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EVOLUTION OF ARMENIA'S LOGISTICS SECTOR AND ITS ADAPTATION STRATEGIES SINCE THE START OF THE WAR IN UKRAINE

The war in Ukraine has significantly reshaped global economic dynamics, affecting trade routes, financial flows, and investment patterns. This study examines the evolution of Armenia's foreign trade balance since the beginning of the war, with a special focus on the logistics sector. In the logistics sector, Armenia has become a strategic transit platform due to sanctions against Russia, increased mutual trade flows, and re-export activities. The inflow of Russian businesses and the growing demand for alternative supply chains have solidified Armenia's role as a key transit hub between Eurasia and the Middle East. At the same time, the sector in Armenia has seen growth driven by the inflow of Russian capital and entrepreneurs seeking flexibility. The research shows how the industry has benefited from geopolitical shifts while also grappling with infrastructure, regulatory frameworks, and market volatility. The study is based on a mixed-methods approach, combining quantitative analysis of trade statistics and market data with qualitative insights from expert interviews, company reports, and regulatory assessments.

Key words: foreign trade, export, import, logistics, logistic companies, Ukrain war, Armenia.

INTRODUCTION

Since the war in Ukraine began, the global economy has faced significant disruptions, forcing changes in trade routes and shifting economic priorities. Armenia, a small, landlocked country in the South Caucasus, has felt the impact as well. The country's foreign trade balance has undergone noticeable changes, bringing both challenges and new opportunities across various sectors. As global trade routes were disrupted and political alliances shifted, Armenia found itself navigating a complex and rapidly changing economic landscape. On the one hand, it faced rising costs for imports and logistical struggles. On the other hand, these changes opened up fresh trade opportunities and new ways to generate revenue. This article takes a closer look at how Armenia's trade dynamics have evolved since the start of the conflict, highlighting the companies and sectors that have benefited—particularly in areas like logistics. The goal is to offer a deeper understanding of how Armenia is adapting to the shifting regional economic environment and what this means for its future economic strategy.

The report aims to analyze the evolution of Armenia's logistics sector since the onset of the war in Ukraine, focusing on key economic shifts and emerging beneficiaries in the sector. Specifically, the report seeks to identify key beneficiaries in logistics, analyze how Armenia's strategic location and trade route adjustments have led to the expansion of its logistics sector, highlighting major companies and infrastructural developments. The scope of the report includes an analysis of macroeconomic trade data, sectoral performance in logistics, regulatory developments, and the broader geopolitical influences shaping Armenia's trade landscape.

METHODOLOGY OF THE RESEARCH

The research is based on a **mixed-methods approach**, combining **quantitative analysis** of statistical data with **qualitative insights** from expert opinions, industry reports, and geopolitical assessments. The methodology includes data collection, analysis techniques, and validation steps to ensure the accuracy and relevance of findings. This research employs a **quantitative and qualitative approach** to analyze Armenia's logistic sector before and after the war in Ukraine. By integrating **market data, expert visions, and geopolitical trends**, it provides a complete view of how Armenia has emerged as an important player in the post-war landscape. The research used case studies, and structured interviews with **government officials, financial analysts, and experts from Armenian companies**. Secondary data was used, based on the analysis of scientific articles, analytical reports (**government reports, industry publications, and financial statistics**), and official company websites. Ethical Considerations:

- Ensured **confidentiality** of interview participants and company financial data.
- Used **official and publicly available data** to maintain research integrity.

THE ROLE OF THE LOGISTICS SECTOR

The war in Ukraine has caused major disruptions in supply chains and shifted trade routes, significantly affecting Armenia's foreign trade. In response to changing demand, sanctions on Russia, and the restructuring of regional trade flows, Armenia's exports and imports have undergone noticeable changes.

As traditional trade routes were rerouted, Armenian businesses had to explore new regional pathways. At the same time, geopolitical shifts led to fresh partnerships, particularly with countries in Asia, the Middle East, and the Eurasian Economic Union (EAEU). The sanctions on Russia also created a surge in demand for Armenian products, as they began to fill gaps in the Russian market.

This shifting trade environment has pushed Armenia to integrate more deeply into alternative trade systems and rely more heavily on overland logistics routes through neighboring Georgia. As a result, Armenia's role as a vital transit hub in the region has grown, further supporting its ambition to strengthen its position in global supply chains.

- **Export growth:** Armenia's exports grew by over 79,7% in 2022 compared to the previous year, with a significant increase in exports to Russia and other markets. However, the volume of goods traded with Russia has fluctuated, with some goods being re-exported through Armenia to circumvent international sanctions. In 2023, Armenia's export volume amounted to about 8.6 billion USD, which increased by about 55.3% compared to the previous year (SCRA, 2024). Armenia's exports have grown, especially in precious metals, technology-related services, and agricultural products. The export of copper, gold, and molybdenum has seen significant growth due to increased demand from international markets and higher global prices. Exports of precious and semi-precious stones, precious metals, and articles made from them in 2023 amounted to about 3.2 billion USD, increasing by 3.2 times compared to the previous year (World Bank, 2024). The information technology (IT) sector has also experienced a growth, driven by Armenia's growing reputation as a hub for tech outsourcing and software development. Agricultural exports, particularly fruits and vegetables, have benefited from better access to the EAEU market and increased production capacities. Trade relations with Russia and other EAEU countries have deepened, with Armenia forcing its EAEU membership to secure particular trade conditions and expand market access for its key exports.

- **Import adjustments:** In 2022, Armenia's import volume amounted to about 8.8 billion USD, which increased by about 63% compared to the previous year. The growth rates were maintained in 2023. Thus, in 2023, the volume of imports of Armenia amounted to about 12.8 billion USD, which increased by about 40 percent compared to the previous year (SCRA, 2024). Sanctions on Russia and limited access to certain European products have caused Armenia to seek alternative suppliers, particularly from Asia and the Middle East. The distraction in European supply chains has led to a significant shift in import models, with

Armenia diversifying its sourcing of essential goods such as machinery, electronics, and food products. Countries like China, India, and Iran have become key trade partners, supplying goods that were previously sourced from Europe. Additionally, the increase in transport costs and logistical challenges has forced Armenian importers to explore more cost-effective supply routes and establish long-term partnerships with regional suppliers. These adjustments have not only stabilized the import flow but have also improved Armenia's resistance to future supply chain shocks. While Armenia's import volume has remained high, it has been affected by the global supply chain distractions caused by the war. As of 2024, Armenia's imports have remained strong, particularly from countries like China, Iran, and the EU (SCRA, 2024). The logistics sector has been one of the biggest beneficiaries of the changing regional economic landscape. Armenia's strategic position as a transit hub has become even more crucial, particularly for Russian companies looking for alternative routes for their imports and exports. As traditional maritime and land trade routes have been rerouted, the volume of cargo passing through Armenia has surged, highlighting the importance of its transport and warehousing infrastructure.

In 2023, the volume of freight transportation amounted to about 18.5 million tons, which is 2.2% less than the previous year. In 2023, the structure of freight transportation by type of transport is as follows (SCRA, Transport, 2024):

1. **Railway** – 11.4%, with rail transportation decreasing by 40.1% in 2023 compared to 2022.
2. **Road** – 77.9%, with rail transportation increasing by 8.7% in 2023 compared to 2022.
3. **Air** – 0.2%, with rail transportation increasing by 45.5% in 2023 compared to 2022.
4. **Highway pipeline** – 10.5%, with rail transportation decreasing by 8.1% in 2023 compared to 2022.

New cross-border partnerships with logistics companies in Georgia, Iran, and Central Asia have been formed to improve transport efficiency. The Middle Corridor, which connects Central Asia to Europe through the Caspian Sea and the South Caucasus, has opened up new opportunities for Armenian logistics firms to expand. This shift has led to a rise in demand for overland freight services, warehousing, and customs brokerage.

To understand the **impact on logistics sector**, several factors must be taken into consideration:

1. **Growth in logistics demand:** Armenia's role as a land bridge connecting Russia, Iran, and the wider region has led to a significant increase in demand for transportation and logistics services. Rail transport between Russia, Iran, and Europe, bypassing Ukraine, has driven growth in Armenia's logistics sector. In response, Armenia has made significant investments in infrastructure to accommodate the rising logistics volumes, including modernizing rail networks, upgrading customs facilities, and expanding border infrastructure to manage the

growing traffic.

2. Rise in container traffic: The rise in container traffic, especially from Russia to Europe, has positioned Armenia as a key beneficiary of the logistics boom. Port container traffic is expected to grow significantly, and Armenia is becoming more integrated into global supply chains.

3. Digitalization in logistics: As the flow of goods has increased, logistics companies in Armenia have turned to digital tools to improve supply chain management, boosting efficiency and reducing costs. The evolving needs of the region have also driven investment in logistics technology, further improving the sector's ability to adapt and grow.

The war in Ukraine fundamentally reshaped Armenia's foreign trade balance and logistics sector. While the conflict posed significant challenges, Armenia's strategic geographic location and proactive efforts to diversify its trade relationships (especially with the EU, Iran, and other regional partners) have allowed the country not only to survive but also to thrive in sectors like logistics and technology. Despite a growing trade deficit, Armenia has successfully adapted to the shifting geopolitical and economic landscape, establishing itself as a regional logistics hub and strengthening its economic ties with new partners.

The logistics sector in Armenia has been deeply affected by the geopolitical confusion caused by the war in Ukraine. Before the conflict, Armenia's logistics operations were primarily focused on facilitating trade with Russia and its neighboring regions. However, the war has caused significant changes, accelerating structural shifts and opening up new opportunities for the logistics industry. Below is a detailed look at how the logistics sector has evolved both before and after the war (CaucasusWatch, 2024).

Pre-war logistics landscape:

Before the war, Armenia's logistics infrastructure and operations were closely aligned with its position within the EAEU and its strong trade ties with Russia. The logistics sector primarily centered around the transportation of goods to and from Russia, as well as to neighboring countries like Iran and Turkey (prior to the strain in diplomatic relations). The country's rail and road networks were designed to support these trade flows.

Armenia's strategic location, positioned between the EU, Russia, and the Middle East, made it an important player in regional logistics, despite having smaller trade volumes compared to larger nations. Armenian logistics largely focused on land transportation, with key routes connecting Armenia to major markets like Russia, Iran, and the European Union.

- **Rail systems:** Armenia's rail network, managed by South Caucasus Railways, was closely integrated with Russia's rail system. Rail transport played a central role in moving bulk goods like oil products, metals, and agricultural products, serving as the primary mode of trade for these commodities.

- **Road networks:** Armenia's road network connected the country to

Georgia, Iran, and Turkey, with road transport being the primary means of moving goods to and from Russia. This infrastructure was essential for facilitating trade across Armenia's key regional routes.

- **Customs and border facilities:** Customs procedures in Armenia were aligned with EAEU regulations, ensuring efficient cross-border processes that facilitated trade, especially with Russia and other member states. This alignment helped make trade more efficient and seamless within the region.

Post-war shifts in the logistics sector:

Since the start of the war in Ukraine, Armenia's logistics sector has experienced a dramatic transformation. The disruption of global supply chains, the sanctions imposed on Russia, and Armenia's strategic shift to diversify its trade relationships have all played key roles in reshaping the sector (MarketResearchFuture, 2025).

The **key trends and shifts in Armenia's logistics sector in 2022–2024** are the following:

1. Diversification of trade routes and partnerships:

- **Increased reliance on Iran:** As trade with Russia and the broader European region faced disruptions, Armenia strengthened its economic relations with Iran. The country has taken on a more prominent role in facilitating trade between Iran and Russia, while also acting as a key bridge for Iranian goods heading to Europe. This shift has led to a rise in cross-border trade via both rail and road, with Armenia's logistics network now managing an increasing volume of goods flowing between Iran, Russia, and Europe.

- **New trade corridors to the EU:** Armenia has increasingly looked to the EU as an essential trading partner. In response, the logistics sector has adapted to support these new trade flows, with a focus on land-based transport routes through Georgia, Turkey, and Azerbaijan. This shift has driven the development of new logistics hubs and enhanced transport infrastructure to better connect Armenia with European markets.

- **Growth in freight forwarding and re-exporting:** Armenia has emerged as a crucial transit hub for goods re-exported from Russia to other countries, particularly the EU and Central Asia. This shift has significantly boosted freight forwarding services and transit activities in Armenia, areas that were not as prominent before the war (SofiaGlobe, 2023).

2. Development of Key Infrastructure Projects:

- **Rail modernization:** The Armenian government has accelerated investments in modernizing its rail infrastructure, focusing on new tracks, upgraded stations, and improved connections to Iran and Georgia to handle the increasing flow of goods. The expansion of rail services to Europe via Georgia and

Turkey has improved Armenia's connectivity, boosting its logistics capacity and facilitating smoother trade routes.

- **Road infrastructure and border crossings:** Armenia has made significant investments in expanding and upgrading its road infrastructure, particularly the highways linking it to Iran, Georgia, and Turkey. New border facilities are being built or improved to accommodate the rising volumes of trade, helping to reduce delays and enhance efficiency. The country has also focused on ensuring that these road connections are well-equipped to handle bulk goods, such as energy products, food, and raw materials, supporting smoother and more efficient transport.

- **Customs modernization:** In response to changing trade flows and to ensure smoother operations, Armenia has modernized its customs processes. Digital platforms have been introduced to streamline clearance times and cut down on paperwork. These improvements have made customs procedures more efficient, allowing them to handle larger volumes of cross-border traffic with greater facility.

3. Emergence of Armenia as a regional logistics hub:

- **Increased transit traffic:** As the war in Ukraine disrupted supply chains in Europe and Russia, Armenia's role as a regional transit hub became even more significant. Thanks to its strategic location along key routes connecting Asia to Europe, Armenia plays a crucial role in facilitating the movement of goods between China, Russia, Iran, and the EU (Arka, 2022).

- **Cargo handling and warehousing:** Armenia has seen significant growth in warehousing and cargo handling facilities, particularly in key logistics hubs like Yerevan and Gyumri. With the rise in cross-border traffic, logistics companies have expanded their capacity to manage warehousing, customs handling, and freight forwarding services to meet the growing demand.

- **Digital logistics and E-commerce:** Digital platforms for logistics management have become increasingly important, especially with the rise of e-commerce. As re-exports and trade diversification grow, Armenia has integrated digital tools into its logistics network to improve tracking, inventory management, and delivery systems. This digital transformation has boosted Armenia's competitiveness in the global logistics market, making it more efficient and responsive to changing trade demands.

4. The role of air cargo:

- **Expansion of air cargo services:** The war and the resulting supply chain disruptions led to a greater demand for faster transportation. In response, Armenia's air cargo sector has expanded, with airlines launching new routes to support trade with Russia, Iran, and Europe. This growth has established Armenia as a regional hub for air cargo, particularly for high-demand sectors such as technology, pharmaceuticals, and food products.

5. Investment in green logistics and sustainability:

- **Sustainability initiatives:** As part of its modernization efforts and drive to integrate into global supply chains, Armenia's logistics sector is starting to involve sustainable practices. This includes the introduction of electric trucks, investment in eco-friendly warehousing facilities, and the promotion of greener transport options. This shift is largely driven by growing international demand for environmentally-conscious supply chain practices, especially from European partners.

6. Impact of the Russia-Ukraine war on supply chains and costs:

- **Rising costs and inflation:** Like many countries, Armenia's logistics sector has been affected by rising transportation costs due to disruptions in global supply chains. This has led to higher costs for goods being transported through Armenia. However, the diversification of trade routes has opened up new opportunities for local businesses, allowing them to adapt and thrive in the changing market conditions.

- **Supply chain resilience:** Armenia's logistics industry has grown more resistant by diversifying trade routes and strengthening connections with Iran, Europe, and Central Asia. Although this diversification has led to higher costs in the short term, it has helped Armenia weather the challenges of the war and better position itself for long-term growth.

In this context, it is important to have **statistical insights into Armenia's evolving logistics sector:**

- **Container traffic growth:** Container port traffic is projected to grow significantly, from 125,000 TEU (Twenty-foot Equivalent Units) in 2022 to over 137,000 TEU in 2024. This reflects increased logistics activity as Armenia serves as a transit hub.

- **Logistics market forecast:** The transportation and logistics market in Armenia is projected to reach 2.11 billion USD by 2029, with an annual growth rate of 1.91% from 2024 to 2029, highlighting sustained growth despite global uncertainties (Statista, 2025).

- **Growth in freight forwarding and re-exports:** Armenia's freight forwarding industry is expected to experience significant growth, driven by the re-export of Russian goods to Europe and Central Asia.

The war in Ukraine has accelerated the transformation of Armenia's logistics sector, turning it from a regionally-focused network into a key player in global trade. By diversifying trade relationships, investing in infrastructure, and strengthening its role as a transit hub, Armenia has adapted to these changes.

Despite the challenges brought on by the war, this adaptation has allowed the logistics sector to flourish, solidifying Armenia's position as a vital trade and logistics gateway between Europe, Asia, and the Middle East. As the industry continues to grow, Armenia is well-positioned to enhance its strategic role in the

region. The war reshaped global trade and disrupted Armenia's traditional logistics routes, pushing the country to seek new partnerships and make crucial infrastructure improvements.

The key trade and logistics post-war indicators are:

- **Increase in exports to Europe and Iran:** Following 2022, trade with Iran grew by 10–15% annually, fueled by rising demand for energy products, agricultural goods, and re-exports of Russian goods. Similarly, Armenia experienced a 30% increase in exports to Europe in 2022, largely due to its growing role as a re-export hub for Russian goods.

- **Logistics market growth:** The logistics sector in Armenia is expected to reach a value of 2.11 billion USD by 2029, with a steady annual growth rate of 1.91% from 2024 to 2029, highlighting the sector's long-term investment and growth potential. Additionally, container traffic at Armenia's logistics hubs is projected to increase to 137,200 TEU by 2024, reflecting the country's expanding role as a key trade and transit hub (Statista, 2025).

- **Rail freight traffic:** Armenia has made substantial efforts to boost its rail traffic by investing in enhanced connections to Europe through Georgia and Turkey. These improvements aim to increase capacity and meet the growing demand for re-exports, further solidifying Armenia's role as a key transit hub in the region.

Table 1. Key statistical comparison of RA foreign trade and logistic system (pre-war vs. post-war)¹

Indicator	Pre-War (2021)	Post-War (2022–2024)
Export to Russia	841 million USD	Re-export via Armenia grows significantly
Imports from Russia	Over 1.8 billion USD (machinery, oil products)	Growing, but shifting to Iran and EU, with growing diversification
Trade with Iran	Relatively stable, approx. 500 million USD	Increased by 10–15%, driven by energy and re-exports
Export to EU	Approx. 656 million USD	Increased by 17–30% due to diversification and re-exports
Container Traffic (TEU)	Approx. 125,000 TEU in 2021	Projected to increase to 137,200 TEU in 2024
Rail Freight Traffic	Primary route: Armenia–Russia, about 200,000 tons	Expansion in routes to Turkey, Iran, and Europe
Logistics Market Size	Estimated at 1.5 billion USD	Projected to reach 2.11 billion USD by 2029

Local Companies Benefiting: Companies like Spayka have been instrumental in Armenia's evolving logistics landscape. With a large fleet of trucks and established trade routes, Spayka has efficiently managed the increased flow of

¹ Compiled by the author based on the research data.

goods from Russia, Turkey, and the Middle East. Meanwhile, international logistics providers operating in Armenia have seen a surge in demand for transit and freight services, which has not only expanded the sector but also created new job opportunities, further enhancing the country's logistics capacity.

Looking ahead, the future of Armenia's logistics sector appears bright. Continued investments in transport infrastructure, including railways, border terminals, and digital customs systems, are anticipated. As Armenia strengthens its position as a critical link in Eurasian trade, its logistics industry is set to become a significant driver of economic growth and regional connectivity.

Rise in Freight and Transport Services: With maritime routes disrupted and Russian companies seeking overland alternatives, Armenia's significance as a regional logistics hub has expanded. Increased road and rail transport through Georgia into Armenia has facilitated the movement of goods, driven by the pressing need to establish stable overland routes for essential imports and exports. Collaboration with neighboring countries like Georgia and Iran has further streamlined cargo transit, cutting down on delays and reducing logistical bottlenecks. This growing reliance on overland routes has accelerated efforts to modernize Armenia's transport infrastructure. Rail networks are being upgraded to accommodate higher cargo volumes, while roadways are undergoing expansion and improvements to handle the increased traffic. Moreover, the adoption of digital tracking systems and the automation of customs procedures have significantly enhanced freight movement efficiency, reducing delays at border crossings and ensuring smoother trade flows.

Opportunities for Armenian Firms: The rising demand for transport services has opened up valuable opportunities for local logistics companies. Industry leaders like Spayka have responded by expanding their fleet and investing heavily in cold storage and warehousing facilities to manage the growing volume of perishable and high-value goods. Additionally, smaller logistics firms and independent transport operators have stepped into the market, fostering healthy competition and driving improvements in service quality across the sector.

Regional Trade Impact: The redirection of trade routes through Armenia has reinforced the country's status as a key player in regional supply chains. By actively participating in the «Middle Corridor» initiative—linking Central Asia to Europe via the Caspian Sea—Armenia has bolstered its position as an essential transit hub. This strategic involvement has not only deepened regional integration but also elevated Armenia's significance in Eurasian trade logistics, enhancing its role in facilitating cross-continental commerce. Local logistics companies like Spayka, alongside international transport operators, have experienced a surge in demand for freight services. Spayka, a prominent logistics and agribusiness leader, has leveraged its extensive transport network to manage the growing volume of goods moving between Russia, Turkey, and the Middle East. The company's strategic investments in refrigerated trucks, cold storage facilities, and digital tracking systems have enhanced its ability to transport perishable and high-value

goods efficiently. By maintaining strong trade partnerships across Eurasia and the Middle East, Spayka has not only ensured competitive shipping rates but also significantly reduced delivery times.

Beyond Spayka, smaller logistics firms have entered the expanding market, capitalizing on the increased cargo flow and newly established trade routes. These companies have diversified their services to include customs brokerage, warehouse management, and last-mile delivery, addressing the evolving needs of regional trade. At the same time, international freight forwarders have strengthened their presence in Armenia, contributing to enhanced logistics infrastructure and creating a wealth of new job opportunities in the sector. This combined growth underscores Armenia's rising importance in regional and global supply chains.

New Transit Opportunities: Armenia's active participation in the «Middle Corridor» initiative – connecting Central Asia to Europe via the Caspian Sea and the South Caucasus—has opened new doors for logistics companies to broaden their operations and strengthen their regional presence. This initiative has positioned Armenia as a critical transit hub in Eurasian trade networks, driving growth and innovation within its logistics sector (Nazaretyan, 2024).

To represent statistics and analysis of **key companies in Armenia's logistics sector** before and after the war in Ukraine, it is necessary to compare key performance indicators and trends for major logistics companies, focusing on how the war impacted their operations. Below is a breakdown of the sector's performance before and after the war:

1. South Caucasus Railways (SCR)

Before the war (Pre-2022): SCR played a pivotal role in Armenia's logistics infrastructure, managing a substantial share of the country's freight transport. Rail connections with Russia, Armenia's largest trading partner, were particularly vital, serving as a backbone for the movement of bulk goods such as minerals, metals, and oil. In 2021, SCR reported an annual freight volume of approximately 3 million tons, highlighting its significance in supporting the nation's trade activities. Exports to Russia primarily included metals, agricultural products, and raw materials, underscoring the economic interdependence between the two countries. Key transport routes connected Armenia to Russia directly, with additional transit routes passing through Georgia to reach European markets. These routes facilitated the efficient movement of goods, ensuring Armenia's access to both regional and international trade networks. The reliance on rail freight not only supported bulk commodity exports but also helped maintain stable trade flows amid fluctuating geopolitical conditions, further cementing SCR's role as a cornerstone of Armenia's logistics sector (RailWay, 2022). **After the War (Post-2022):** The war in Ukraine significantly disrupted traditional trade routes, compelling Armenia to rely more heavily on alternative connections to Russia, Iran, and Europe. In response to these changes, SCR made strategic investments to enhance its rail infrastructure, focusing on strengthening links to Iran and Georgia. These improvements aimed to

support the growing trade volumes moving through these critical corridors. In 2022, SCR reported a 10% increase in cargo transported via the Iran and Georgia routes, driven by the geopolitical realignment and the need for stable alternatives to bypass conflict zones in Ukraine. Key upgrades included the development of new rail routes and the modernization of existing infrastructure to accommodate higher cargo volumes. These enhancements not only ensured the continuity of trade flows but also positioned SCR as a more resilient player in the evolving regional logistics network. By adapting to the shifting trade landscape, SCR reinforced its role as a crucial facilitator of Armenia's connectivity with global markets, supporting both regional integration and economic stability (EuroNews, 2024).

Key Indicators:

- **Pre-War (2021):** 3 million tons of freight, approx 55 million USD revenue (RailWay, 2022).
- **Post-War (2022):** 3.3 million tons of freight, with an increased share of goods re-exported via Armenia, approx. 79 million USD revenue (RailWay, 2024).

2. Haypost

Before the War (Pre-2022): Primarily focused on postal and parcel delivery within Armenia and internationally, especially to Russia and other CIS countries, the company is dominant in the Armenian postal sector, with a 70% market share in domestic parcel delivery with revenue around 15 million USD annually. **After the War (Post-2022):** Haypost experienced increased demand for international shipping, especially for parcels coming from Europe and Russia to Armenia and the surrounding region. As e-commerce grew, the company adapted by enhancing its logistics capabilities. Haypost saw a significant increase in international parcel deliveries, especially from Russia and the EU, driven by Armenia's role as a re-export hub. The company launched new e-commerce logistics solutions to manage the rising demand for cross-border deliveries.

Key Indicators:

- **Pre-War (2021):** Dominated 70% of Armenia's domestic parcel market, with approx. 25 million USD in revenue (HayPost, 2022).
- **Post-War (2023):** Revenue growth to 28 million USD, with a 25% increase in parcel deliveries (HayPost, 2024) (HayPost, 2025).

3. A&B Group

Before the War (Pre-2022): Specialized in freight forwarding, customs services, and warehousing for both local and international clients, focusing on the transport of heavy and bulk goods, the company announced an annual revenue

of 10 million USD (2021) and handled 100,000 tons of goods annually, primarily to Russia and Iran with the industry focus on metals, raw materials, and machinery. **After the War (Post-2022):** Due to the disruption of traditional trade routes and the imposition of sanctions on Russia, A&B Group shifted focus to handling an increased volume of goods traveling through Armenia from Russia to Europe and the Middle East. Freight handling increased by 20–30%, particularly for goods related to re-exportation and transit. The company launched new logistics services related to air and road freight, providing solutions for urgent shipments affected by supply chain disruptions.

Key Indicators:

- **Pre-War (2021):** 10 million USD revenue, handling 100,000 tons of goods.
- **Post-War (2023):** 12 million USD revenue, handling 130,000 tons of goods.

4. Spayka

Before the War (Pre-2022): Specializing in logistics for agricultural products, Spayka is Armenia's leader in the fresh produce logistics sector, focusing on exports to Russia and the Middle East with the annual revenue of 40 million USD (2021), market share: 30% of Armenia's agricultural exports, primarily fruits and vegetables, transport focus: road and rail transport to Russia, Iran, and other CIS countries.

After the War (Post-2022): The company expanded its focus to handle new export routes through Iran and Georgia, seeing increased demand for transportation of agricultural goods to regions affected by supply chain disruptions. Agricultural exports grew by 20%, with increased focus on Middle Eastern markets due to supply shortages in Russia and Europe. Spayka invested in cold storage and refrigerated transport to maintain the quality of perishable goods being transported across longer distances.

Key Indicators:

- **Pre-War (2021):** 96 million USD revenue (Spayka, 2023), handling 100,000 tons of agricultural products.
- **Post-War (2023):** 88.4 million USD revenue (Spayka, 2024), handling 120,000 tons of agricultural products.

5. Yerevan Cargo Terminal

Before the War (Pre-2022): The company is handling air cargo for both domestic and international markets, with a focus on high-value goods and parcels, with annual cargo volume: 10,000 tons of air cargo in 2021, key partners: DHL, FedEx, and other international logistics firms. **After the War (Post-2022):** The terminal saw increased demand for air freight, particularly for high-value goods

being transported through Armenia as part of the re-export trade from Russia to the EU. Air cargo volume increased by 15–20%, with a surge in exports to the EU and Iran. The company started to offer new services: introduction of temperature-controlled air cargo for perishable goods, supporting increased volumes of agricultural exports and consumer goods.

Key Indicators:

- **Pre-War (2021):** 10,000 tons of air cargo handled.
- **Post-War (2023):** 12,000 tons of air cargo handled, with a growing share of re-exported goods.

Table 2. Summary of key trends in Armenia's logistics sector (pre-war vs. post-war)²

Company	Pre-War Freight Volume	Post-War Freight Volume	Revenue Growth	Impact
South Caucasus Railways	3 million tons	3.3 million tons	+10%	Growth in rail routes to Iran and Georgia.
Haypost	Dominated 70% of domestic market	+25% in international parcels	+20%	Growth in international shipping, especially e-commerce.
A&B Group	100,000 tons	130,000 tons	+20–30%	Increased handling of transit and re-export goods.
Spayka	100,000 tons (agriculture)	120,000 tons (agriculture)	+20%	Growth in Middle Eastern agricultural exports.
Yerevan Cargo Terminal	10,000 tons air cargo	12,000 tons air cargo	+15–20%	Growth in air freight for re-exports and perishables.

Discussion

The study's findings demonstrate Armenia's expanding significance as a key logistics hub in the post-war regional environment. The results support the original hypothesis in the introduction, which was that Armenia would profit economically from the disruption of international trade routes after the war in Ukraine due to its geographic location and adaptability. The data backs up the claim that, with the help of regulatory flexibility and infrastructure investment, geopolitical shocks can generate new economic niches, which is consistent with past research on small economies in transitional environments. Armenia's logistics industry has effectively benefited from changing regional trade dynamics, as evidenced by the rise in freight volume, diversification of export destinations, and creation of new corridors to Iran and the EU. This result is consistent with the predictions made in the introduction about logistics' potential to become a significant area of

² Compiled by the author based on the research data.

growth. Businesses like Haypost, Spayka, and South Caucasus Railways have all shown notable operational and financial growth, demonstrating the industry's adaptability and resilience.

However, the results also point to structural issues. Future growth may be slowed by significant limitations such as inadequate digital integration, a high reliance on a small number of regional partners, and infrastructure gaps. These restrictions align with the larger body of research on landlocked economies, which highlights the significance of ongoing infrastructure modernization and trade partnership diversification. The findings also imply that Armenia's logistics transformation represents a structural change toward long-term competitiveness rather than just a temporary adjustment. This trajectory is supported by the government's continuous investments in air cargo facilities, road connectivity, and rail modernization. Furthermore, e-commerce's growth and the integration of digital logistics platforms show convergence with global supply chain trends.

Future studies should look more closely at how these advancements in logistics relate to other new industries that have grown as a result of post-war capital inflows. To evaluate Armenia's relative performance in regional trade reorientation, comparative studies with neighboring nations would also be beneficial. In conclusion, the study's findings support and broaden earlier theories on regional economic adaptation, demonstrating that Armenia's logistics industry has seized the chance presented by geopolitical upheaval for strategic growth. However, sustained policy focus and infrastructure innovation will be necessary to sustain this momentum.

Conclusion

The war in Ukraine has profoundly reshaped Armenia's logistics sector, acting as a catalyst for transformation. Prior to the conflict, the industry was heavily reliant on trade with Russia, with limited diversification in its operations and infrastructure. In the aftermath, Armenia has strategically adapted by diversifying trade routes, modernizing infrastructure, and solidifying its role as a re-export hub. This evolution is evident in the surge in container traffic, strengthened trade ties with Iran and the European Union, and significant upgrades to rail and road networks. These changes highlight the resilience and adaptability of Armenia's logistics sector, positioning the country as a critical transit hub in the region.

Major players such as South Caucasus Railways, Translogistics, and Spayka have benefitted from increased freight volumes and revenue, leveraging Armenia's strategic location. Enhanced connections to Iran and Georgia, coupled with the rise of e-commerce logistics, have been instrumental in navigating the shifting geopolitical landscape. With growing international interest and investment, Armenia's logistics industry is poised for continued expansion, reinforcing its importance in Eurasian trade networks and driving economic growth.

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Հովհաննես Երիցյան

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**ՀՀ ԼՈՂԻՍՏԻԿ ՍԵԿՏՈՐԻ ԵՎ ՀԱՐՄԱՐՎՈՂ
ՌԱԶՄԱՎԱՐՈՒԹՅՈՒՆՆԵՐԻ ԷՎՈԼՅՈՒՑԻԱՆ ՈՒԿՐԱԻՆԱԿԱՆ
ՊԱՏԵՐԱԶՄԻՅ ԱՌԱՋ ԵՎ ՀԵՏՈ**

Ուկրաինայում պատերազմը էականորեն փոխակերպել է գլոբալ տնտեսական դինամիկան՝ ազդելով առևտրային ուղիների, ֆինանսական հոսքերի և ներդրումային միտումների վրա: Սույն հետազոտությունը ուսումնասիրում է Հայաստանի արտաքին առևտրային հաշվեկշռի զարգացումը պատերազմից ի վեր՝ հատուկ ուշադրություն դարձնելով լոգիստիկայի և կրիպտոարժույթի ոլորտներին: Լոգիստիկայի ոլորտում Հայաստանը դարձել է ռազմավարական տարանցիկ հարթակ՝ պայմանավորված Ռուսաստանի նկատմամբ կիրառված պատժամիջոցներով, փոխադարձ առևտրային հոսքերի աճով և վերաարտահանման գործունեության ակտիվացմամբ: Ռուսական բիզնեսների ներհուսքն ու այլընտրանքային մատակարարման շղթաների նկատմամբ աճող պահանջարկը ամրապնդել են Հայաստանի դերը՝ որպես կարևոր տարանցիկ հանգույց Եվրասիայի և Մերձավոր Արևելքի միջև: Միևնույն ժամանակ ոլորտը ցուցաբերում է աճ՝ պայմանավորված ռուսական կապիտալի և ձկնորսություն փնտրող ձեռներեցների ներհոսքով: Հետազոտությունը ցույց է տալիս, թե ինչպես է ոլորտը օգտվել աշխարհաքաղաքական տեղաշարժերից՝ միաժամանակ բախվելով ենթակառուցվածքային, կարգավորող և շուկայի տատանումների խնդիրներին: Հետազոտությունը հիմնված է խառը մեթոդաբանության վրա՝ համատեղելով առևտրային վիճակագրության և շուկայական տվյալների քանակական վերլուծությունը փորձագիտական հարցազրույցներից, ընկերությունների հաշվետվություններից և կարգավորող գնահատականներից ստացված որակական պատկերացումների հետ:

Հիմնաբառեր. արտաքին առևտուր, արտահանում, ներմուծում, լոգիստիկա, լոգիստիկ ընկերություններ, Ուկրաինական պատերազմ, Հայաստան:

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**ЭВОЛЮЦИЯ ЛОГИСТИЧЕСКОГО СЕКТОРА АРМЕНИИ И СТРАТЕГИИ
АДАПТАЦИИ С НАЧАЛА ВОЙНЫ В УКРАИНЕ**

Война в Украине значительно изменила глобальную экономическую динамику, повлияв на торговые маршруты, финансовые потоки и

инвестиционные модели. Данное исследование рассматривает эволюцию внешнеторгового баланса Армении с начала конфликта, с особым акцентом на логистический и криптовалютный секторы. В логистике Армения стала стратегической транзитной платформой в связи с санкциями против России, увеличением взаимных торговых потоков и активизацией реэкспортных операций. Приток российских компаний и растущий спрос на альтернативные цепочки поставок укрепили роль Армении как ключевого транзитного узла между Евразией и Ближним Востоком. В то же время сектор в Армении демонстрирует рост, обусловленный притоком российского капитала и предпринимателей, ищущих гибкость. Исследование показывает, как отрасль извлекла выгоду из геополитических изменений, сталкиваясь при этом с проблемами инфраструктуры, нормативно-правового регулирования и рыночной волатильности. Работа основана на смешанном методологическом подходе, сочетающем количественный анализ торговой статистики и рыночных данных с качественными оценками, полученными из интервью с экспертами, корпоративных отчетов и анализа нормативных актов.

Ключевые слова: внешняя торговля, экспорт, импорт, логистика, логистические компании, война в Украине, Армения.

Հոդվածը խմբագրություն է ներկայացվել՝ 2025թ. հոկտեմբերի 31-ին:

Հոդվածը հանձնվել է գրախոսման՝ 2025թ. նոյեմբերի 5-ին:

Հոդվածն ընդունվել է տպագրության՝ 2025թ. դեկտեմբերի 19-ին: