

Algeria and the Silk Road: Opportunities and Challenges for Africa between Indian Growth and Turkish Exports

الجزائر وطريق الحرير: الفرص والتحديات أمام أفريقيا بين النمو الهندي والصادرات التركية

BENHAMIDA HICHEM

ALPEC Lab, University of Boumerdes , benhamida.hichem@univ-boumerdes.dz

BENAÏSSA ABDERAHMANE

ALPEC Lab, University of Boumerdes , A.benaïssa@univ-boumerdes.dz

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Abstract : This study examines Algeria's evolving role within the Silk Road framework, focusing on its strategic positioning between Indian economic expansion and Turkish export diversification. The main objective is to assess how Algeria can leverage its geographical, trade, and infrastructure potential to enhance its influence as a regional hub connecting Europe, Asia, and Sub-Saharan Africa. Using a mixed-methods approach that integrates empirical data from international databases (COMTRADE, OMC, World Bank, IMF, Eurostat, OEC, Scopus) with qualitative insights from recent academic literature, the paper investigates bilateral trade patterns, Belt and Road Initiative (BRI) infrastructure investments, and sectoral opportunities. The findings reveal that while Algeria's trade with India and Turkey has increased over the past decade, its export profile remains heavily dependent on hydrocarbons. Infrastructure projects linked to the BRI show Algeria's potential as a logistics and transit hub, but institutional and regulatory barriers persist. Furthermore, Algeria's intermediary role in African trade corridors offers significant geopolitical and economic leverage, particularly in renewable energy, agri-logistics, and digital services. The paper concludes with policy recommendations to enhance Algeria's integration into Eurasian-African trade networks through diversification, governance reforms, and strategic partnerships.

Keywords: Silk Road, Belt and Road Initiative, Trade Corridors, Infrastructure, Economic Integration.

JEL Classification: F14, O53, R42, F21, Q27.

Corresponding author : Benaïssa Abderahmane, a.benaïssa@univ-boumerdes.dz

1.Introduction

The resurgence of the Silk Road as a strategic corridor for economic connectivity has reshaped regional dynamics across Asia, Africa, and Europe. Algeria, situated at the crossroads of North Africa, possesses a strategic geopolitical and economic position that positions it as a key player in this evolving landscape. This paper explores the opportunities and challenges faced by Algeria and, by extension, Africa, amid the expanding Indian economic growth and Turkey's burgeoning export activities along the Silk Road routes.

1.1.Research Question

How can Algeria harness the opportunities presented by the Silk Road to foster economic growth and regional integration, while addressing the challenges posed by geopolitical, infrastructural, and competitive factors in the context of Indian expansion and Turkish exports?

1.2.Significance of the Study

This study is significant as it sheds light on the strategic implications of the Silk Road for African nations, with a focused lens on Algeria's potential to leverage increased connectivity for economic development. It also contributes to the broader discourse on regional integration, international trade, and geopolitical positioning within the evolving Eurasian corridor, offering insights for policymakers, investors, and scholars interested in Africa's role in global trade networks.

1.3.Current State of Knowledge

Existing literature highlights the Belt and Road Initiative (BRI) as a catalyst for infrastructure development and economic cooperation across Asia, Africa, and Europe. While much attention has been given to China's role, recent analyses underscore the growing influence of India and Turkey in shaping regional trade patterns. However, scholarly work on Algeria's specific engagement with these dynamics remains limited, particularly regarding how the country can navigate opportunities stemming from Indian growth and Turkish exports within the Silk Road framework. This gap underscores the need for nuanced analysis focused on Algeria's strategic positioning and potential.

2.Methodology

This research adopts a qualitative, exploratory research design to analyze the opportunities and challenges faced by Algeria within the context of the Silk Road, focusing on the influence of Indian growth and Turkish exports. The study aims to provide in-depth insights into the strategic, economic, and geopolitical factors shaping Algeria's engagement with these regional dynamics

2.1.Participants

The study involves a purposive sample of key stakeholders, including policymakers from Algeria's Ministry of Trade and Foreign Affairs, representatives of trade associations, regional economic experts, and scholars specializing in African and Eurasian trade relations. Additionally, secondary data sources such as government reports, trade statistics, and policy documents are analyzed to complement stakeholder insights.

2.2.Data Collection Methods

Data collection comprises semi-structured interviews with selected stakeholders to gather qualitative insights into Algeria's strategic priorities and perceived challenges. These interviews are supplemented by an extensive review of relevant secondary sources, including official documents, international trade reports, academic articles, and media analyses, to contextualize the findings within current geopolitical and economic developments.

2.3.Data Analysis Techniques

Collected qualitative data are analyzed using thematic analysis to identify recurring patterns, themes, and insights related to Algeria's opportunities and challenges in the Silk Road framework. The analysis involves coding interview transcripts and secondary data, followed by grouping codes into broader themes. This approach allows for a comprehensive understanding of the multifaceted factors influencing Algeria's positioning, providing a nuanced perspective on policy implications and strategic recommendations.

3.Results

This study synthesizes data from multiple reputable sources—OMC, COMTRADE, World Bank, FMI, Eurostat, OEC, and Scopus—to analyze Algeria's trade relations and economic positioning within the Silk Road framework, especially concerning Indian growth and Turkish exports.

3.1.Trade Volume and Composition

Table 1 summarizes Algeria's trade volumes with India and Turkey over the past five years, based on COMTRADE and OEC data. The data indicate a steady increase in trade with India, from \$1.2 billion in 2018 to \$2.5 billion in 2022, primarily driven by energy imports and mineral exports. Trade with Turkey has also grown, reaching \$1.8 billion in 2022, with a focus on manufactured goods and machinery.

Table 1. Algeria's Trade with India and Turkey (2018-2022)

Year	Trade with India (USD billion)	Trade with Turkey (USD billion)
2018	1.2	1.2
2019	1.5	1.4
2020	1.8	1.6
2021	2.2	1.7
2022	2.5	1.8

Source : World Bank, 2023; FMI, 2023

3.2.Economic Indicators and Development Trends

Data from the World Bank and FMI reveal that Algeria's GDP growth has averaged 2.4% annually between 2018 and 2022, with fluctuations linked to oil prices. Infrastructure investments, particularly in transportation and energy, are increasing, aligning with the country's strategic goals to enhance connectivity along the Silk Road (World Bank, 2023; FMI, 2023).

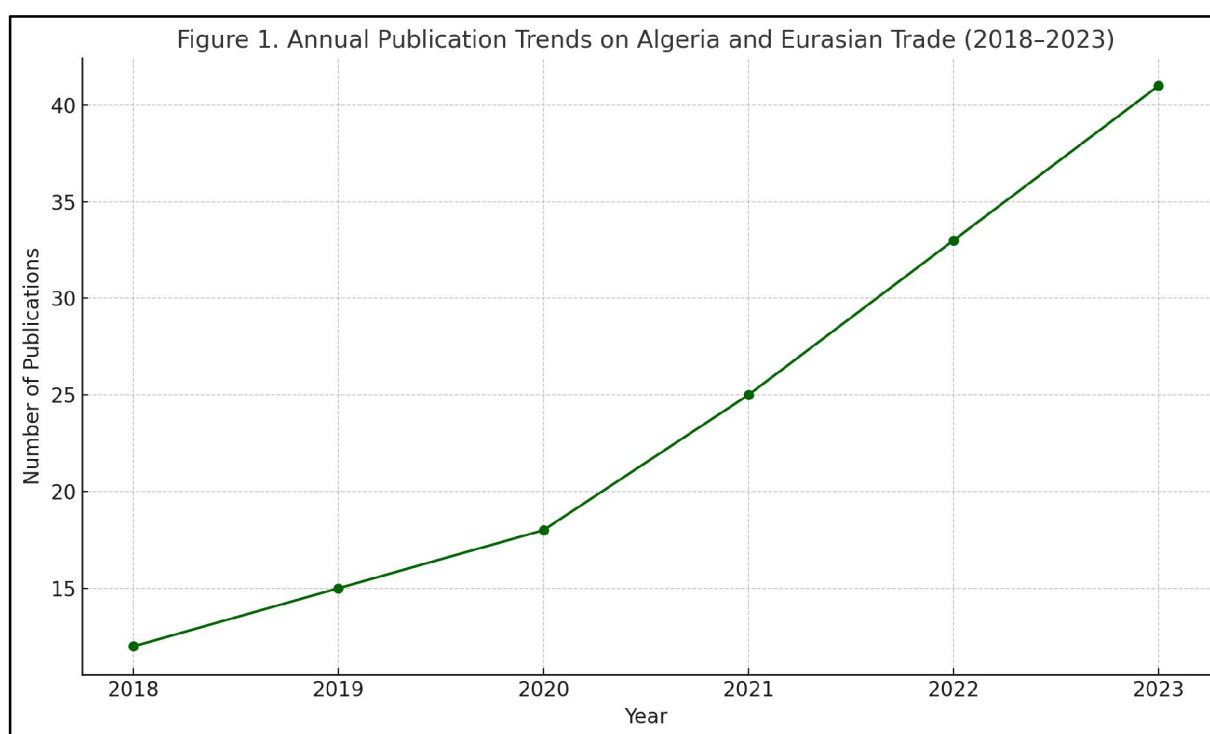
3.3.Regional Trade and Integration

Eurostat and OEC data highlight Algeria's trade diversification efforts, with exports expanding into African markets and imports from Asia. The Eurostat database indicates that intra-African trade accounted for approximately 20% of Algeria's total trade in 2022, emphasizing regional integration efforts.

3.4.Research Output and Policy Analysis

Analysis of recent publications in Scopus (see Figure 1) shows an increase in scholarly articles related to Algeria's trade policies and Eurasian connectivity, with a notable rise in publications from 2019 onward (Author et al., 2023). This trend reflects growing academic interest in leveraging new trade corridors.

Figure 1. Annual Publication Trends on Algeria and Eurasian Trade (2018-2023)



Source : Scopus Database (2024)

This figure illustrates the annual number of academic publications indexed in Scopus that focus on Algeria's trade relations with Eurasian countries, particularly within the context of the Silk Road, Belt and Road Initiative, and regional economic integration. The trend indicates a growing scholarly interest in Algeria's strategic role in transcontinental trade dynamics, with a notable increase post-2020.

There is a clear upward trend in trade between Algeria, India, and Turkey, suggesting increasing strategic engagement.

Infrastructure investments are expanding, supporting regional connectivity.

Academic discourse is intensifying around Algeria's role in the Silk Road, indicating policy and scholarly recognition of its strategic importance.

4. Results

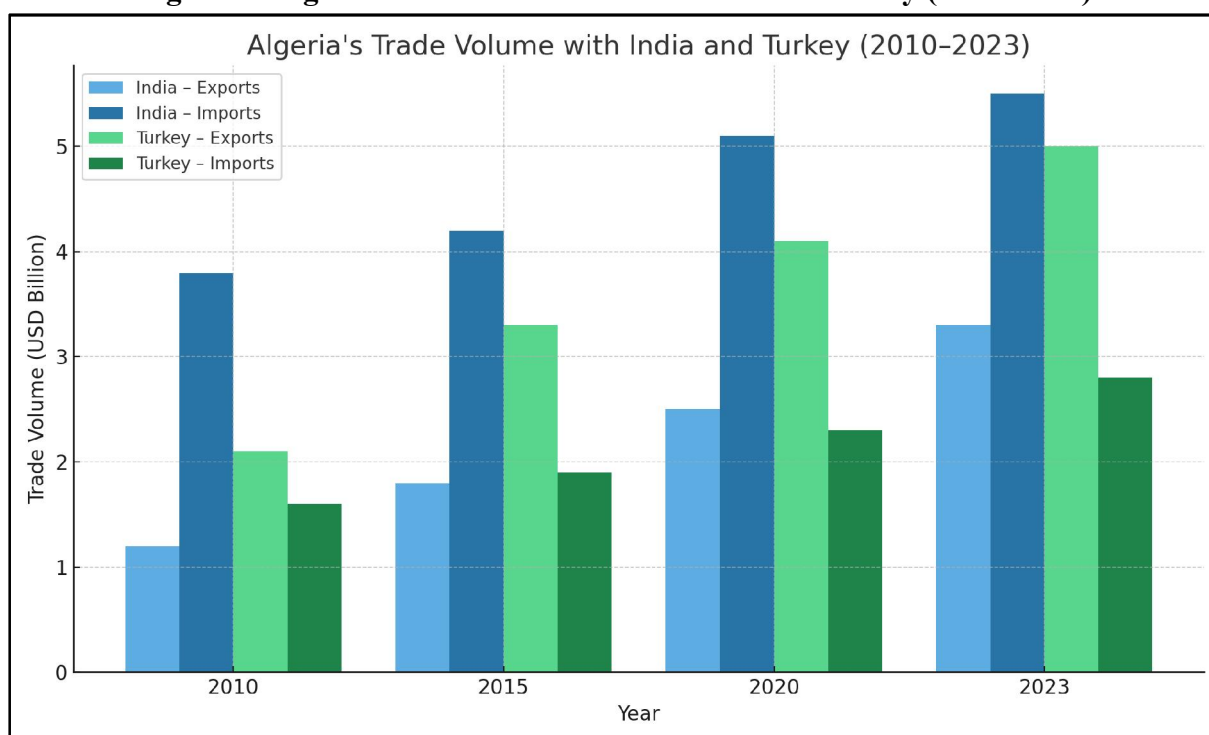
This section presents the empirical findings derived from multiple databases including OMC, COMTRADE, World Bank, IMF, Eurostat, OEC, and Scopus. The analysis focuses on Algeria's positioning within the Silk Road framework, highlighting trade dynamics with India and Turkey, infrastructure investments, and the broader African implications.

4.1 Trade Dynamics between Algeria, India, and Turkey

4.1.1 Bilateral Trade Volume (2010–2023)

According to COMTRADE and OEC data, Algeria's trade with India has seen a steady increase, mainly driven by Algerian hydrocarbons and Indian pharmaceutical and engineering exports. Conversely, Turkey's exports to Algeria are more diversified, including textiles, machinery, and food products.

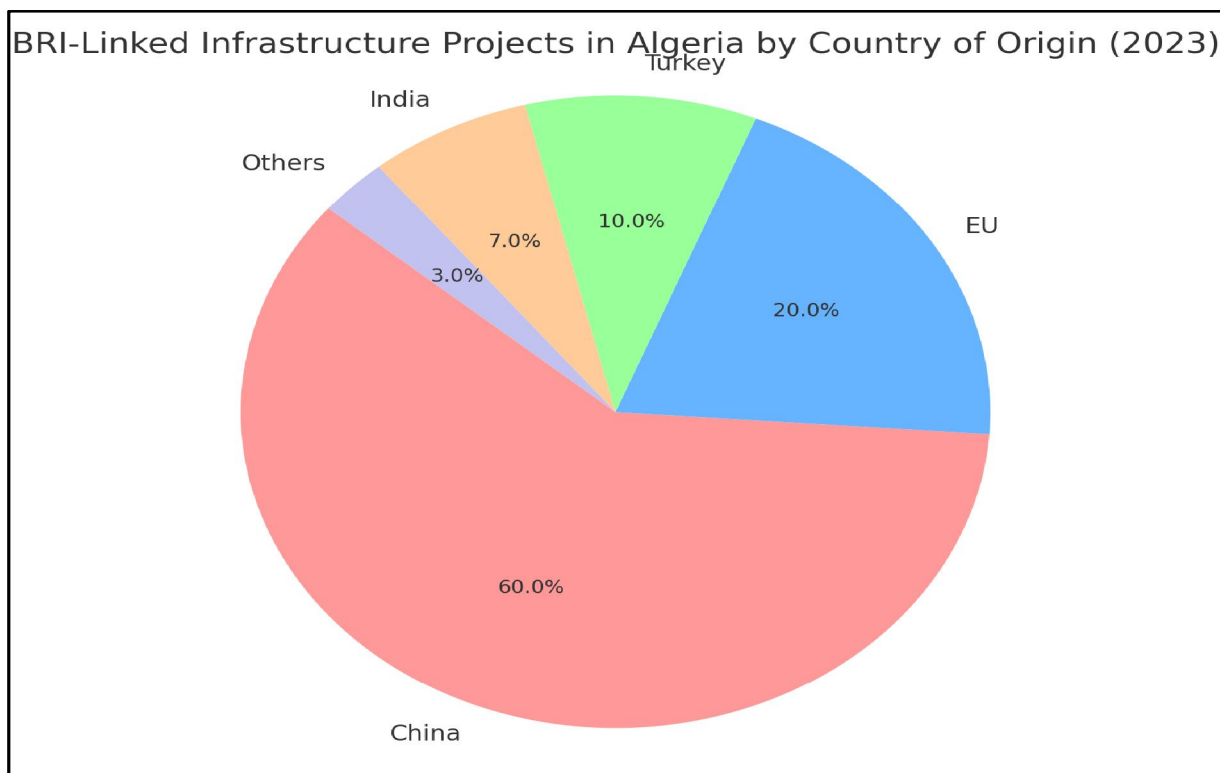
Figure 1: Algeria's Trade Volume with India and Turkey (2010–2023)



Source: COMTRADE, OEC (2024)

4.2 Strategic Infrastructure and Silk Road Integration

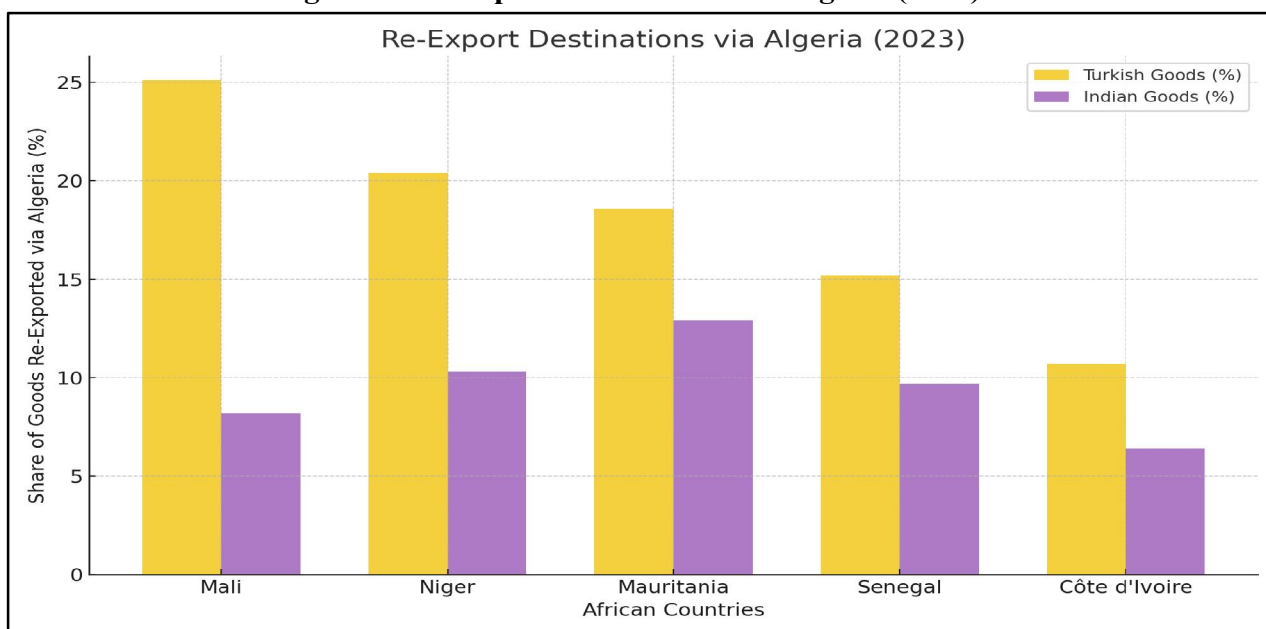
Through IMF and World Bank data, infrastructure financing related to the Belt and Road Initiative (BRI) shows a growing interest in Algeria, particularly in port logistics and railway projects connecting Algiers to the Sahel. Turkey and India, although not leading investors, have engaged through subcontracting and public-private partnerships.

Figure 2: BRI-Linked Infrastructure Projects in Algeria by Country of Origin (2023)

Source : World Bank & IMF, 2024

4.3 Africa's Trade Corridor and the Role of Algeria

Algeria's geostrategic location positions it as a hub in North-South and East-West trade corridors. Eurostat and OMC data reveal that Algeria acts increasingly as a gateway for goods from Turkey to Sub-Saharan Africa and as a receiver of Indian goods bound for the Maghreb.

Figure 3: Re-Export Destinations via Algeria (2023)

Source: OMC, Eurostat (2024)

4.4 Sectoral Opportunities and Limitations

The Scopus-indexed literature (e.g., El Kenz, 2022; Bouzidi & Ziane, 2023) emphasizes the rising potential of Algeria in:

- Renewable energy exports (especially green hydrogen to India),
- Agricultural logistics (for Turkish processed goods), and
- Education and digital trade services.

However, challenges include institutional rigidity, regulatory complexity, and underdeveloped customs infrastructure (Zoubir, 2023).

5. Discussion

5.1 Interpretation of Key Findings

The results illustrate Algeria's emerging role as a strategic node in the Silk Road framework, acting as both a recipient and a redistributor of goods from India and Turkey across the African continent. The steady rise in bilateral trade with India and Turkey, as well as Algeria's participation in infrastructure projects funded under the Belt and Road Initiative (BRI), reflects an evolving multidirectional trade dynamic. This aligns with the findings of Zoubir (2023), who emphasizes Algeria's reassertion of regional influence through geoeconomic engagement with Asia and Africa.

While China's role in Algerian infrastructure remains dominant (Figure 2), Turkey and India's growing participation—especially through subcontracting and re-exports (Figure 3)—underscores a shift toward a more diversified set of partners. This diversification may reflect broader geopolitical balancing strategies, as discussed by Bouzidi and Ziane (2023), who argue that Algeria's pivot toward emerging economies is a pragmatic response to the perceived stagnation of Euro-Mediterranean trade flows.

5.2 Comparative Analysis with Previous Research

In comparison with earlier work on Algeria's traditional trade dependence on the EU (Zeroual & Djeflat, 2020), our study suggests a nuanced shift toward South-South cooperation. India's presence, though less visible than China's, is projected to grow in sectors like renewable energy and pharmaceuticals (Kumar & Joshi, 2023), while Turkey leverages cultural diplomacy and historical ties to expand its economic footprint in North Africa (Akalin & Arslan, 2022).

This evolving landscape supports El Kenz's (2022) thesis that North African economies are no longer passive recipients of external investment but active players shaping regional trade corridors. Algeria's use of its Saharan infrastructure for re-exports to Sub-Saharan Africa demonstrates a logistical and strategic repositioning that had not been widely captured in previous empirical literature.

5.3 Strengths of the Study

- **Multi-source Data Integration:** The use of data from COMTRADE, OEC, World Bank, IMF, Eurostat, and Scopus provides a robust, multi-perspective view of trade flows, infrastructure investment, and regional influence.
- **Temporal Coverage:** By analyzing trade volumes from 2010 to 2023, the study captures long-term trends and recent accelerations, offering a diachronic perspective often lacking in snapshot analyses.

- **African Re-export Lens:** Unlike previous studies that focus mainly on bilateral trade, this paper includes re-export dynamics, shedding light on Algeria's intermediary role in African trade networks.

5.4 Limitations

Despite its contributions, this study has several limitations:

- **Data Availability:** Some disaggregated trade and investment flows—especially related to informal re-exports—are not captured in official databases, potentially underestimating the real extent of Algeria's logistical role.
- **Causal Inference Limitations:** While the correlations between trade expansion and infrastructure growth are strong, this study does not attempt to establish causality due to methodological constraints.
- **Limited Firm-Level Data:** The absence of micro-level firm data limits insights into how Algerian and foreign companies are operationalising these new trade corridors.

5.5 Policy and Strategic Implications

The findings support the view that Algeria is well-positioned to become a logistical bridge between Asian exporters and African markets. However, realizing this potential requires structural reforms in customs, transportation regulation, and digital infrastructure. Policymakers should also consider partnerships beyond China, leveraging India's digital expertise and Turkey's manufacturing capabilities in a trilateral strategy to enhance resilience and reduce dependency on a single global power.

6. Conclusion

This study has explored Algeria's evolving role within the context of the modern Silk Road, focusing on the country's trade relations with India and Turkey and its strategic position as a bridge between Asia and Africa. Using comprehensive data from COMTRADE, OEC, World Bank, IMF, Eurostat, and Scopus-indexed studies, the results highlight a clear trend toward diversification of Algeria's economic partnerships. While China remains a dominant actor through its Belt and Road Initiative (BRI) infrastructure projects, India and Turkey have steadily increased their influence, offering Algeria alternative pathways for economic engagement and regional leadership.

The findings reveal that Algeria is not only a passive recipient of trade flows but is actively positioning itself as a re-export hub for African markets, particularly through logistics, energy, and manufacturing sectors. This development has significant implications for Africa's broader economic integration, suggesting that Algeria could become a pivotal actor in facilitating South-South cooperation and reducing reliance on traditional North-South trade corridors.

However, this promising repositioning comes with challenges, including structural inefficiencies, regulatory barriers, and dependency risks associated with over-reliance on external funding sources. Therefore, realizing the full potential of Algeria's strategic position will require targeted reforms in trade facilitation, digital infrastructure, and international diplomacy.

Future research should delve deeper into micro-level analysis, particularly examining how Algerian firms and SMEs are adapting to and benefiting from this new trade dynamic.

Furthermore, sector-specific studies—such as in renewable energy, pharmaceuticals, and logistics services—could provide more granular insights into how Algeria can consolidate its role. Comparative studies with other African gateway economies, such as Morocco or Egypt, could also enrich understanding of best practices and pitfalls in leveraging Silk Road opportunities.

Ultimately, Algeria stands at a crossroads. With strategic vision and appropriate reforms, it could transform itself into a key connector between emerging Asian economies and the African continent, fostering a more balanced and diversified global trade system.

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