

Armenia's AI Strategy and Emerging Power Shifts in the Caucasus

By
Vikramaditya Shrivastava

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Armenia's rapid turn towards artificial intelligence (AI) is reshaping the strategic landscape of the South Caucasus. The country's pursuit of advanced computing capacity, defense-oriented innovation, and Western technology partnerships is occurring at a moment of profound regional uncertainty. The collapse of Armenian deterrence after the 2020 and 2023 conflicts, Russia's shifting posture, and Azerbaijan's growing military confidence have created an environment in which technology is becoming a central instrument of national security. Armenia's AI strategy is no longer a domestic development initiative. It is a geopolitical signal with implications for regional power balances.

Deterrence Erosion and Armenia's Strategic Reassessment

Armenia's recent conflicts with Azerbaijan exposed structural weaknesses in its defense posture. The decisive role of drones and autonomous systems in the 2020 Nagorno-Karabakh conflict demonstrated how technological asymmetry can rapidly undermine conventional deterrence. Armenia's subsequent loss of Nagorno-Karabakh in 2023 further accelerated its search for new security tools. As [Eurasianet](#) notes, Armenia's leadership increasingly views AI as a national security asset rather than a purely economic opportunity. The country's strategic reassessment is driven by the recognition that traditional military parity is unattainable under current conditions. AI offers a pathway to compensate for resource constraints and to rebuild elements of deterrence through technological advantage.

Constraints and the Logic of Technological Diversification

Armenia's pivot towards AI is shaped by structural limitations. The [Hague Research Institute](#) highlights the country's restricted defense budget, limited industrial base, and shortage of high-end technical talent. These constraints make large-scale conventional modernization difficult. As a result, Armenia is pursuing technological diversification, seeking capabilities that can offset numerical disadvantages. AI-enabled systems, improved intelligence collection, and autonomous defense tools offer asymmetric value for a small state. This logic mirrors broader global trends in which emerging technologies allow weaker actors to complicate the calculations of stronger adversaries. Armenia's strategy reflects an understanding that deterrence in the twenty-first century increasingly depends on information dominance and rapid decision-making.

Defense Innovation and Official Signalling

Armenia's government has begun to frame AI as a core component of national defense. In a [speech delivered in Paris](#), High-Tech Minister Mkhitar Hayrapetyan described Armenia as a potential hub for defense innovation and AI development. This official signalling matters. It communicates to regional actors that Armenia intends to integrate advanced technologies into its security architecture. It also signals to Western partners that Armenia is aligning its technological trajectory with democratic states that prioritize responsible innovation. The government's messaging suggests that AI is not an auxiliary tool but a central pillar of Armenia's future defense posture.

AI Infrastructure as Emerging Hard Power

The most significant development in Armenia's AI strategy is the construction of the [Firebird AI Factory](#), built in partnership with NVIDIA. According to NVIDIA's announcement, the facility will host thousands of Blackwell GPUs, giving Armenia one of the most advanced compute clusters in the region. This infrastructure is more than an economic asset. It represents emerging hard power. High-end compute capacity enables advanced modelling, autonomous systems development, and enhanced intelligence analysis. It also strengthens Armenia's ability to collaborate with Western technology firms. In a region where military outcomes have been shaped by technological superiority, Armenia's investment in AI infrastructure signals a long-term commitment to rebuilding deterrence through capability enhancement.

Russia's Reaction and Shifting Alignments

Armenia's growing ties with Western technology companies have drawn attention from Moscow. A recent analysis by [RANE Network](#) reports that Russia views Armenia's AI partnerships as part of a broader geopolitical realignment. Russia's concerns reflect its declining influence in the South Caucasus and its sensitivity to Western technological penetration in its near abroad. Armenia's pursuit of US aligned AI infrastructure challenges Russia's traditional role as Armenia's primary security guarantor. This tension illustrates how emerging technologies can reshape alliances and create new fault lines. Armenia's AI strategy is therefore not only a domestic initiative but a geopolitical act that signals shifting alignments in the region.

Armenia's Unique Geopolitical Position in AI Development

Armenia's position makes its AI trajectory unusually complex. Many states are incorporating artificial intelligence into foreign policy, but Armenia's geography places it under pressures that few countries face. The country borders Russia and Iran, two states that maintain adversarial relationships with the United States and Europe. This proximity forces Armenia to balance its interest in Western technology with the sensitivities of neighbors that view such partnerships with caution.

Russia's reduced role as Armenia's security guarantor has encouraged Yerevan to explore new alignments, yet Moscow remains wary of Western influence in its near abroad. Iran adds further constraints. Its regional posture and [ongoing tensions](#) around the Strait of Hormuz create an environment in which Armenia must pursue technological advancement without triggering regional friction. These geographic realities make Armenia's AI development more strategically consequential than that of other small states, because each technological decision carries implications for the broader balance of power in the South Caucasus.

Regional Implications and Emerging Power Shifts

Armenia's AI trajectory is occurring alongside Azerbaijan's continued military modernization and Turkey's expanding regional influence. Bloomberg's reporting on Armenia's emergence as an [AI hotspot](#) underscores the international attention the country is receiving. As Armenia builds advanced compute capacity and deepens Western partnerships, the regional balance may begin to shift.

AI-enabled defense tools could complicate Azerbaijan's operational planning, while improved intelligence capabilities may reduce Armenia's vulnerability to surprise. At the same time, Russia's discomfort with Armenia's technological realignment introduces new strategic uncertainty. The South Caucasus is entering a period in which emerging technologies will play a vital role in shaping power dynamics.

Conclusion

Armenia's AI strategy reflects a broader transformation in how states pursue security in an era of rapid technological change. For Armenia, AI is a means of rebuilding deterrence, diversifying defence capabilities, and signalling geopolitical intent. Its investments in advanced infrastructure, defense innovation, and Western partnerships are reshaping regional calculations. As the South Caucasus continues to evolve, Armenia's AI trajectory will remain a critical factor in understanding emerging power shifts and the future of regional stability.

Vikramaditya Shrivastava is a geopolitical analyst examining defense strategy, strategic deterrence, and geopolitical risk, with a particular focus on emerging technologies and regional security dynamics. His work has appeared in Modern Diplomacy and the HAPSc Policy Briefs Series. Views expressed in this article are his own.