities to study abroad.

YOUNG PEOPLE UNDER REPRESSION

As cultural ties with the West continue to diminish, the worldviews of young people are increasingly shaped by restrictions and blocks on Western social media and video platforms in Russia. Limiting access alone is insufficient for the authorities; state and regional monitoring centres also track young people's social media activity.

Young people who express opposing views face repression. Sentiment related to protests in higher education institutions is monitored using dedicated methodologies, and plans are underway to establish an information system to assess students' adherence to so-called traditional values. Indoctrination, surveillance and, where deemed necessary, repression are applied equally to foreign students studying in Russia.



Members of Yunarmiya marching in a military-patriotic game held to mark Victory Day.

Source: Sergei Ilnitsky (EPA)

This ongoing ideological pressure is likely to leave a lasting mark. Over time, such prolonged conditioning will probably make future generations in Russia more hostile towards democratic values and the West.

THE KREMLIN ORCHESTRATES ELECTIONS

Despite the systematic suppression of democracy, Russian authorities persist in staging elections to claim legitimacy and project an image of strong popular support.

These elections are meticulously orchestrated. Authorities determine in advance minimum turnout targets and the candidates who will be declared elected. To achieve their desired outcomes, they employ administrative pressure, exclude potentially threatening competitors, and falsify results when necessary.

In autumn 2026, State Duma elections will coincide with local elections. As the deteriorating economic situation complicates campaign management, the Kremlin is likely to rely even more heavily on administrative control, pressure and coercive measures to secure the desired results.

In addition to presidential and State Duma elections held every few years, regional elections take place each autumn on a so-called “single voting day”, covering legislative and executive offices at various levels. Gubernatorial elections tend to attract the most attention, but genuine competition is absent. Elections merely formalise the continuation of a governor approved by Putin or the installation of a Kremlin-appointed acting governor in the post. One common reason for replacing a governor is declining public trust in the authorities. While substituting a local official may temporarily ease local discontent, it does not fundamentally alter the nature of governance.

Source: *Новости Горного*

In March 2025, the State Duma passed legislation to reform the system of local government. The reform aims to replace the current two-tier municipal system with a single-tier system. Although the reform was initially intended for nationwide implementation, some regions resisted and gained the option to opt out. In several regions, including the Altai Republic and Krasnoyarsk Krai, residents have opposed the reform and organised protests.

The Kremlin is highly likely using this reform to reinforce its “vertical of power” and tighten control over local elites. Eliminating municipal governments at the lowest level significantly reduces the number of elections, allowing the regime to concentrate resources and attention more efficiently. Over the longer term, however, dismantling grassroots local government is likely to weaken the ties between central and regional authorities and local communities, which could undermine the regime’s stability.

RUSSIA'S ECONOMY FACES ONLY BAD OPTIONS

Russia's economy has entered a downturn.

The defence sector is expanding at the expense of a contracting civilian economy.

A complete collapse of the Russian economy remains highly unlikely.

The year 2025 is likely to be remembered in Russian economic history as a pivotal moment. Expectations for a sustainable war economy have shifted to debates about the inevitability, pace and severity of an economic downturn.

This shift towards deterioration occurred steadily, without major shocks, yet with striking consistency. By autumn, for example, Russian manufacturing firms perceived the business climate as markedly worse than it was at the height of the initial wartime turmoil in spring 2022.

This is not merely a matter of sentiment; clear indicators, including a sharp slowdown in fixed-capital investment in the first half of 2025, support this. Low productivity caused by outdated technology is one of the Russian economy's structural weaknesses. Sanctions-related restrictions have exacerbated this problem. Declining investment means that neither technological upgrading nor the associated productivity gains can be expected, either in the short or the long term.

Sanctions have had a clear and substantial impact on Russia's economy. Measures targeting the financial sector have been particularly effective, cutting Russia off from international capital markets. Consequently, the government is forced to finance its budget deficit domestically, incurring borrowing costs that are much higher than Russia's relatively low public debt level would otherwise imply.

Low energy prices and a strong rouble have dampened Russia's foreign trade to such an extent that it no longer contributes meaningfully to economic growth. The current-account surplus, which reached 77 billion US dollars in the second quarter of 2022 and helped absorb the initial shock of sanctions, fell to just 17 billion dollars in the same period of 2025, a nearly fivefold decline.

Nearly all sectors of Russia's domestic civilian economy have either already entered recession or are struggling at the brink of one. In this situation, the only source of demand growth comes from military spending financed by an already overstretched state budget. Even that demand, however, is far from sufficient to sustain the economy as a whole. Rapid growth is confined primarily to ammunition, precision-weapons production and sectors associated with electronic warfare and drones. The rest of the defence industry is following the civilian sector with a lag of one to two years, suggesting that production volumes in the military-industrial complex are also likely to stagnate in 2026.

In 2026, Russia's GDP is likely to contract, increasing the risk of economic and social instability. Both inflationary and deflationary recession scenarios are possible, with the decision largely resting on the Russian government. A positive scenario is no longer achievable: even with a swift end to the war and the removal of sanctions, Russia will still face serious economic difficulties.

While an economic crisis is a possibility, a total collapse of the Russian economy remains highly unlikely. A more plausible outcome is that financial considerations will carry much greater weight in political decision-making than before.

THE FEDERAL BUDGET AS A RITUAL OF NECESSITY

For several years, Russia's federal budget has been drafted and presented, despite its having little relation to reality.

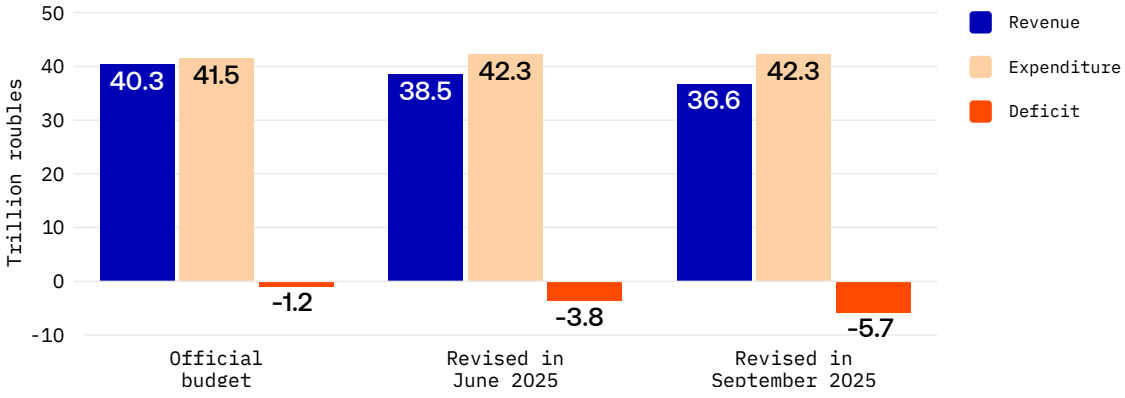
During 2025 alone, the budget was amended twice, with revisions so extensive that the original core parameters were changed beyond recognition. By September, the deficit had grown almost fivefold compared with the initial projection. This drastic increase was driven by wartime spending that had spiralled out of control and revenues that fell nearly 10% short of expectations.

There is little reason to assume that officials at Russia's Ministry of Finance are incompetent. Far more likely, the budget's core framework is shaped by a political brief that, during wartime, does not permit the inclusion of unpopular figures in a widely circulated official document.

Reality enters the budget only gradually, through successive "amendments" that receive far less media attention than the original version. Meanwhile, State Duma deputies, officials and analysts continue to discuss the budget's official "priorities" and "focus areas" with straight faces, exactly as the ritual requires.

Leaving aside oil and gas revenues, the core parameters of the draft budget for 2026 are likewise closer to the absurd than to the realistic. They, too, will highly likely be substantially revised over the course of the year.

Key parameters of the 2025 federal budget



PUTIN IN RESTRUCTURING MODE

In early September, President Vladimir Putin visited the ODK–Kuznetsov aircraft- and rocket-engine plant in Samara. The plant belongs to the United Engine Corporation (ODK), which in turn is part of Rostec, Russia's largest defence-industrial conglomerate. During his visit, Putin commended the achievements of the domestic industry, noting that Russia ranks among the world's five leading producers of aircraft engines. He also highlighted increases in output achieved over the past four years. According to Putin, the sector's "positive momentum" is fostering the conditions needed to secure Russia's industrial and technological sovereignty.

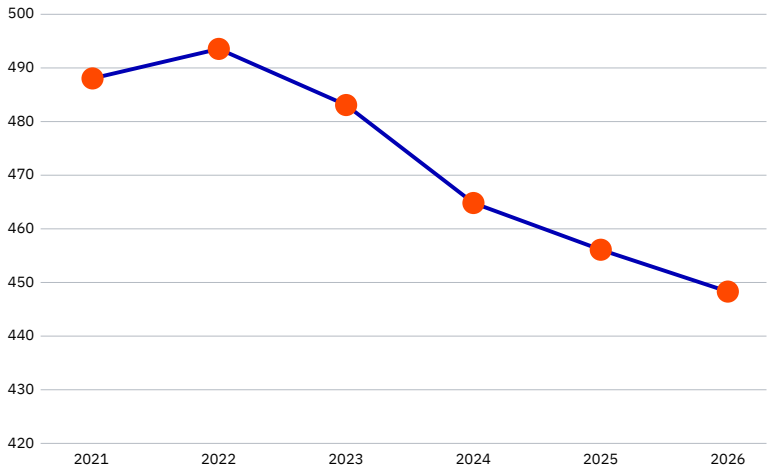
At the same time, the very same plant is subject to a "financial recovery programme" within the ODK group, which essentially means it is being restructured. Nearly half of ODK's subsidiaries are in a similar position. The budget guidelines for 2026 explicitly prohibit any investment or expenditure that is not strictly necessary to fulfil existing state defence contracts.

The deteriorating financial health of Russia's defence industry is further reflected in extensive chains of arrears, with companies owing large sums to suppliers while waiting for payments from their own customers. Long-term contracts that were signed in earlier years are now loss-making due to sharp price increases. Additionally, interest rates on working-capital loans available on market terms are exceeding 20% per year.

OIL PRODUCTION FALLS AMID A LACK OF INVESTMENT

Since the onset of the full-scale war in Ukraine, Russia's crude oil production has experienced a year-on-year decline. Moscow could previously attribute this to production caps imposed under the OPEC+ framework from 2022 to 2024, but that justification is no longer valid. In 2025, despite the lifting of those limits, there was no expected rebound in crude output; however, gas condensate production continued to rise.

Russia's crude oil production, 2021-2025, with a forecast for 2026 (million tonnes)

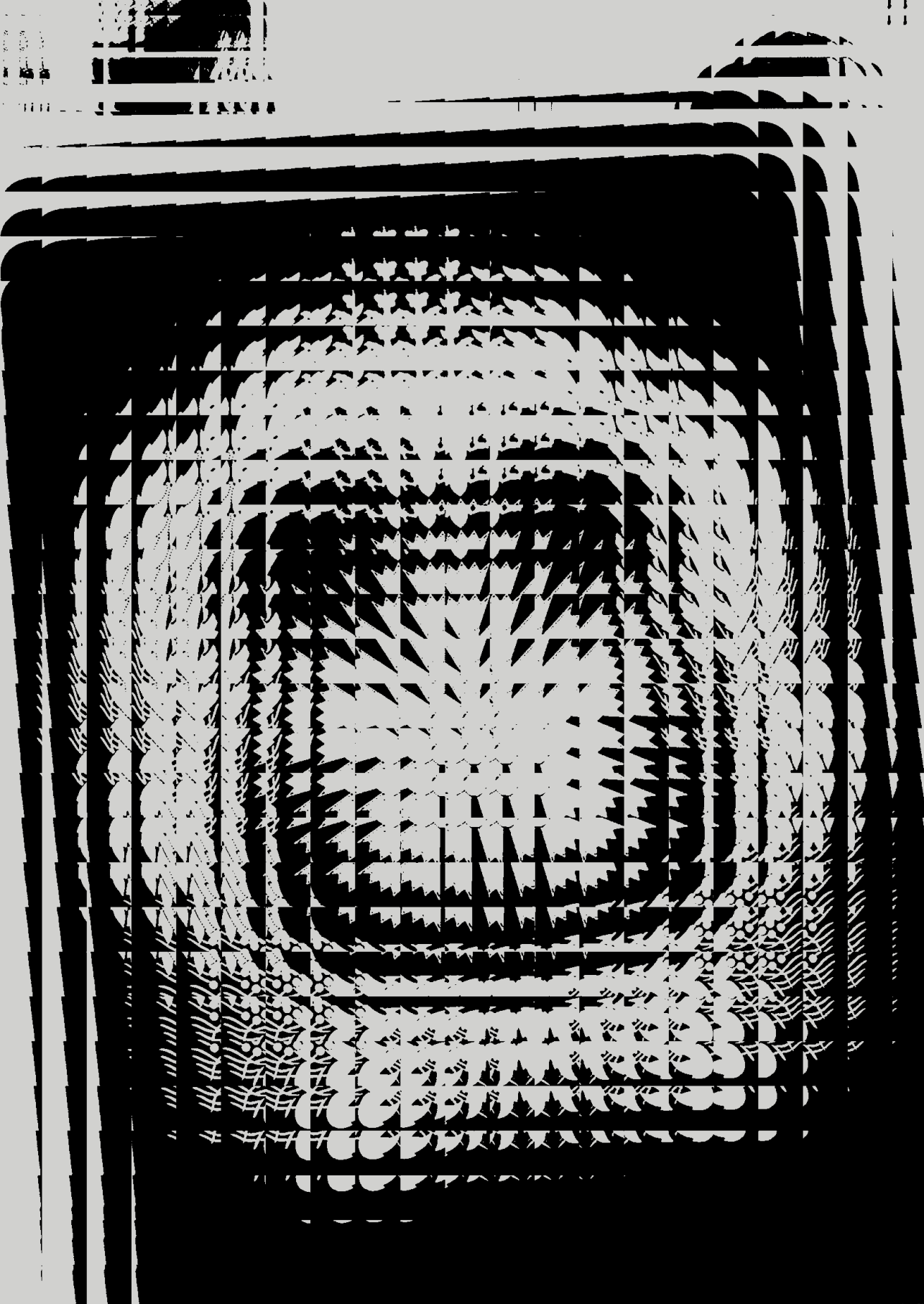


The primary driver of the decline in oil production is the deterioration of the resource base. In mature fields, wells are increasingly flooded with groundwater, and easily accessible reserves in Western Siberia are being depleted. Additionally, investment aimed at maintaining production levels has decreased and become less profitable.

A second – and no less important – factor is the sanctions that restrict access to Western technology. Without imported equipment and expertise, Russia is unable to tap hard-to-reach reserves or improve efficiency at existing fields. As a result, these technology sanctions increase the likelihood of stagnation in the oil sector.

Lower oil prices, a stronger rouble and a higher tax burden further constrain investment in crude oil production. While profits accounted for around 15% of sales revenue for Russian oil companies between 2022 and 2024, this figure decreased by roughly half in 2025.

As a consequence of declining investment, an increase in crude oil production is unlikely in the coming years. As in previous years, overall output is being sustained by higher gas condensate production. Given these circumstances, Russian oil companies are unlikely to earn higher profits in 2026 than last year; in fact, profits are likely to decline further.



CHAPTER 4

RUSSIAN SPECIAL SERVICES

45

GRU INVOLVEMENT IN IMPORTING DUAL-USE GOODS

Russia's military-industrial complex, strained by sanctions, continues to function thanks to Kremlin intermediaries who keep dual-use goods flowing into the country.

Russia's military intelligence service plays an active role both in identifying procurement needs and in acquiring sanctioned goods from abroad.

Moscow's efforts to circumvent sanctions require closer cooperation among Western security and law-enforcement authorities and the modernisation of Western legal frameworks.

Since March 2022, when it became evident that Russia's plan to seize Ukraine within a few days had failed, the country's military-industrial complex has faced significant pressure. It is responsible for supplying the armed forces with sufficient materiel to maintain an advantage on the battlefield.

Russia's military industry is facing significant challenges due to a lack of essential inputs, including raw materials, microelectronics and medical equipment. Even basic components are typically imported because domestic production fails to meet military-industry standards. To acquire the critical goods needed from abroad, Russia has mobilised all government bodies that engage with the outside world, including its intelligence services.

SANCTIONS AND EVASION EFFORTS

The sanctions imposed to slow Russia's war machine have created numerous problems for Moscow. The most painful restrictions have affected the semiconductor, mechanical engineering and aviation component sectors.

Putin's regime is actively adapting to sanctions, continually devising new methods to circumvent them. To conceal the end-user, additional intermediaries are introduced into the procurement chain, and goods are repackaged to hide their origin. Shipments are routed through countries in the Far East, the Middle East, Central Asia and Africa, while organised crime networks are also exploited. Russia increasingly relies on friendly states, such as China, Iran and even India, utilising them as producers and intermediaries.

Autonomous production that is not reliant on foreign components will not be achievable in Russia's military industry for the foreseeable future. Therefore, we can expect even greater efforts to circumvent sanctions.

THE GRU'S ROLE IN RUSSIA'S PROCUREMENT SYSTEM

The main task of the GRU is to obtain the military, political, economic, defence, and scientific and technical intelligence that the leadership of Russia requires for decision-making. In addition to collecting intelligence, Russia's military intelligence service also conducts influence operations. One of its objectives is to support the country's economic development, scientific and technological progress, and military-technical capabilities. Consequently, the GRU plays a significant role in facilitating the flow of sanctioned goods into Russia.

The GRU is not the only organisation involved in evading sanctions, but its advantages in this field are clear. Intelligence officers receive training that equips them with a thorough understanding of Western technology, proficiency in foreign languages, and the ability to approach targets while concealing their true intentions. Many GRU officers who focus on procurement have spent extended periods posted in target countries as diplomats or trade representatives. However, sanctions evasion is far from the glamorous work associated with Cold War espionage. While GRU officers once focused on obtaining samples of adversaries' technological breakthroughs and bringing them home, today, roughly a hundred military intelligence officers spend their working days handling product codes, price quotes and logistics chains.

Since the 1990s, GRU officers have established import–export companies in Russia to source goods from abroad. Although the trade officers of these GRU front companies still travelled relatively freely within the Schengen area after the annexation of Crimea, such travel has declined sharply since the full-scale invasion of Ukraine.

To compensate for the loss of direct access to producers, Russia has pursued several strategies. These include forming new joint ventures with local businessmen abroad, leveraging existing networks and international trade fairs to make new contacts, and cultivating relationships with foreign partners and managers of Russian logistics firms to involve them in schemes aimed at evading sanctions.

In many cases, the true nature of the procured goods is concealed, with intermediaries in the process often unaware that they are facilitating the supply of sanctioned items. Currently, GRU officers travel only to third countries, such as Türkiye, the United Arab Emirates, China, Thailand, Malaysia and the Balkan states, to meet with partners. When necessary, they also rely on intelligence officers stationed in local embassies, also known as the rezidentura, for support.

GRU chief Igor Kostyukov during a defence-cooperation visit to India, July 2024. Also pictured are senior GRU officers Aleksandr Nazarenko and Aleksandr Zorin.

Source: Indian Armed Forces

Because the GRU is directly involved in identifying Russia's military-industry procurement needs and available suppliers, procurement officers sometimes inflate prices for personal gain – for example, to fund a comfortable stay in a desirable destination such as Hong Kong.

NEPTUN KO LTD

Aleksandr Matrosov.

Founded in Moscow in 1996, Neptun Ko Ltd (ООО Нептун Ко Лтд) initially described itself on its website a few years ago as an import–export company operating in Russia, the Commonwealth of Independent States, the European Union, and Southeast Asia. The products offered included mechanical-engineering components, diagnostic instruments, and electronics and IT equipment. Its clients reportedly included Russian security authorities, research institutions and major industrial enterprises, such as Rosatom, Rosneft and Lukoil, as well as banks.

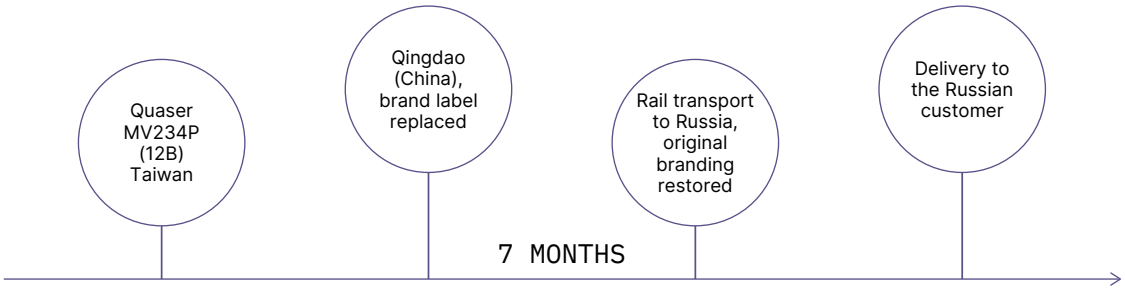
However, today all references to Russia have disappeared from the website. It now claims to be the Egyptian company N.E.S.T. (Neptune for Engineering Services & Technology), stating its mission is to connect "some of the world's leading contractors, suppliers and traders". Despite this rebranding, Russian registries, invoices, and correspondence confirm that Neptun Ko remains registered in Russia. Since 2008, Aleksandr Matrosov has served as its director general, and has been identified as a GRU officer. Matrosov is only one of at least ten GRU officers we have identified among Neptun Ko's current or former senior personnel (*see the list in the textbox*).

IDENTIFIED GRU OFFICERS

Koshkin Ruslan Petrovich, born 7 August 1951
Votchenko Aleksandr Filippovich, born 12 April 1955
Sazhin Nikolay Nikolayevich, born 1 January 1957
Mazurik Sergey Nikolayevich, born 2 September 1960
Matrosov Aleksandr Vasilyevich, born 15 September 1960
Gaivoronskiy Roman Viktorovich, born 19 September 1979
Zubkov Dmitriy Yegorovich, born 29 May 1979
Popov Stanislav Sergeyevich, born 25 October 1979
Strafilov Konstantin Aleksandrovich, born 30 June 1983
Mamontov Maksim Yuryevich, born 16 August 1984

In recent years, Neptun has specialised in procuring microelectronics and laboratory equipment through countries in Southeast Asia and the Far East. For instance, during the first year of the full-scale war in Ukraine, Matrosov obtained more than 500,000 euros worth of critically important semiconductors and other components for Russia's military-industrial complex through the Chinese supplier Ardis Trading (see the invoice on p. 51).

Neptun's other partner in China is Shine Resource (Qingdao) Co., Ltd. This company has helped Neptun in shipping machinery made by the US company Quaser and the Chinese manufacturer Bosunman to Russia.



Delivery of sanctioned goods to Russia may take months.

The GRU not only imports goods to Russia but also markets Russian products in friendly foreign states. For example, Ruslan Koshkin, who is linked to Neptun, is active in the association MNPA IS (МНПА «Инновационные системы»). The president of this association is Valentin Korabelnikov, who was dismissed from his position as a GRU chief in 2009. In 2020, Korabelnikov and Koshkin sought to convince Eurasian Economic Commission board member Sergey Glazyev to promote Russian exports to Guatemala. It remains unclear whether the corruption charges brought against Korabelnikov in 2021 were related to the same deal.

According to a representative of one ecosystem firm, a GRU officer in his sixties named Vladimir Vladimirovich (the representative either did not know or did not wish to provide his surname) admitted that he had become morally exhausted by the grim nature of his work in a difficult global environment. Although officially retired, he is compelled to continue working, and even business trips to destinations like Thailand and Dubai offer him no relief.

Ever-tougher sanctions, the demanding nature of the work, a shortage of recruits, and complaints from end customers about delays and poor-quality goods are taking their toll even on hardened intelligence officers. In addition, the loss of a former key incentive – the opportunity to travel to Western Europe – makes the frustrations of GRU procurement officers understandable.

COUNTERMEASURES

Companies that managed Russia's transit links with the West and Asia, both before and after the war began, require careful scrutiny.

Countering sanctions evasion requires more than simply sanctioning the companies involved in these networks. Neptun Ko is undoubtedly not the only firm supplying Western components to Russia's military industry. The links in the procurement chain are relatively easy to replace, as there are still individuals in the West and elsewhere who are willing to participate in Kremlin schemes for personal gain. Companies that managed Russia's transit links with the West and Asia, both before and after the war began, require careful scrutiny. More effective countermeasures should address the entire process, not just isolated parts. In addition to scrutinising supply chains, end users and financial flows, particular attention should be paid to the organisers of sanctions evasion, including Russian intelligence officers. The number of such "experts" in Russia is limited. Rather

than solely sanctioning shell companies, it may be more effective to publicly expose the professional shell creators behind them.

Investigative journalism can also make a significant contribution in uncovering schemes that violate sanctions. Unlike intelligence and law enforcement agencies, journalists often find it easier to bring information on sanctioned procurement practices into the public domain. For instance, the Ukrainian channel *Telebachennia Toronto* conducted an in-depth investigation into the GRU-linked company Neptun Ko mentioned above. These revelations help raise awareness among various audiences, including producers of dual-use goods, as Western manufacturers do not want to find themselves publicly linked to GRU officers and their networks.

Screenshot from a *Telebachennia Toronto* video on Neptun Ko Ltd.

Source: *Телебачення Торонто* Youtube channel

In addition to journalism and intelligence services, law-enforcement and legislative bodies must also adjust to the current situation. If involvement in sanctions-evasion networks were considered a criminal offence in allied countries, law-enforcement agencies would not need to spend additional resources proving links to Russian intelligence services. Updating existing legal frameworks and coordinating with partners are undoubtedly major undertakings. Still, we need not look far back for a positive example: in the recent decade, the fight against terrorism showed how Europe and NATO, with their partners, were able to swiftly develop effective measures for information-sharing and disruption, which have significantly reduced the threat of terrorism in Europe today.

阿蒂斯贸易（上海）有限公司

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COMMERCIAL INVOICE

Ship To LLC 《Neptun Co Ltd.》
Teatralnaya alleya 3, 5th floor, 12
125167, Russia Moscow
Contacts: Alexander Matrosov
TEL: +7 (926) 112-23-69

Invoice: **ARD-NEP-221206-1** **DATE:** **2022/12/06**

Contract No.: 22/08-22

Item	Part No	Description	Q-ty	Unit	Price per unit	Price total
1	PMP-GDT007	PUMP	77	pcs.	€ 1,332.00	€ 102,564.00
2	CAP-AVX016	CAPACITOR	72000	pcs.	€ 0.02	€ 1,440.00
3	CAP-AVX017	CAPACITOR	120	pcs.	€ 0.14	€ 16.80
4	CAP-AVX060	CAPACITOR	400	pcs.	€ 0.71	€ 284.00
5	CAP-AVX061	CAPACITOR	400	pcs.	€ 0.27	€ 108.00
6	W-XJS076	SEMICONDUCTOR	271	pcs.	€ 1.73	€ 468.83
7	IND-FRP077	INDUCTOR	5400	pcs.	€ 0.04	€ 216.00
8	CAP-VIS080	CAPACITOR	500	pcs.	€ 0.66	€ 330.00
9	COM-GDT096	COMPRESSOR	68	pcs.	€ 871.35	€ 59,251.80
10	A-SM103	SEMICONDUCTOR	250	pcs.	€ 0.66	€ 165.00
11	X-T104	SEMICONDUCTOR	556	pcs.	€ 0.59	€ 328.04
12	X-T105	SEMICONDUCTOR	196	pcs.	€ 0.79	€ 154.84
13	A-SB106	SEMICONDUCTOR	136	pcs.	€ 0.32	€ 43.52
14	A-SB107	SEMICONDUCTOR	1839	pcs.	€ 0.21	€ 386.19
15	A-SB108	SEMICONDUCTOR	212	pcs.	€ 0.56	€ 118.72
16	A-SB109	SEMICONDUCTOR	10	pcs.	€ 0.81	€ 8.10
17	A-SB110	SEMICONDUCTOR	772	pcs.	€ 0.25	€ 193.00
18	A-SB111	SEMICONDUCTOR	500	pcs.	€ 0.65	€ 325.00
19	A-SB112	SEMICONDUCTOR	220	pcs.	€ 0.51	€ 112.20
20	A-SB113	SEMICONDUCTOR	917	pcs.	€ 0.49	€ 449.33
21	A-SB114	SEMICONDUCTOR	100	pcs.	€ 0.49	€ 49.00
22	A-SB115	SEMICONDUCTOR	1117	pcs.	€ 0.50	€ 558.50
23	A-SB116	SEMICONDUCTOR	2685	pcs.	€ 0.39	€ 1,047.15
24	M-NQ135	SEMICONDUCTOR	70	pcs.	€ 13.78	€ 964.60
25	M-NQ136	SEMICONDUCTOR	318	pcs.	€ 13.59	€ 4,321.62
26	M-NQ137	SEMICONDUCTOR	469	pcs.	€ 21.08	€ 9,886.52
27	M-NQ139	SEMICONDUCTOR	1113	pcs.	€ 19.23	€ 21,402.99
28	M-NQ141	SEMICONDUCTOR	490	pcs.	€ 15.07	€ 7,384.30
29	M-NQ142	SEMICONDUCTOR	19	pcs.	€ 20.00	€ 380.00
30	M-NQ143	SEMICONDUCTOR	118	pcs.	€ 11.17	€ 1,318.06
31	M-NQ144	SEMICONDUCTOR	672	pcs.	€ 16.53	€ 11,108.16
32	M-NQ145	SEMICONDUCTOR	11	pcs.	€ 15.28	€ 168.08
33	M-NQ146	SEMICONDUCTOR	18	pcs.	€ 8.46	€ 152.28
34	M-NQ149	SEMICONDUCTOR	213	pcs.	€ 8.68	€ 1,848.84
35	M-NQ152	SEMICONDUCTOR	307	pcs.	€ 2.74	€ 841.18
36	M-NQ153	SEMICONDUCTOR	52	pcs.	€ 30.62	€ 1,592.24
37	M-NQ154	SEMICONDUCTOR	626	pcs.	€ 7.67	€ 4,801.42
38	A-T158	SEMICONDUCTOR	683	pcs.	€ 0.42	€ 286.86
39	VAR-EPS176	VARISTOR	100	pcs.	€ 23.05	€ 2,305.00
40	IND-EPS177	INDUCTOR	12	pcs.	€ 2.98	€ 35.76
41	IND-EPS178	INDUCTOR	10	pcs.	€ 4.69	€ 46.90
42	IND-EPS179	INDUCTOR	10	pcs.	€ 5.65	€ 56.50
43	IND-EPS180	INDUCTOR	20	pcs.	€ 4.77	€ 95.40
44	A-SB181	SEMICONDUCTOR	1000	pcs.	€ 0.05	€ 50.00
45	DIO-VIS186	DIODE	16	pcs.	€ 0.93	€ 14.88
46	A-SB187	SEMICONDUCTOR	30	pcs.	€ 0.25	€ 7.50
47	CAP-KEM188	CAPACITOR	2500	pcs.	€ 0.05	€ 125.00
48	CAP-KEM189	CAPACITOR	2000	pcs.	€ 0.08	€ 160.00
49	CAP-KEM190	CAPACITOR	64000	pcs.	€ 0.03	€ 1,920.00
50	CAP-KEM191	CAPACITOR	2500	pcs.	€ 0.09	€ 225.00
51	CAP-KEM192	CAPACITOR	30	pcs.	€ 0.17	€ 5.10
52	CAP-KEM193	CAPACITOR	5	pcs.	€ 0.66	€ 3.30
53	D-Z198	SEMICONDUCTOR	295	pcs.	€ 1.47	€ 433.65
54	D-Z199	SEMICONDUCTOR	148	pcs.	€ 2.08	€ 307.84

CHAPTER 5

RUSSIAN ARMED FORCES

RUSSIA IS ADAPTING ITS ARMED FORCES FOR UNMANNED WARFARE

Russia is establishing a large number of unmanned systems units across all services and branches of its armed forces, with priority given to unmanned aerial vehicle units.

In any future conflict with Russia, allies must be prepared to face an adversary that employs unmanned systems at scale – at strategic, operational and tactical levels on land, in the air and at sea.

For NATO, achieving a breakthrough in countering unmanned aerial vehicles is critical to making Russia's simple, mass-produced drones ineffective.

Oleksandr Syrskyi, commander-in-chief of the Ukrainian Armed Forces, says unmanned aerial vehicles account for up to 70% of losses of weapons and military equipment in the war.

As part of its military reform, Russia is establishing unmanned systems units across all services and branches and assigning them both combat and combat-support roles, in line with the "mass army" principle. The creation of a dedicated unmanned systems branch is almost certainly rooted in lessons learned from the war in Ukraine, which have demonstrated the growing military importance of unmanned platforms and their potential to shape the operational environment.

The development of Russia's unmanned capabilities is of major importance for NATO and Estonia for several reasons:

- Russia's defence industry and civilian sector are likely capable of supplying enough unmanned systems to equip the new units.
- The extensive adoption of unmanned systems will likely enhance Russia's existing capabilities, such as intelligence, naval-strike, indirect-fire and precision-strike capabilities.
- In the event of conflict, the state must be prepared to fight an adversary using a large number of unmanned systems at strategic, operational and tactical levels on land, in the air and at sea, simultaneously across Estonia's entire territory.

Geran-2 unmanned aerial vehicles at the 9 May parade in Moscow.

Source: Alexander Kazakov (ZUMA Press)

A PROJECT OF NATIONAL IMPORTANCE

To promote cooperation between the public and private sectors, the Russian government has launched a National Project for the Development of Unmanned Aerial Vehicles, aimed at developing new UAV technologies. The plan envisages training one million specialists and providing UAV-related coursework in 75% of Russian schools by 2030.

THE UNMANNED SYSTEMS BRANCH AND ITS UNITS

Russia's unmanned systems branch was established by Vladimir Putin's order in the autumn of 2025. The purpose of establishing a new branch is almost certainly to centralise command, control and oversight of unmanned systems, consolidate the many ad hoc units created during the war in Ukraine, and introduce standardised tactics, techniques and procedures across the armed forces.

The reform is expected to produce around 190 unmanned systems battalions, most of which will consist of UAV units operating within the Ground Forces, the Airborne Forces and the Naval Infantry.

Plans for unmanned ground vehicle (UGV) units are less developed, as UGV technology remains at an early stage in Russia and elsewhere compared with unmanned air and maritime systems. UGVs are primarily used for combat support and logistics tasks. They are most common in Russia's engineering units, which employ them for detecting explosives, mine-laying and demining and reconnaissance in difficult or dangerous terrain.

The Russian Navy is creating attack-oriented unmanned surface vessel (USV) units across all its fleets and the Caspian Flotilla. Within the Aerospace Forces, the GROM "Kaskad" UAV brigade is the only unit of its kind in Russia in terms of role and status.

An overview of the planned units and their size by service and branch is shown in the table.

Level of formation		**Ground Forces, Airborne Troops, Naval Infantry** Planned UAV units	**Navy** Planned USV units
Military district		Regiment	
Army, army corps	**Fleet**	Regiment	Regiment
Division		Battalion	
Brigade		Battalion	

The pace at which Russia establishes these unmanned systems units will depend on the duration and outcome of the war in Ukraine. However, unmanned systems are almost certainly a priority in Russia's armaments programme. In the Baltic Fleet, a regiment of unmanned naval strike vehicles has been formed, along with a UAV regiment under the direct command of the Leningrad Military District. These units are currently being staffed, armed and equipped. In the coming years, the Baltic Fleet is also likely to form a UAV regiment, and UAV battalions are expected to be established in the divisions of the 6th Combined Arms Army. These units will augment Russia's existing intelligence, naval-strike, indirect-fire and precision-strike capabilities in Estonia's immediate vicinity.

RUSSIA EXPANDS LARGE-CALIBRE AMMUNITION PRODUCTION AND STOCKPILES FOR POTENTIAL FUTURE CONFLICTS

Russia's military-industrial complex has increased artillery ammunition production more than seventeenfold since 2021.

Russia is highly likely to rebuild part of its strategic artillery-ammunition stockpiles – in effect preparing for its next war – even as its aggression against Ukraine continues.

Russia's explosives industry has highly likely reduced its dependence on imported raw materials, though significant vulnerabilities remain in its supply chains.

Since the invasion of Ukraine in 2022, the Russian Federation's military-industrial complex has increased its artillery ammunition[2] production several times over. This has enabled Russia's armed forces to sustain combat operations in Ukraine despite international sanctions.

ARTILLERY AMMUNITION

In 2022–2023, Russia's military-industrial complex achieved initial production growth primarily by returning idle capacity to operation. Subsequent expansion has resulted mainly from large-scale investment in the ammunition production chain.

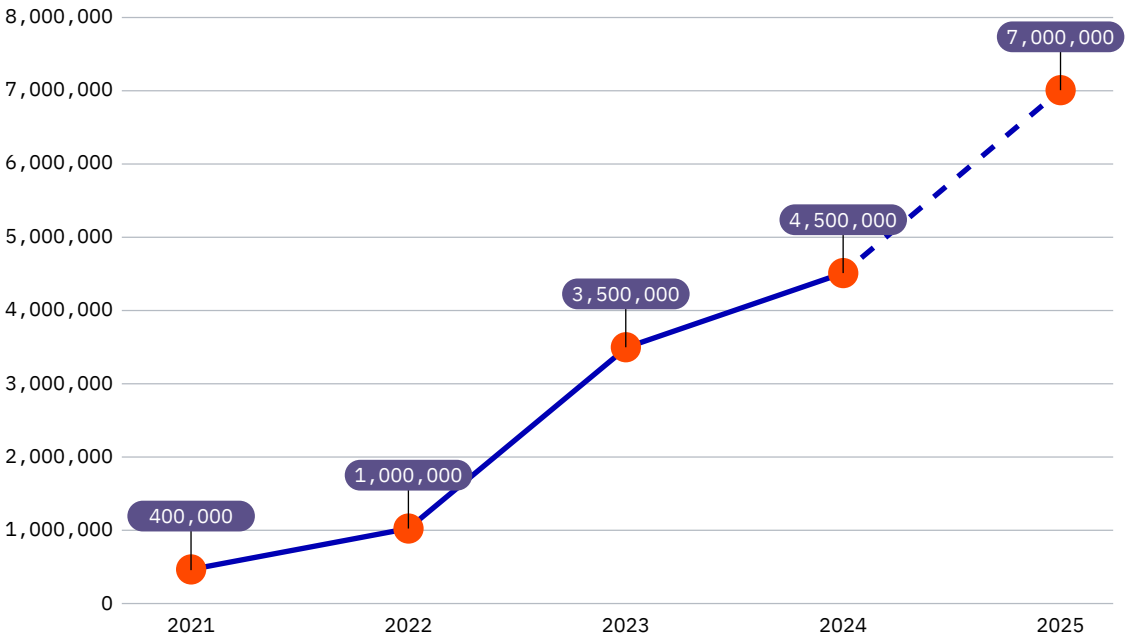
Russia's expenditure of artillery ammunition has fluctuated throughout the war. In the spring of 2022, during offensive operations, daily consumption reached up to 60,000 rounds. Since then, it has generally stabilised at 10,000-15,000 rounds per day. A key factor affecting expenditure is Russia's strategic ammunition stockpile, which was estimated at up to 20 million shells, rockets and mortar rounds before the 2022 invasion. As Russian forces expended most of these reserves in the first two years of the war, they were later compelled to ration ammunition use.

In 2025, Russia's total artillery ammunition output amounted to roughly 7 million shells, mortar rounds and rockets. The breakdown is as follows:

- Howitzer ammunition (122 mm, 152 mm, and 203 mm): 3.4 million
- Tank and infantry fighting vehicle ammunition (100 mm, 115 mm, and 125 mm): 0.8 million
- Multiple-launch rocket system ammunition (122 mm, 220 mm, and 300 mm): 0.5 million
- Mortar rounds (120 mm and 240 mm): 2.3 million

2 We apply the OSCE definition of artillery ammunition, which covers munitions for tanks, howitzers, mortars and multiple-launch rocket systems with a calibre of 100 mm or more.

Russia's artillery-ammunition production, 2021-2025



The procurement of this ammunition cost Russia's armed forces approximately 1 trillion roubles (approximately 10.6 billion euros) in 2025. However, the unit cost to Russia remains comparatively low. For example, an older-model 152 mm shell costs less than 100,000 roubles (about 1,050 euros) in state procurement, which is several times cheaper than similar 155 mm shells produced in Western countries. Such low prices are achieved at the expense of profitability across the state-owned enterprises that make up the supply chain, all of which rely on regular subsidies and other state support.

In addition to expanding domestic production, Russia imports artillery ammunition from Iran and North Korea. Since 2023, it has acquired an estimated 5–7 million rounds from these partners. According to Ukrainian assessments, North Korean ammunition accounted for roughly half of all Russian artillery expenditure on the Ukrainian front in the second half of 2025.

Given this production growth and substantial imports, Russia is highly likely to be able to replenish part of its strategic artillery ammunition reserves even while engaged in the ongoing war against Ukraine. For the Kremlin, maintaining such reserves is almost certainly a critical element of planning for potential future conflicts.

Russia's military-industrial complex will continue efforts to expand artillery ammunition production, whilst reducing dependence on external suppliers, including attempts to procure Western-made industrial machinery through various sanctions-evasion schemes involving intermediaries in third countries.

EXPLOSIVES

Explosives production in Russia is mainly conducted by Spetskhimiya, a subsidiary of the state-owned Rostec conglomerate, which comprises approximately a dozen manufacturing enterprises nationwide. Before the war in Ukraine, Russia's gunpowder industry depended almost entirely on imported cotton cellulose from Central Asia, which was processed domestically into nitrocellulose. Since 2023, Russia has been working to produce nitrocellulose from domestically sourced wood and flax cellulose. These attempts have highly likely been successful, as Spetskhimiya has become an important new customer for Russian cellulose producers. Although Russia's explosives industry is unlikely to eliminate its dependence on imported cotton cellulose entirely, even partial substitution with local raw materials marks a significant step forward and reduces the risks posed by potential sanctions on foreign suppliers.

A second key component of nitrocellulose is concentrated nitric acid or, alternatively, a mixture of nitric and sulphuric acids commonly referred to in Russian industry as "melange".

The production of these chemicals is one of the main bottlenecks in Russia's explosives sector, as melange is manufactured at only one site – the Berezniki chemical plant owned by Uralchem. Concentrated nitric acid is produced both at Berezniki and at EuroChem's facility in Novomoskovsk. Any major disruption to production at these plants – whether technical or economic – would highly likely cause serious interruptions across Russia's entire ammunition-manufacturing supply chain. Although small-scale nitric acid producers exist elsewhere in Russia, their output is several orders of magnitude lower, and they cannot play a meaningful role in supplying the explosives industry.

Adding an ironic twist to the situation, neither of the companies producing these critical inputs for Russia's war industry is subject to EU sanctions. Their second major line of business is the manufacture of nitrogen fertilisers. Imposing sanctions against such producers would, according to prevailing narratives, jeopardise global food security. At the same time, the European Union's own production of nitrogen fertilisers fell by nearly 14% between 2021 and 2024.

THE MORAL DECLINE OF RUSSIAN ARMED FORCES

Russia employs a wide range of methods to meet its recruitment targets: physical force, deception, intimidation and psychological pressure are applied to enlist soldiers when financial incentives are insufficient.

Lawlessness, abuse of power, corruption, theft, alcoholism and drug use are widespread in Russia's armed forces. Crime originating within the armed forces poses a threat to both Russian society and neighbouring states.

The Kremlin lacks effective mechanisms to reintegrate military veterans into society.

The Russian authorities have established a nationwide system for recruiting new soldiers to offset massive losses on the Ukrainian front. Responsibility for filling the ranks of the armed forces rests primarily with Russia's regional governments, which are required at all costs to meet monthly and annual recruitment targets set by the Ministry of Defence.

As the number of volunteers continues to decline, local administrations have resorted to increasingly drastic measures to meet these quotas. On the one hand, recruits are lured by unprecedented financial incentives; on the other, they are subjected to intense pressure to sign service contracts. Media reports indicate that physical force, deception, intimidation and psychological manipulation are frequently used in the recruitment process.

Cynical recruitment efforts particularly focus on socially vulnerable groups.

Cynical recruitment efforts particularly focus on socially vulnerable groups, including the unemployed, chronic debtors, detainees, individuals under judicial supervision, those suffering from alcohol or drug addiction, as well as labour migrants and others. Consequently, Russia's frontline units are largely composed of individuals who, under normal circumstances, should not be entrusted with weapons.

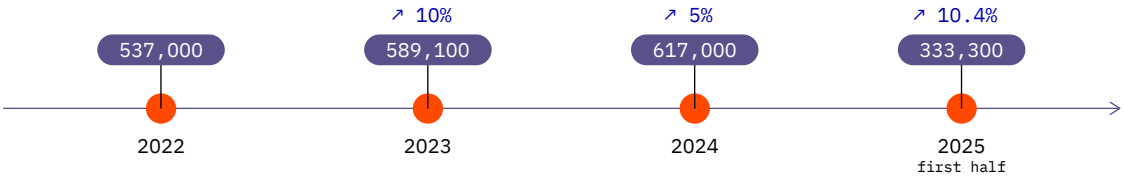
Lawlessness, abuse of power, corruption, theft, alcoholism and drug use are widespread in Russia's armed forces. Frontline soldiers also frequently commit serious crimes against civilians. Additionally, reports are increasingly emerging of illegal trafficking in weapons taken from the battlefield, which are likely to end up in the hands of criminal networks.

‘THE NEW ELITE’

Although official narratives portray frontline soldiers primarily as heroes and as Russia’s “new elite”, the public is well aware, mainly through social media, of widespread abuses committed by soldiers both within the military and in civilian life. Rather than addressing these underlying issues, authorities seek to suppress the flow of information through repressive measures. As a result, the term “new elite”, which has been promoted by Putin, has become a target of bitter sarcasm among the Russian population. Consequently, returning soldiers are increasingly met with fear and caution. A survey conducted by the Levada Centre in autumn 2025 revealed that 39% of Russians anticipate a rise in crime linked to the return of war veterans. Additionally, half of those surveyed either did not wish to express an opinion or did not dare to do so.

Recently, some Russian officials have been forced to acknowledge that the mass recruitment of individuals with criminal backgrounds for the war in Ukraine has led to a sharp increase in crime, and that this issue is likely to worsen once the fighting ends. A study published by the Ural State Law Institute of the Russian Ministry of Internal Affairs notes that the highest-risk group consists of individuals convicted of serious violent crimes who received pardons upon recruitment into the armed forces. According to the study, their return to civilian life after the war will be particularly difficult, and a large proportion are likely to revert to criminal activity.

Statistics for serious and particularly serious crimes, according to the Russian Ministry of Internal Affairs



According to Russian investigators, between 150,000 and 200,000 convicted criminals were recruited from prisons to the front between 2022 and 2025. How many of them have since been killed or demobilised remains unknown. Official statistics indicate that at the beginning of 2022 there were 465,000 inmates in Russian detention facilities; by October 2023, this number had fallen to 266,000. At the beginning of 2025, Russia reportedly held around 313,000 prisoners.

The return of military veterans to civilian life is likely to be accompanied by a rise in crime. This risk does not concern Russia alone, and Western states must also factor in additional threats:

- the spread of organised crime originating in Russia
- the expansion of illegal trafficking in weapons and explosives
- the spread of terrorism and extremism
- the return of foreign nationals who fought in the war back to their home countries

In light of these risks, it is important to maintain additional travel restrictions and enhanced background checks for visa applications originating from Russia, even after the end of the full-scale war. This will also help prevent Russian war criminals from entering Europe.

VETERANS AS A THREAT TO INTERNAL STABILITY

The government lacks the financial resources to implement large-scale rehabilitation programmes.

From the perspective of the Russian Presidential Administration, crime originating within the armed forces primarily poses a threat to the regime's domestic political stability, and this risk could increase significantly with the end of the war and demobilisation.

The regime must reckon with the fact that most men returning from the front will no longer earn incomes comparable to their military pay, which could sow the seeds of politically charged discontent. Additional strain on the social welfare system is also inevitable: the state must contend with large numbers of severely wounded veterans and with widespread addiction, post-traumatic stress disorder and other mental health problems.

The Kremlin is therefore preparing to prevent the emergence of "uncontrolled" veterans' organisations and political movements. To mitigate these risks, the Presidential Administration has launched nationwide programmes to reintegrate veterans into society. Regions are also required to take measures to ensure veterans' employment and medical rehabilitation.

The federal training programme 'Time of Heroes' is intended to create the impression that frontline soldiers returning from the war will enjoy excellent career opportunities in state and local government. In reality, participation in the programme is limited to a small number of carefully vetted servicemen. Moreover, a significant share of these positions is held by officials who served near the front but did not participate in combat operations.

The Russian government lacks the financial resources to implement large-scale rehabilitation programmes. Years of chronic underfunding have significantly weakened the country's social welfare system, leading to an acute shortage of medical personnel, particularly specialists in mental health. Consequently, when the war ends, the vast majority of veterans are likely to be left to cope with their problems alone, which will inevitably result in rising social tensions.

An intoxicated “special military operation” veteran assaulted people at a shopping centre in Aldan, Yakutia. “I am a Russian warrior!” he shouted amid the abuse.

Source: screenshot

CHAPTER 6:

ASIA

65

NORTH KOREA STEPS UP ON SEVERAL FRONTS

An increasingly intrusive North Korean intelligence effort is gathering information even on its partners, Russia and China.

North Korea finances its weapons programme by coercively controlling and extracting profits from its overseas labour diaspora.

Businesses must be vigilant against North Korean front companies to avoid sanctions breaches. Thorough background checks on potential partners are essential whenever their identity or origin is in doubt.

In recent years, North Korea, which has provided Russia with weapons, ammunition and soldiers, has increased its activity in other areas. North Korean diplomats have begun to actively gather intelligence not only in Europe but also in Russia and China.

The regime in Pyongyang seeks access to any information that could help advance its domestic defence industry, manufacturing capabilities, technology and other sectors. Intelligence is gathered both by diplomats and their subordinates. Some embassies have even created posts for "science and technology attachés", whose tasks include collecting large volumes of scientific articles and purchasing various products through procurement networks.

The North Korean regime is interested in a wide variety of information, technology and equipment, including:

- production technologies and materials for anti-fouling paint intended for warships and submarines;
- construction plans for nuclear power plants;
- rare-earth metals technology from Russia;
- devices used in satellites;
- seeds for cultivating new agricultural varieties;
- information on a ball-bearing plant in Russia;
- information needed to build new factories in North Korea, including fertiliser and cement plants and facilities for producing high-pressure components;
- information for establishing a fertiliser plant;
- biotechnology;
- artificial intelligence and data technologies;
- technologies for generating electricity from wave and tidal energy;
- graphene (used in the defence industry and other sectors);
- nano- and composite materials and nanotechnology;
- electronics;
- electric tractors from China;
- technologies for processing rock and for mining.

North Korea's latest intercontinental ballistic missile, the Hwasong-20, unveiled at a military parade marking the 80th anniversary of the Workers' Party. Its reported range is 15,000 km.

Source: CGTN

In China, North Korean intelligence is most active in the northern cities of Beijing, Dalian and Shenyang. In Russia, its activity is concentrated in Moscow and in Blagoveshchensk, a city in the Far East on the border with China. North Korean authorities are also seeking to send students to Russian universities to study nuclear and other high-technology fields.

A LABOUR DIASPORA THAT FILLS THE REGIME'S COFFERS

Pyongyang has an unusual source of income: North Korea sends its workers abroad, primarily to Russia and China, to generate revenue for the regime and its weapons programmes. According to United Nations estimates, the number of these workers exceeds 100,000.

The North Korean regime accumulates nearly half a billion euros from its labour diaspora.

The bulk of the wages paid to these workers flows into the state treasury, leaving the workers with only a tiny portion of their earnings. For example, highly paid IT professionals are required to surrender nearly 90% of their earnings to the North Korean government. Given that an IT specialist can earn hundreds of thousands of euros a year and that there are several thousand of them working globally, the regime generates hundreds of millions of euros annually from this workforce. Overall, it accumulates nearly half a billion euros from the entire labour diaspora.

North Koreans sent abroad work mainly in construction and industry, and their living and working conditions are often inhumane. They are frequently tasked with obtaining specific goods in their host countries and sending them back to North Korea – for example, food, clothing, medicines, cigarettes, furniture, other consumer goods, and even building materials.

North Koreans working abroad often look for ways to earn additional income and improve their living conditions. A common method is selling traditional Korean medicine products manufactured in North Korea. The regime also sends doctors overseas, and they, too, may use deceptive practices to extract more money from their patients, diagnosing illnesses the patients do not have, and then selling them unnecessary medicines.

NORTH KOREAN COMPANIES OPERATING UNDER COVER

North Koreans have become increasingly active in the IT sector – such as in developing cryptocurrencies and blockchain technologies – and they offer services to clients around the world while attempting to conceal their true origins. To do this, they often use falsified IDs and front companies registered in other countries, including China and Russia. For example, Yanbian Silverstar Network Technology Co., Ltd., based in China, and Volasys Silver Star, based in Russia, are in fact run by North Koreans closely linked to the Munitions Industry Department, which is responsible for developing North Korea's ballistic missiles. There is a real risk that Estonian companies might unknowingly become clients of these seemingly legitimate firms.

The true purpose of North Korean IT companies is again to generate revenue for the Pyongyang regime and its weapons programme. It is crucial to remember that any activity that helps finance North Korea's armaments programme is subject to international sanctions and is therefore punishable. Penalties range from fines to lengthy prison sentences.

Any activity that helps finance North Korea's armaments programme is subject to international sanctions and is therefore punishable.

North Korean IT specialists also attempt to seek employment directly with European and American companies. In one documented case, a Western firm unwittingly hired a North Korean national who used a false identity and work history. The individual exploited the access granted as part of their position to infiltrate the company's IT systems and download confidential business information. When the company later attempted to terminate the employment, the individual threatened to make the information public unless they were paid a specified amount.

In this context, it is critical for Estonian companies to verify the true identity and background of job applicants from third countries. Additionally, firms must remain vigilant when operating in the cryptocurrency and blockchain sectors to ensure that their business partners are not front companies for North Korea.

CHINA AND RUSSIA – ALLIES WITHOUT A TREATY

China and Russia believe that the current era of geopolitical upheaval allows them to reshape the global balance of power in their favour.

Russia is adapting to the asymmetry in its relationship with China and aligning its political agenda with China's initiatives.

Both consider it possible that one of them might strike a deal with the United States behind the other's back. To mitigate this risk, they hold frequent consultations.

Russia's full-scale war against Ukraine has elevated its relationship with the People's Republic of China to new heights. Since 2022, the two states have significantly deepened their cooperation in the fields of energy, trade, finance, transport and logistics, science, technology and education.

China and Russia are increasingly aligning themselves due to a shared understanding that far-reaching global shifts give them an opportunity to reshape the distribution of power in ways that serve both their interests. While their objectives are not always fully aligned, both governments are convinced that they stand to gain more than they lose from maintaining good relations with one another.

RUSSIA CALIBRATES ITS POLICIES TO CHINA'S

In the early years of the war in Ukraine, Russia was concerned about its growing economic dependence on China, and it is now adjusting to the asymmetry in the bilateral relationship by aligning its political agenda with China's projects and initiatives.

China and Russia share a belief that only great powers with civilisational stature have the right to shape international relations.

For example, the concept of a Greater Eurasian Partnership is now discussed alongside China's Belt and Road Initiative. The Northern Sea Route is linked to the Maritime Silk Road, and Russia's proposed new Eurasian security architecture is paired with China's Global Security Initiative. China's Global Civilisation Initiative, announced by Xi Jinping in March 2023, was echoed in the foreign-policy strategy Russia published that same month, which defines Russia as a "state-civilisation". Both China and Russia share a belief that only great powers with civilisational stature have the right to shape international relations.

In their pursuit of an alternative governance model intended to marginalise Western states, China and Russia present a united front internationally. They collaborate within organisations such as the United Nations, OPEC, the International Atomic Energy Agency, the World Health Organisation, among others. Additionally, they have created their own cooperation formats, including the Shanghai Cooperation Organisation and BRICS+. Furthermore, they have established numerous sector-specific cooperation initiatives to refine and implement the plans agreed during high-level visits.

THE EFFECTS OF SANCTIONS

Sanctions imposed on Russian banks and companies, along with fears of secondary sanctions affecting Chinese banks, have somewhat dampened China–Russia trade. In the first half of 2025, trade decreased by nearly 9% year-on-year. Despite this, both countries have introduced payment schemes that have enabled them to continue trade cooperation by circumventing the restrictions imposed by sanctions. Chinese banks are actively negotiating new agreements with sanctioned Russian banks to facilitate the resumption of bilateral financial cooperation once the sanctions are lifted.

Russia's leadership considers the memorandum of understanding signed with China on the construction of the proposed Power of Siberia 2 gas pipeline to be a breakthrough. They expect to conclude the full contract within a year. Russia will likely agree to a discounted gas price for China in the hope of partially offsetting its loss of the European market. China, for its part, is also interested in the project as a means of increasing and diversifying its supply through land-based gas pipelines. This would help secure China's energy supplies in the event of a conflict with Taiwan, even under possible sanctions or a maritime blockade.

MILITARY COOPERATION

While a formal China-Russia military alliance is unlikely in the near future, we can expect continued joint exercises and patrols in the Asia-Pacific region.

Due to the Western embargo on military technology and extensive sanctions, cooperation on research and development between China and Russia has intensified markedly. This collaboration spans satellite communications, stealth technology, artificial intelligence, robotics and other next-generation technologies. Both countries also recognise the growing importance of cognitive confrontation in modern warfare and are working together in this area as well.

Synchronised Victory Day anniversary events held by China and Russia reflect the leaders' mutual support for each other's foreign-policy ambitions.

Source: Gavriil Grigorov (ZUMA Press)

REVISIONISM

China's Victory Day parade, held in Tiananmen Square in September 2025, along with the People's Liberation Army anniversary events organised in Chinese embassies worldwide that summer, signal Beijing's intention to promote an image of itself as the victor in the Second World War.

Russia has used narratives from the Second World War as a tool of influence for a quarter of a century; the emphasis on victory discourse is a relatively new trend in China's foreign policy. This shift is likely linked to the sharp rise in China's global ambitions ahead of Xi Jinping's third term.

China views a victor's image as a way to support its ambition to reshape the existing world order.

China views a victor's image as a way to support its ambition to reshape the existing world order, believing it grants the country historical legitimacy to do so. To give global significance to its struggle against Japanese occupation, Chinese-language sources have started to reframe the historical narrative. The Second Sino-Japanese War is now described more broadly as a world war against fascism, with China presented as an anti-fascist force.

In constructing this victor's image, Chinese historians and officials tend to downplay not only the contributions of the Western Allies but also those of the Soviet Union. However, Russia, which considers itself the Soviet Union's legal successor, does not seem concerned by the portrayal. In fact, the Kremlin plays along with its valued partner. For instance, an entire passage condemning the atomic bombings of Hiroshima and Nagasaki was removed from a Second World War brochure prepared for guests at Russia's own Victory Day celebrations. One possible reason for this removal – given that Xi Jinping was the guest of honour – may have been the Kremlin's desire not to undermine China's narrative of victory by highlighting events that ultimately determined the end of the Sino-Japanese War.

COOPERATION OVERRIDES DISTRUST

Academic institutions close to the Chinese and Russian governments recognise the risk that one side might strike a deal with the United States behind the other's back. To mitigate this risk, numerous closed-door consultations have been held since early 2025 at China's initiative to exchange information and coordinate bilateral cooperation.

Despite a certain level of mutual distrust, both China and Russia recognise that, for the foreseeable future, they will benefit more from maintaining good relations with one another than from pursuing potential agreements with the US administration. This does not rule out the possibility that Russia may attempt opportunistic deception manoeuvres towards the United States to enhance its own position. If Russia does pursue such actions, its leadership will likely calibrate them to ensure nothing jeopardises its relationship with China.

It is worth acknowledging that straying from the principles of a values-based foreign policy serves the interests of both China and Russia equally: any concessions made to Russia would, in effect, also fuel China's global ambitions.

CHINESE ARTIFICIAL INTELLIGENCE DISTORTS PERCEPTIONS

China seeks to instil a distorted, self-serving world view in the Western information space.

One of the tools it uses to achieve this is DeepSeek, a Chinese artificial intelligence system that has spread rapidly across the world.

When discussing issues related to Estonia's security, DeepSeek conceals key information and inserts Chinese propaganda into its answers.

When DeepSeek burst onto the international stage in January 2025, many users were tempted to start chatting with the bot. However, few seemed to understand that every question put to DeepSeek helps train Chinese artificial intelligence. In doing so, users are indirectly contributing to China's ambition to succeed in what it calls a new industrial revolution.

China's strategic aim is to integrate AI as widely as possible into its high-tech smart systems, such as smart cities, autonomous vehicles, smart ports, electrical grids and the Internet of Things. Because this new industrial revolution requires analysing behavioural patterns, the state has encouraged all Chinese citizens to help improve national AI capabilities through their everyday interactions. Additionally, enthusiastic users of DeepSeek elsewhere in the world are also, whether knowingly or not, aiding China in these efforts.

CENSORED AND DISTORTED INFORMATION

Improving AI capabilities is not the only advantage China gains from DeepSeek's global spread. The technology also gives China an opportunity to embed a China-led distorted world view in Western publics.

In the West, many assume that DeepSeek's distortions are limited to highly sensitive issues such as Tibet, human rights, Taiwan, the Tiananmen Square massacre, and the Uyghurs. However, the reality is far more nuanced.

DeepSeek states that it is programmed to follow strict guidelines, with its priority being to ensure safety and neutrality and minimise harm. It claims to avoid discussions that may involve sensitive or classified information, spread misinformation or endanger national or international security.

With such parameters, virtually any field can be censored.

When examining topics related to Estonia, a clear algorithmic pattern emerges: the further back in time the questions are, the more neutral DeepSeek's answers become. For instance, Estonia's restoration of independence in 1991 and the Bronze Night events in 2007 are described in relatively neutral terms. As the questions move closer to the present, the responses become increasingly ideological, evasive and opaque.

Here is another example: in 2023, China's then ambassador to France, Lu Shaye, stated in an interview with the TV channel LCI that former Soviet republics have no effective status under international law. When DeepSeek is asked about this in Chinese or English, it avoids addressing Lu Shaye's comments and often replies: "Unfortunately, I am unable to answer that question." Only one response offered by the Chinese version of DeepSeek claimed that Lu Shaye's remarks have been misunderstood, without clarifying which remarks or by whom. In contrast, Western AI systems provide detailed summaries of his interview and of the Baltic states' reactions.

A further example: if asked whether Estonia's Ministry of Foreign Affairs has ever criticised China, DeepSeek offers a diplomatically polished statement about mutually beneficial bilateral relations. It makes no mention of any criticism. Western AI systems, however, provide specific examples from recent years.

The English and Chinese versions of DeepSeek sometimes provide markedly different answers. For example, when asked about Estonia's withdrawal from the 16+1 format, the Chinese-language version offers no explanation, whereas the English-language version explains the reasons behind the decision.

CHINESE PROPAGANDA

DeepSeek's distortions are particularly evident when discussing Russia's war of aggression against Ukraine.

When asked about Russia's attack on Ukraine, it replies that Russia's military actions have caused serious concern in the international community. The response also emphasises that China remains objective and fair, supports the sovereignty and territorial integrity of all nations, and urges all sides to show restraint, avoid further escalation and resolve differences through dialogue and negotiation. Additionally, it claims that China is willing to play a constructive role in promoting a political settlement.

Note that the question did not mention China. However, approximately 80% of DeepSeek's answer consists solely of China's official talking points, with few specifics about Russia's attack itself.

When questioned further about the events in Bucha, DeepSeek replies:

The situation in Bucha, Ukraine, has raised international concern and has been widely reported by media outlets and international organisations. After Russian troops withdrew from the area in March 2022, numerous reports and images of civilian casualties emerged, prompting widespread condemnation and demands for investigations.

Ukrainian authorities and international organisations, including the United Nations and the International Criminal Court, have launched investigations to establish the circumstances. The findings have been discussed in international forums, with many states expressing deep concern and calling for accountability.

In the context of the Ukraine conflict, China has consistently supported peace and dialogue, emphasising the importance of protecting civilians and adhering to international law. The Chinese government supports efforts to achieve a peaceful resolution and has called for thorough and objective investigations into all alleged atrocities to ensure justice and accountability.

In understanding such complex and sensitive situations, it is important to rely on verified information from credible sources. The international community continues to monitor developments closely, hoping that diplomatic efforts will prevent further suffering and loss of life.

Again, although China is not mentioned in the question, DeepSeek chooses to insert China's official position. But when pressed further with a direct question about whether Russia committed crimes in Bucha, DeepSeek replies that it cannot answer.

Yet even DeepSeek occasionally slips. When asked about Russia's attack in Donbas, it offers the following:

China has consistently urged all parties to show restraint and seek a peaceful solution through dialogue and negotiation in accordance with the Minsk agreements. We believe that the security of one state should not come at the expense of another, and that a balanced, sustainable security framework in Europe is essential for lasting peace.

Because Chinese commentators usually base their remarks on the statements of the Ministry of Foreign Affairs' spokesperson, DeepSeek likewise inserts information from Chinese government press conferences into its answers.

For example, its use of the words "we" and "our" clearly shows that DeepSeek is not generating its responses independently but is lifting them from the official statements of Chinese state institutions.

IS CHINESE TECHNOLOGY SAFE?

DeepSeek states:

Yes, China places great emphasis on safety and reliability in developing its technology. The Chinese government and technology companies follow strict regulations and standards to ensure the safety and security of their products and services. China has made significant progress in the field of technology and is committed to protecting user data and maintaining cybersecurity. These efforts are in line with national laws and international norms, ensuring that Chinese technology contributes positively to global digital security and innovation.

This response shows that the system is not configured to assess any potential weaknesses in Chinese technology. Instead, it delivers rigidly polished statements such as this:

The Chinese government opposes all forms of cyber espionage and supports a peaceful, secure, open and cooperative cyberspace; China's economic development is the result of the hard work of its people and legitimate international cooperation; China, a steadfast defender of cybersecurity, actively participates in international efforts to maintain cyber peace and security.

DeepSeek shows no awareness of Chinese cyber groups or of cases in which Western citizens have been recruited by Chinese intelligence.

DEEPSEEK AS A THREAT

DeepSeek omits information vital to Estonia's security and promotes China's official propaganda.

The conversations above clearly indicate that DeepSeek's censored information space presents a threat. The risks extend beyond avoiding sensitive domestic issues in China; they also include omitting information vital to Estonia's security and the occasional promotion of China's official propaganda.

Taken together, these findings show that Beijing aims to instil a China-led distorted world view in the Western information landscape.

CHAPTER 7

PROTECTION OF CLASSIFIED INFORMATION

77

WHAT SHOULD WE KNOW ABOUT AI RISKS?

AI carries a range of serious risks alongside its many benefits.

Data-management and cybersecurity rules must establish a clear policy for the use of AI systems.

Organisations that share information with AI tools must train their staff so that they are able to recognise and mitigate AI-related risks.

Artificial intelligence (AI) offers significant opportunities for the public sector, private companies and individuals to create added value, improve workflows and foster innovation. However, these opportunities come with substantial risks that, if mismanaged or overlooked, can cause considerable harm to individuals, institutions and society as a whole.

AI-related risks require organisations that process information using AI systems, to think systematically, implement strong risk-management practices, and adopt clear policies and security measures. Mitigating these risks must occur at both the state and organisational levels by applying an AI-use strategy and organisational, ethical, legal and technical measures derived from it.

The primary risks associated with AI usage can be categorised into five types: data leaks, faulty training, cyberattacks, misinformation and manipulation.

The use of AI to handle high-risk, sensitive and especially classified information must be based on deliberate, well-considered decisions.

Data leaks pose a direct threat to the security of classified or other sensitive information, such as trade secrets. AI requires large amounts of data to train language models, and these may include sensitive, personally identifiable or strategically important information. Even when legal or contractual obligations prohibit disclosing such data directly, an AI system can still utilise information entered into it and, if prompted skilfully, may reveal it to third parties. In 2023, for instance, the tech world was shaken when Samsung employees entered trade secrets into a chatbot, potentially making the information accessible to unintended recipients. Another incident involved patient data left unsecured on a cloud server, allowing unauthorised access.

Preventing such leaks requires adherence to comprehensive information security management practices and the use of data protection and privacy measures such as pseudonymisation, anonymisation and data minimisation.

Pseudonymisation

Real individuals' data is replaced with aliases or codes that mask their identities. The original identity can be restored if the mapping key exists.

Anonymisation

Personal data is modified or deleted so it can no longer be linked to an identifiable person. This action is irreversible because no key or method exists to recover the original identity.

Data minimisation

The processing of personal data is limited to what is genuinely necessary for the intended purpose.

To prevent and detect data leaks, organisations must establish an AI-use policy as part of their information-management and cybersecurity policies. This includes setting access restrictions for AI systems and implementing logging, monitoring, and anomalies detection. It is advisable to follow core data protection principles even before deploying AI tools.

Faulty training is one of the most significant risks in developing large language models. When a model is trained on biased, inaccurate or sensitive data, its outputs may reproduce those issues. These errors are not merely technical; they can directly impact people's rights and undermine trust in the system.

Language models must be trained and deployed ethically and under supervision to prevent the leakage of classified or other sensitive information and to avoid harm to society.

For instance, Microsoft's experimental Twitter chatbot, Tay, began producing racist and sexist responses within just 24 hours of interacting with malicious inputs from users. As a result, the company had to take it offline almost immediately. Additionally, AI systems may produce fabricated answers rather than factual information because they are often designed to provide positive responses rather than acknowledge a lack of necessary information.

To reduce the risks associated with faulty training, it is essential to use high-quality, diverse and representative datasets. Data must be checked for quality and provenance, and the system's components must be examined for potential bias during analysis. Before deployment, models should be validated and tested across a range of scenarios. High-risk systems require continuous human oversight.

Cyberattacks pose a rapidly increasing threat as AI capabilities continue to advance. AI can be exploited for malicious purposes, such as identifying security vulnerabilities and creating malware. There are documented cases of AI-generated code evading traditional antivirus tools. Numerous reports note that AI is now employed at every stage of a cyberattack, from planning to execution.

To reduce the risk of hacking, organisations should implement technical security measures such as firewalls, encryption and detection systems. Regular security audits, vulnerability testing and attack vector analysis are also effective. As with any system, the timely application of security patches is crucial. Organisations should apply general cybersecurity risk-management methods and maintain continuous monitoring.

Misinformation is one of the most complex and dangerous aspects of AI for society. AI models can generate convincing text, audio and video that may contain factual errors or be deliberately misleading. In extreme cases, they can impersonate influential figures and present them as issuing instructions that are partially or entirely false.

The risk of misinformation is especially high during interstate conflicts, elections or crises. For example, AI-generated fake news has influenced election campaigns in Moldova and Ireland by creating panic over fabricated events. There are also cases where AI-generated content has pushed individuals to make irrational decision such as transferring money to criminals.

To reduce the risk of misinformation, organisations using AI systems must implement fact-checking mechanisms, content controls and deepfake-detection tools. It is also essential to identify and promptly remove accounts that spread false information, such as on social media platforms. Labelling AI-generated content and applying human oversight to assess the output accuracy are good practices. Finally, raising public awareness and strengthening critical thinking are vital to help people distinguish genuine information from deceptive content created with hidden intentions.

Manipulation refers to AI's ability to influence people's decisions, emotions and behaviour. The 2018 Cambridge Analytica case demonstrated to the public how algorithms can be used to build psychological profiles of voters and target them with tailored influence. AI can generate personalised content that may be emotionally charged and biased.

To mitigate such risks, transparency is paramount: every user should have a clearly defined right, and the practical means, to understand whether material, interactions or decisions directed at them are generated by AI and on what basis. Organisations using AI must raise awareness and, where necessary, provide training to help users recognise manipulative practices.

THREAT	COUNTERMEASURES
Faulty training	• Use validated and diverse datasets • Apply data filtering and pre-assessment • Avoid sensitive or biased content
Data leaks	• Remove classified information from any training data • Use sandbox environments and restricted access • Log and monitor model outputs
Cyberattacks	• Restrict the model's access to sensitive cyber infrastructure • Use application-level authentication • Conduct regular security audits and tests
Misinformation	• Implement fact-checking mechanisms • Use content filters and moderation • Train users to approach AI outputs critically
Manipulation	• Label AI-generated content for transparency • Limit personalised content recommendations in sensitive areas • Apply ethical content-creation guidelines

As AI solutions are adopted more widely, implementing cybersecurity measures at every level becomes critical. Using AI requires awareness, responsibility and carefully designed security measures. Only transparency and robust security can ensure that AI serves society rather than puts it at risk.

RISK ASSESSMENT IS KEY TO PROTECTING CLASSIFIED INFORMATION

Estonia's framework of measures for protecting classified information is largely uniform and allows for little flexibility at the level of individual institutions.

Risk management must be continuous, as risk assessments become outdated quickly.

Protection measures should therefore be determined on a risk basis at the points where information is created and processed, to enable timely responses to threats and support international cooperation.

States classify their sensitive information to protect it from potential adversaries or the public, as its release may threaten national security, international relations or other vital interests.

The greatest threat to the security of classified information comes from hostile states that seek sensitive material from Estonia and its allies. These states aim to strengthen and protect their own military capabilities, geopolitical influence and strategic positions. Authoritarian countries often utilise sensitive foreign information to conduct political influence operations both domestically and internationally. Additionally, industrial espionage, or the theft of sensitive technology, is becoming more common and is particularly valuable to states subject to international sanctions.

For Estonia, the main threat comes from hostile states in our neighbourhood. More distant hostile states may also attempt to exploit Estonia as a gateway for gaining access to sensitive information belonging to our allies and about countries they view as adversaries or potential adversaries. Terrorist organisations likewise pose a threat, as they may be interested in Estonia's critical infrastructure and security measures for the purpose of planning attacks.

Sensitive information must be safeguarded against both external and internal threats. Employees may leak information in exchange for monetary gain or personal favours, or for ideological reasons. Hostile intelligence services seek to recruit individuals with access to valuable information, making anyone in such a position a potential target. Therefore, access to sensitive information is always restricted on a need-to-know basis, and individuals must undergo a background check or security vetting before receiving clearance.

HOW SHOULD THREATS TO CLASSIFIED INFORMATION BE ADDRESSED?

Information varies in sensitivity, and it is not always feasible or practical to protect it in the same manner. Information can be a strategic resource whose reliability, integrity and availability must be ensured, as these factors underpin the state's ability to respond to threats. International information sharing and mutual trust are equally important; therefore protection must be secure, flexible and up to date.

Western countries largely follow a risk-based model to safeguard classified information. This means that the need for protection is evaluated when information is created, and the appropriate protection measures are determined when it is processed, taking into account its intended use.

This resembles practices in the private sector, where companies decide how to protect their sensitive information – personal data and trade secrets, including sensitive technologies and other intellectual property – based on the risks arising from threats. Risk-based protection is most firmly established in highly regulated sectors where leaks may result in financial losses or state-imposed penalties, including finance, high technology, critical infrastructure, digital services and cybersecurity, pharmaceuticals, healthcare and the defence industry.

Estonia, however, has assigned risk-based decision-making to the legislature and the government. Consequently, institutions responsible for creating and handling classified information can influence the choice of classification levels and protection measures only to a limited extent. Estonia also needs to grasp the modern principle of risk-based protection – both to cooperate effectively with allies and the defence industry, and to develop future safeguards for its classified information.

HOW ARE CLASSIFICATION LEVELS SET ON A RISK BASIS?

Western countries generally define the levels of classified information by the extent of damage that could result if the information were disclosed to someone without authorised access. A typical definition of classification levels is as follows:

TOP SECRET	Disclosure may cause **exceptionally grave damage to national interests**
SECRET	Disclosure may cause serious **damage to national interests**
CONFIDENTIAL	Disclosure may cause **damage to national interests**
RESTRICTED	Disclosure may be **contrary to national interests**

As a rule, the institution that generates the information is authorised to classify it, as it is best placed to analyse and identify the risks associated with that information. The responsible institution evaluates the overall risk and assigns an appropriate classification level and duration to each category of information. National guidelines for classification are often advisory or not publicly available, as threat and risk assessments may themselves contain sensitive information.

PROBABILITY \ IMPACT	Very high	High	Medium	Low	Very low
Very high	High	High	High	Above medium	Medium
High	High	High	Above medium	Medium	Below medium
Medium	High	Above medium	Medium	Below medium	Low
Low	Above medium	Medium	Below medium	Low	Low
Very low	Medium	Below medium	Low	Low	Low

One method used in risk analysis is a risk matrix, which helps assess risks by considering the likelihood of a threat materialising and the impact of a leak. Depending on the context, the likelihood and impact may be determined either through precise calculation or through another form of assessment.

In Estonia, too, classification levels depend on the need for protection, and in certain limited cases, some flexibility is allowed regarding the classification level or duration. Under specific conditions, additional exceptions are permitted in electronic information security (cybersecurity), allowing information to be classified at a lower level than otherwise required.

However, in most cases, the categories of information subject to classification, as well as the level and duration of classification, are defined by law. For example, according to Estonian law, information may be classified only if it concerns international relations, national defence, the maintenance of law and order and security authorities or infrastructure – a narrower scope than that used in most Western states. The law largely sets out very detailed grounds for classification, which at times means the wording does not cover all sensitive information, preventing such data from being classified.

While this approach provides some clarity on the grounds for classification, in practice, institutions that create information often struggle to adapt flexibly to changing needs. They might find it challenging to determine which sensitive information requires classification, or whether it should be classified at a higher or lower level, or how long it should remain classified. Changes at the legislative or regulatory level can be time-consuming and require coordination nationwide, making the process too slow and restrictive to address rapidly evolving needs.

HOW ARE RISK-BASED PROTECTIVE MEASURES DETERMINED?

Protective measures for classified information must account for hostile actors' interests and opportunities to gain access, including situations involving large volumes of information or cases where classified material is handled outside a secure environment. Electronic processing requires rigorous risk assessment, given that hostile states conduct cyber operations to access Estonia's sensitive information and that cyber espionage is difficult to detect.

In Western countries, only the minimum requirements for protecting classified information are generally set at the state level. At the same time, each institution is expected to determine, based on its risk assessment, which specific protective measures to apply in a given case. The process of assessing risks and mitigating them through protective measures is known as risk management.

There will always remain some risk when protecting classified information, and the creator of the information must decide whether the identified residual risk is acceptable and whether the institution is prepared to tolerate it. It is also important to recognise that an institution's risk tolerance level may shift in a crisis, and the legal framework should allow it to make different decisions in such circumstances. The final stage of risk management involves preparing additional measures to mitigate future risks – for example, those arising from technological developments, as well as establishing damage-limitation procedures for situations where information can no longer be protected.

In Estonia, the protective measures applied to classified information are generally uniform, offering limited flexibility. Greater consideration is given to lower-level, risk-based protective measures in electronic information security, where systems containing classified information must undergo continuous risk management. In general, however, little consideration is given to the fact that institutions have very different operational needs or may face different threats when protecting their classified information.

While this uniform approach provides nationwide clarity, the lack of flexibility may hinder the adoption of new technological solutions, which would be easier to introduce initially at the level of individual institutions. It is also difficult to regulate new solutions nationally when no institution has experience using them.

The inflexibility also hinders cooperation with allies whose systems for protecting classified information already allow some risk-based flexibility, while Estonian institutions are required to apply uniform protective measures. As a result, obstacles arise in joint exercises and operations, in the deployment of shared systems, and in international procurement.

STAGES OF RISK MANAGEMENT	ACTIVITIES
Threat assessment	What threats does the state face? From whom must the information be protected?
Risk assessment	What damage would disclosure cause to the state? At what classification level should the information be protected?
Protective measures	What protective measures are required in general? What protective measures are needed for the specific use case?
Residual risk	Which risks remain after measures are applied? Is the unmitigated risk acceptable?
Additional measures	How can future risks be mitigated? What damage-limitation measures should be prepared?
Process repetition	Has the threat or risk assessment changed, or is it likely to change? What new protective measures should be used?

A risk assessment begins to lose its relevance the moment it is completed, which is why risk management must be a continuous process. The benefit of this approach is that the creator and custodian of the information must regularly reassess the threats the information must be protected against, the level of protection required and the measures needed to address them. Introducing a risk-based approach at institutions that create and process information may initially seem like a significant departure from established principles. However, in practice, this approach would enable a more flexible use of classified information when necessary, while ensuring it is protected with the most up-to-date safeguards.

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