



New Rail Projects in Trans-Caspian Corridor

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Structure of Presentation

- Overview of Rail Routes and Importance or TCC
- Kazakhstan Rail Expansion Projects
- Cross Border Regional Rail Projects
- South Caucasus Rail Developments
- Future Projects and Strategic Impact

Rail Routes: Trans-Caspian Corridor (TCC)



Shipping companies look to alternative routes

Russia is highlighting the viability of its Northern Sea Route (NSR) following the six-day blockage of the Suez Canal by a stranded container ship. The NSR trims 4,000 nautical miles off the route via Suez

PANAMA CANAL

13,411 nautical miles
34 days 22 hours*

SUEZ CANAL

10,525 nm
27 days 10 hours

NSR

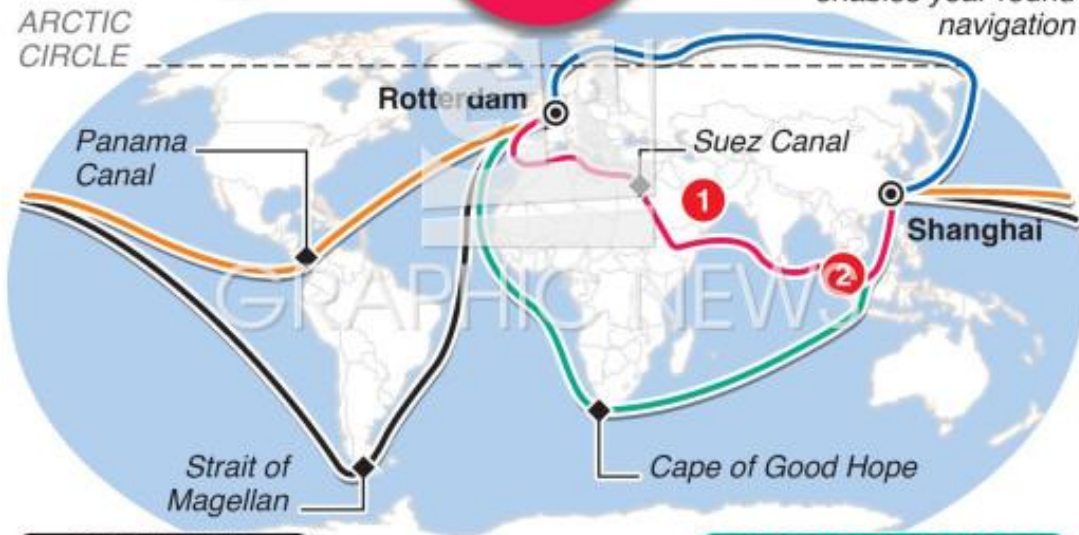
Claimed 6,500 nm
Approx 17 days
*Travelling at 16 nm/h

Cargo volume 2020 (tonnes)

474m tonnes

1.17 billion tonnes – 12% of world trade

33m tonnes
Receding sea ice enables year-round navigation



MAGELLAN

17,184 nm
44 days 18 hours

CAPE OF GOOD HOPE

13,843 nm
36 days 1 hour

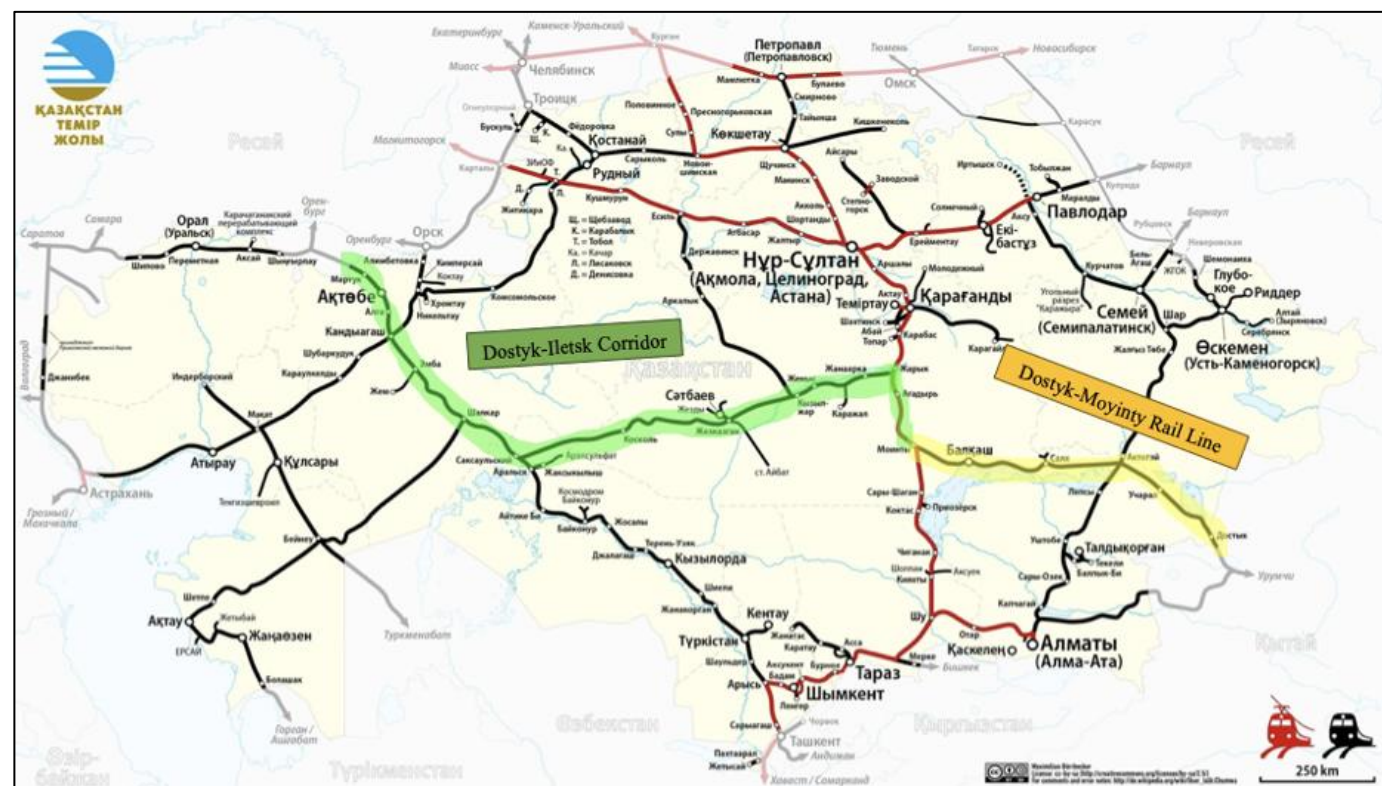
OTHER GLOBAL TRADE CHOKEPOINTS

1 Strait of Hormuz
167km long, 3km wide
Carries 25% of all seaborne-traded oil, 30% of world's liquefied natural gas

2 Strait of Malacca
900km long, minimum 2.7km wide
40% of global trade, 80% of China's crude oil imports

Alternative to Shipping Routes

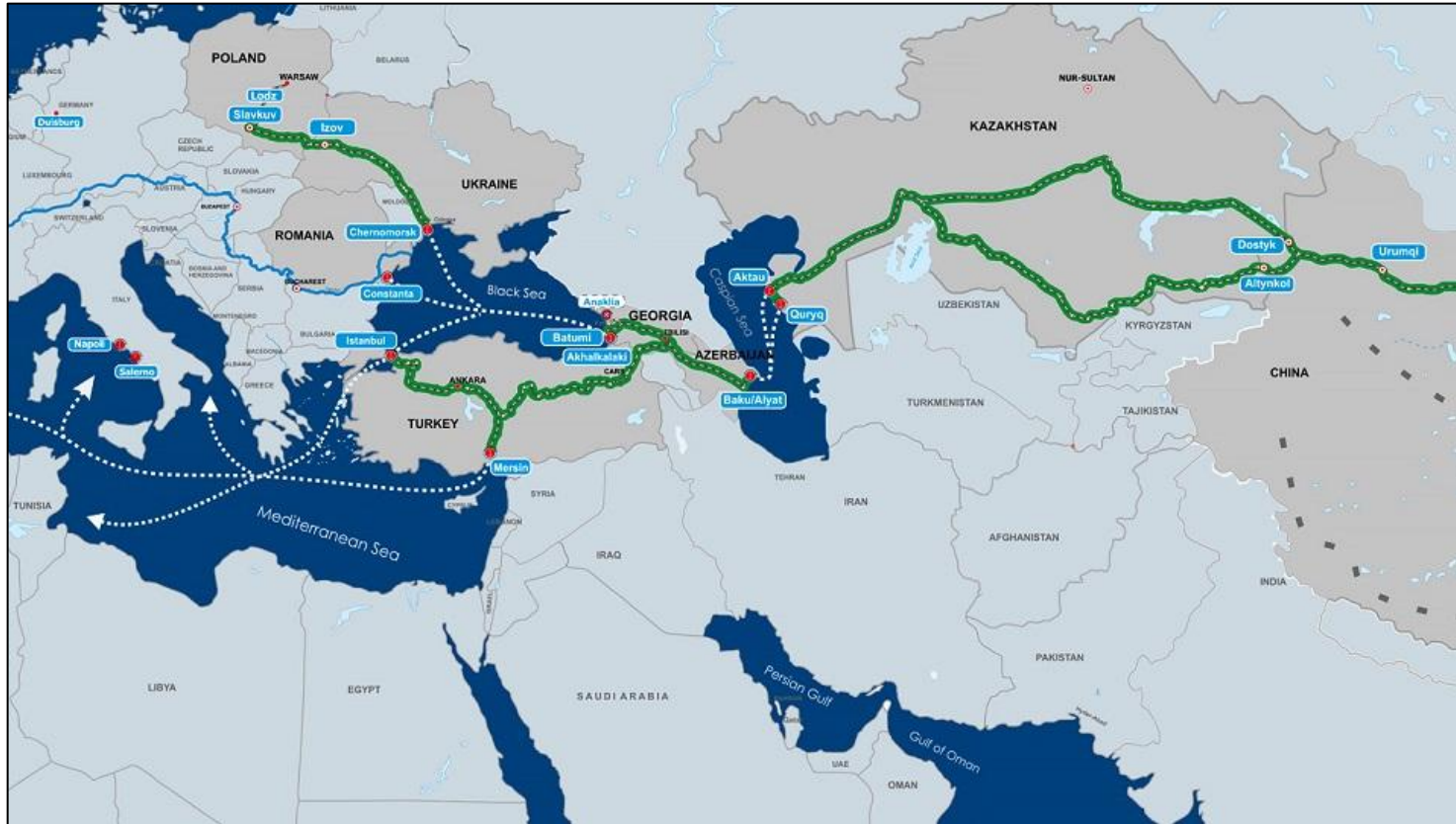
Kazakhstan Rail Expansion Projects



Kazakhstan Making significant investment in rail:

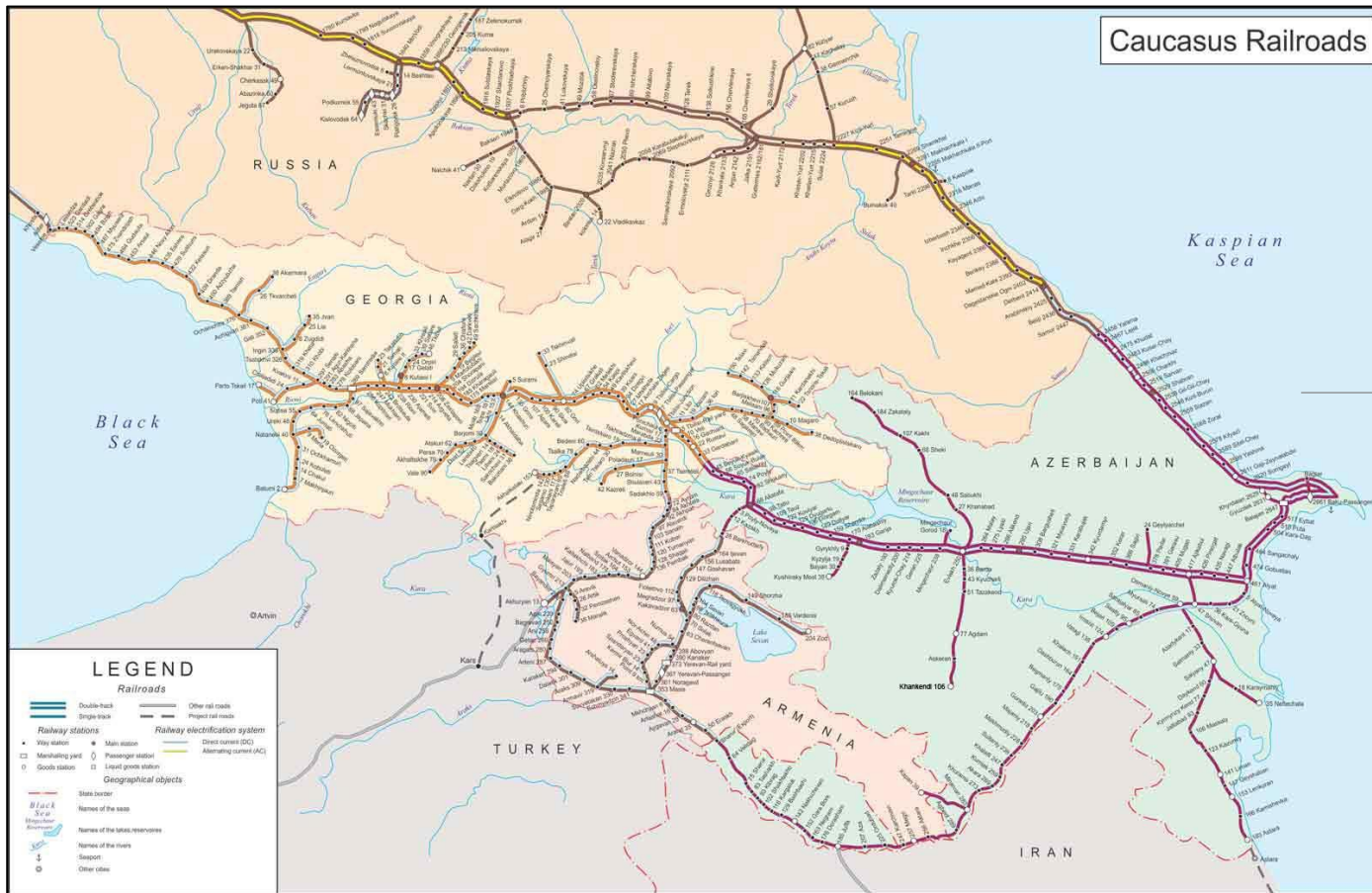
- Over 4,500 km of new and upgraded railway infrastructure planned
- Dostyk–Mointy second track increases freight capacity up to 5x
- Construction of Bakty–Ayagoz railway line (272 km) to ease congestion
- Almaty bypass railway to reduce bottlenecks and cut transit time
- Ongoing modernization of 1,700 km of existing rail lines
- Object is to become main transit hub

Cross-Border & Regional Rail Projects



Enhancing Regional Connectivity

- Darbaza–Maktaaral railway improves links between Kazakhstan and Uzbekistan
- Planned third railway border crossing between Kazakhstan & Uzbekistan
- Expansion of China–Central Asia rail connections via Khorgos and Dostyk
- Growing integration of rail systems across Kazakhstan, Azerbaijan, and Georgia



South Caucasus Rail Developments

Azerbaijan and South Caucasus Rail Projects

- Expansion and optimization of East–West rail links through Azerbaijan
- Increasing China–Azerbaijan freight rail services (rapid growth in container trains)
- Strengthening connections with Georgia and Türkiye via existing corridors
- Development of multimodal rail-logistics hubs linked to Caspian ports



Future Projects and Strategic Impacts

- Development of Trans-Kazakhstan Railway Corridor as a core backbone
- Integration with multimodal transport (rail + ports + ferries)
- Interoperability
- Rail-Ferry Links across Caspian Sea important
- Investments supported by World Bank, EBRD, EIB other international agencies
- One Belt-One Road project – China
- Expected outcomes:
 - Faster China–Europe freight transit
 - Increased trade volumes
 - Reduced dependency on traditional routes

Thank You

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