

B2Sea: Converged access - Phase IV

Expanding CSPs' ability to provide connectivity-as-a-service, through Artificial Intelligence, within an intent-based framework.



The solution:

Building on the previous three phases of this Catalyst, this project will further expand CSPs' ability to provide connectivity-as-a-service by harnessing additional connectivity options and AI within an intent-based framework. The resulting solution will help CSPs to better monetize 5G.



Addressing the challenge:

Seamless global connectivity through dynamic network slicing across 5G, satellite, and fiber enables uninterrupted operations for maritime vessels, regardless of location or access technology. Real-time service optimization ensures ultra-low latency for control systems and high bandwidth for video, dynamically switching slices to maintain performance even during network congestion or failure. Automated, end-to-end orchestration with TM Forum APIs and CAMARA/Open Gateway enhances operational efficiency, security, and adaptability across B2B2X environments. New revenue and service models are enabled via an omnichannel marketplace and private networks, accelerating digital transformation for maritime and port ecosystems.



B2Sea's most important direct benefits and potential impacts for the wider industry and society:

- (A) Significant cost savings
- (B) Enhanced operational efficiency
- (C) Improved maritime security
- (D) Positive industry impact: With 90% of the world's trade carried by shipping, improved maritime operations benefit multiple sectors
- (E) Environmental and regulatory compliance

These benefits highlight the transformative potential of advanced connectivity solutions for the maritime industry, driving efficiency, security, and sustainability.



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Business impact:

B2Sea reduces annual connectivity costs by over

\$20.1 million per cargo fleet

Champions:



Participants:

