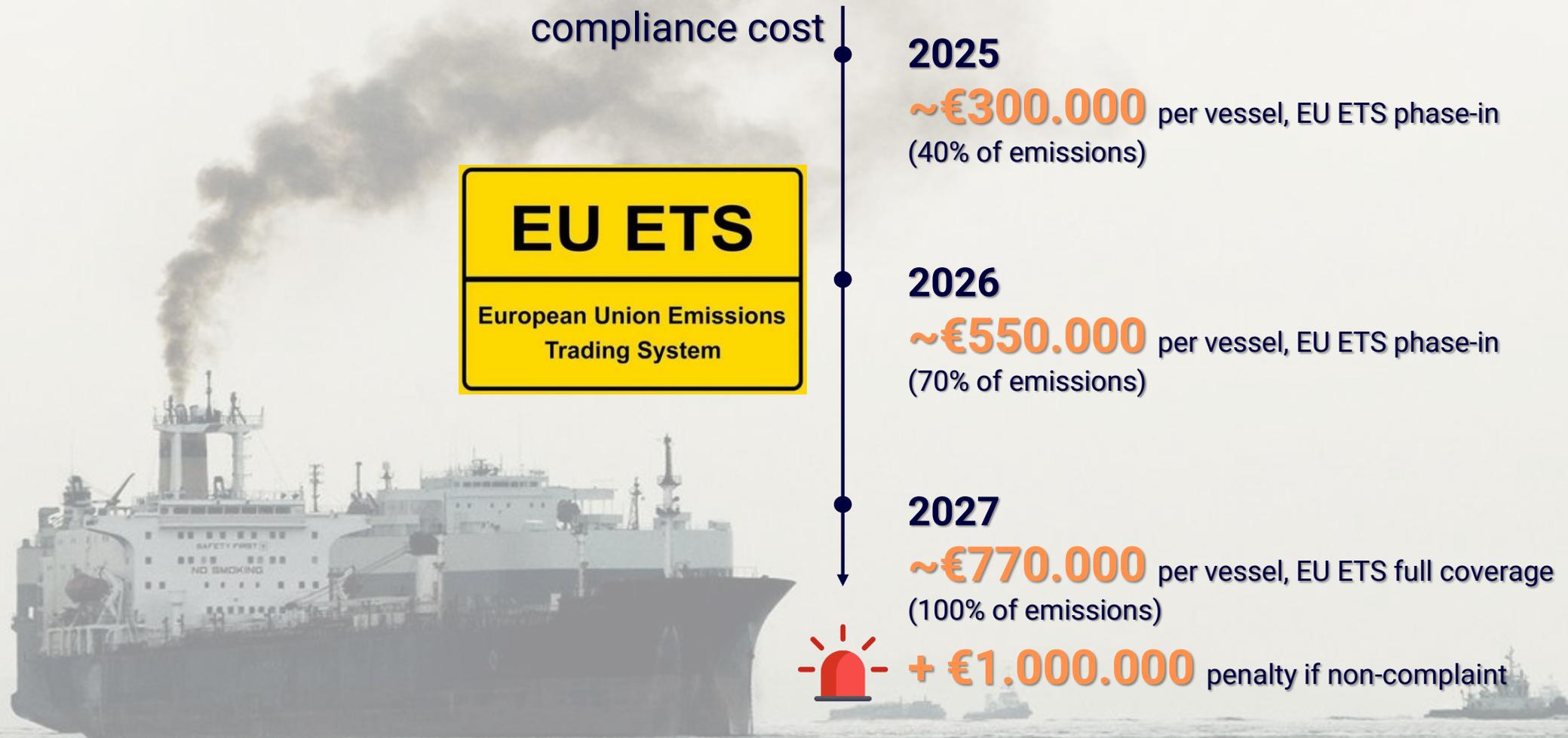


February 2026

The **cost** of doing nothing

Shipping emits **~3%** of global **Green House Gases**



The hidden **cost** of **marine weather uncertainty** in shipping

Safety and trust

- Up to **+220%** ship resistance
- Caused by rough sea states **not predicted**
- Leads to navigation risk, stress on hulls and **deviation from optimal routing**

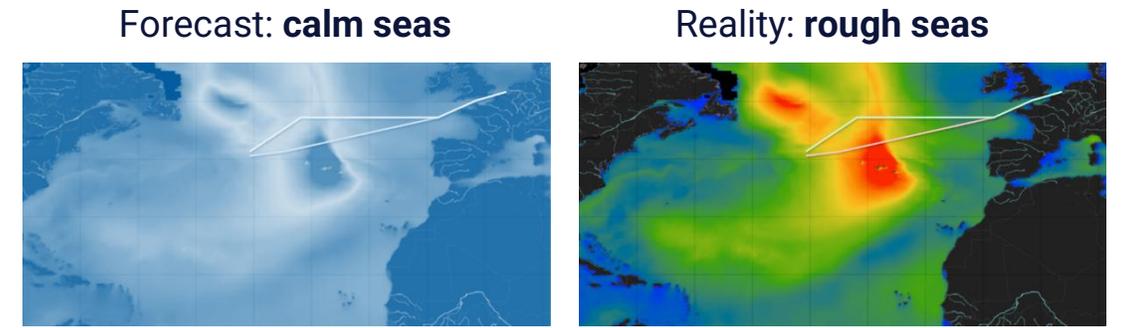
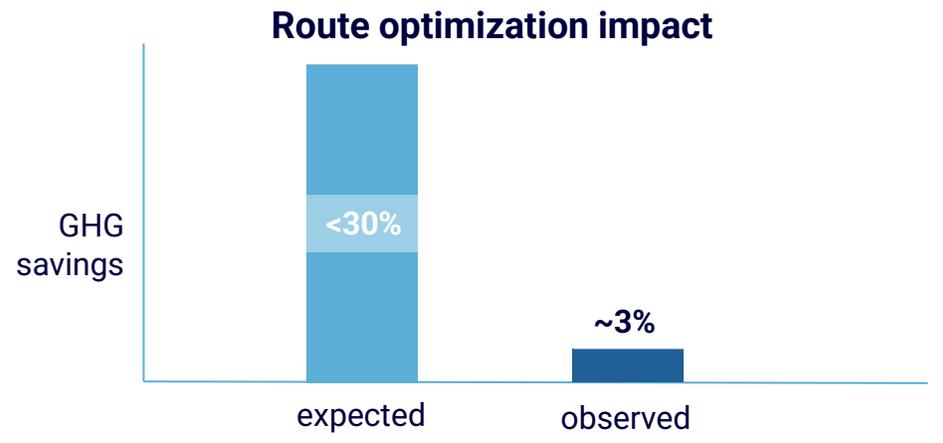
Fuel waste

+6,4% fuel/day from **misrouted voyages**

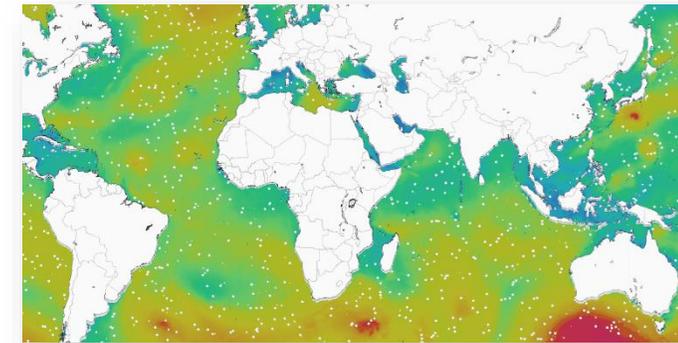
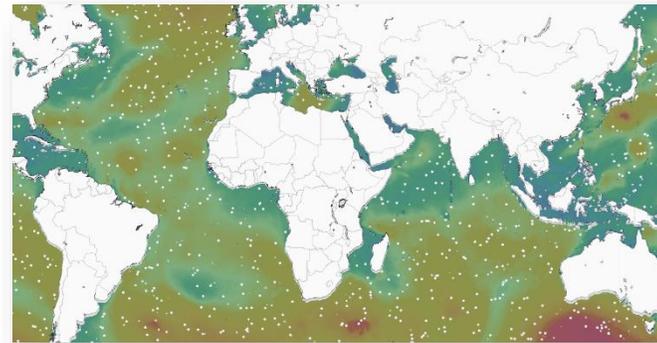
- For a 10-day transoceanic voyage
- **64 tons** of **extra fuel**
- **~€48.000** **wasted** (at €750/ton VLSFO)

Emission penalties

- Only **~3%** GHG cuts achieved in real ops
- **Missed potential** of up to **30%** mitigation
- **~3.000** tons **extra CO2** per vessel/year
- **~€230.000** **added cost** under EU ETS (2025 rate @ €76,75/ton; 10k tons CO2/year/vessel)

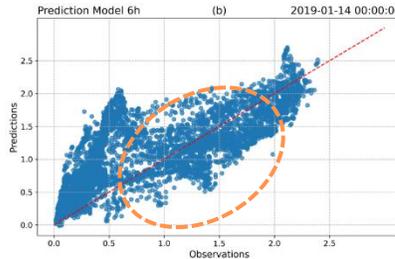
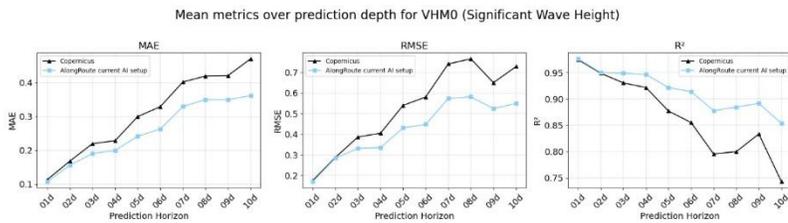


We provide **highly-accurate marine weather forecasts** to **increase stakeholders' confidence** in intelligent marine weather applications

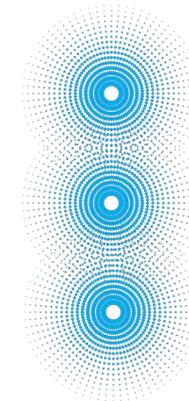


better accuracy

ground truth measurements/reanalysis

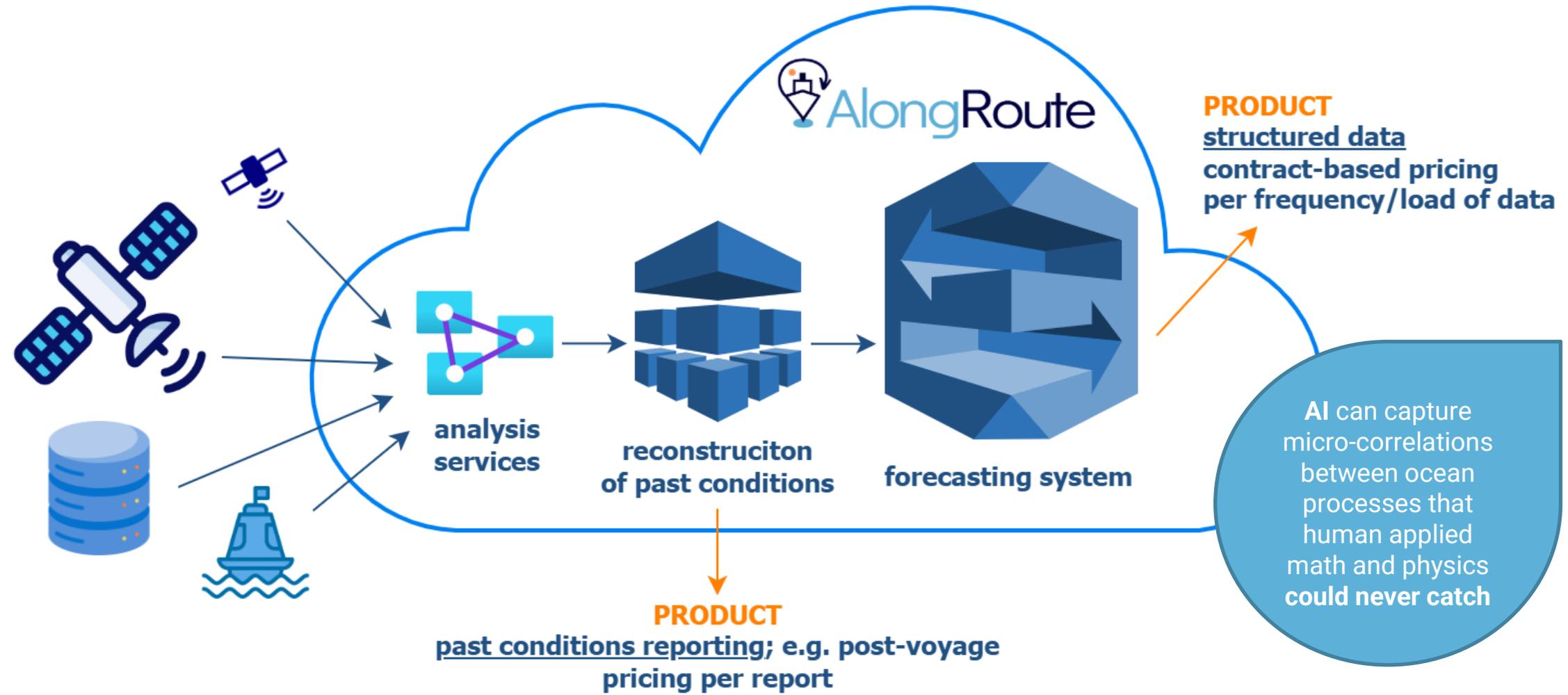


published results in
Procedia
Computer Science
by Elsevier

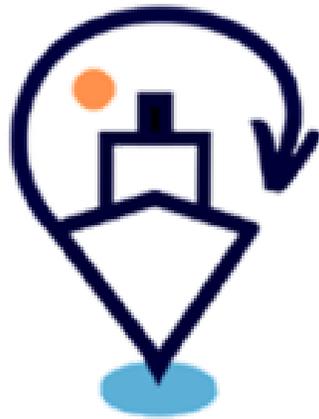


for intense sea states
over extended forecast horizons
in higher resolutions

We smartly integrate data from **reliable sources**, to **reconstruct past and present conditions at sea**; we then apply the most appropriate AI models in our forecasting system, to **accurately predict** critical oceanographic parameters in **high spatial and temporal resolutions**



Our **deep-tech** approach combining **AI/ML** and **big data** including **Earth Observations** outperforms traditional numerical models and **unlocks the full potential** of route optimization systems to significantly **reduce risk, GHG emissions and fuel consumption**



seamless integration



accurate input data for up to **130%+** better routing

130%+



Why it matters:

Better route suggestion leads to trust and smarter decisions



15%-25%



Example:

A standard vessel burns **100 tons/day**. On a **10-day voyage**, that's **1,000 tons**. With **15% savings**, that's **150 tons saved = €112,500** (at €750/ton VLSFO)



Example:

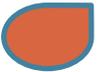
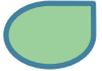
1.000 tons fuel saved → 3.150 tons CO2 avoided = €241.763 saved under EU ETS (at €76.75/ton)

10%-23%



All calculations based on 10-day voyage; 10k tons CO₂/year/vessel; VLSFO @ €750/ton; EUA @ €76.,5/ton. Sources: AlongRoute validation trials, EU ETS 2025 projections

We excel in **accuracy, resolution, efficiency**

							
Proprietary AI oceanographic models (waves, currents, wind)							
Global coverage with fine temporal (<10km) and spatial (<6h) resolutions							
Computational efficiency and green programming							
Near-real-time EO or measurement data assimilation and multiple daily cycles							
Published, peer-reviewed validation							
Proven accuracy for intense sea states and over long forecast horizons							
Deep interdisciplinary expertise in oceanography, AI and geomatics							
GHG impact driven							

Founders

Full-time team



Stergios Diamantopoulos, EIR
Environmentalist, MSc



Georgia Kalantzi, CEO
Oceanographer, PhD



Vasilis Alexandridis, CTO
Rural and Surveying Engineer, PhD (c)



Arturo Nicora, Advisor
Marketing, BSc/ Leadership, BSc



Apostolia Papadoudi, CFO
Environmentalist, MSc



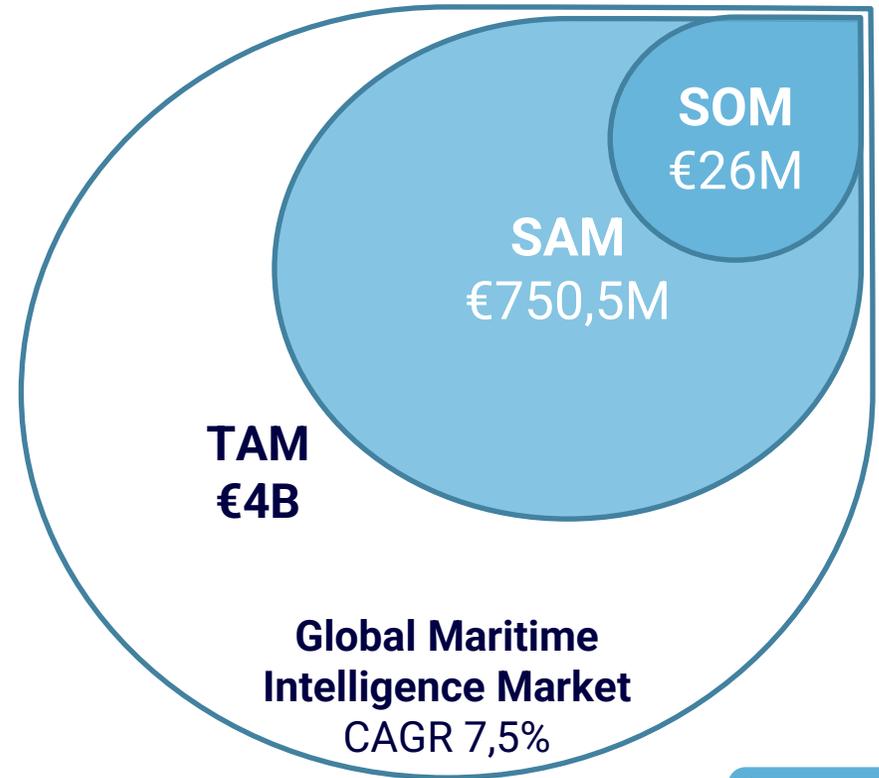
Pavlos Patsonis, AI Engineer
Physicist, MSc



Ageliki Stackiewicz, EO/Data Engineer
Rural and Surveying Engineer, MSc

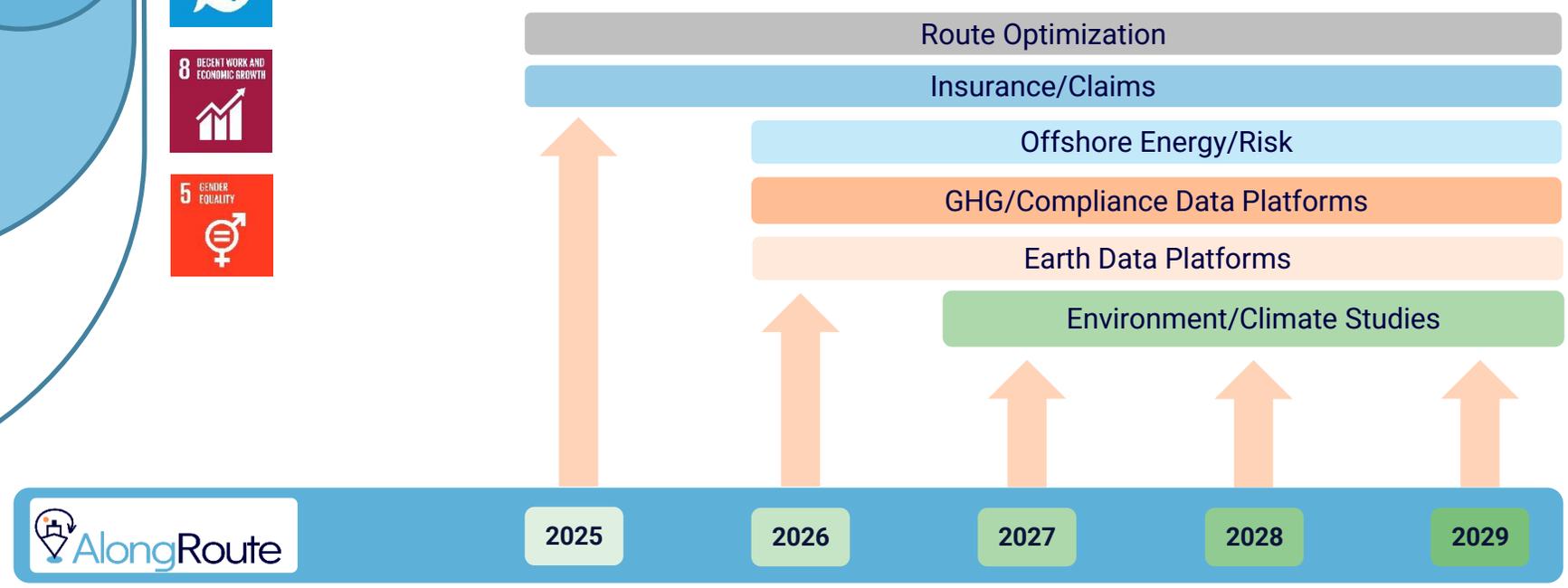


The team brings more than **90 years of combined experience** in business, innovation, oceanography, geomatics, AI, physics, remote sensing and data science.



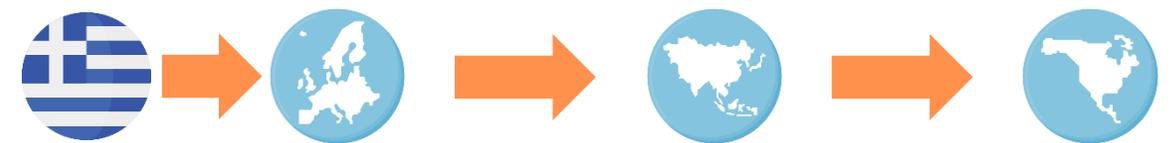
- 13 CLIMATE ACTION
- 14 LIFE BELOW WATER
- 8 DECENT WORK AND ECONOMIC GROWTH
- 5 GENDER EQUALITY

B2B model
Hybrid pricing based on data volume
Annual contract price €40K – €100K



First clients

Scale & Growth



R&D strategic collaborations, support and validation



est. 2022

PoC Prototype Regional MMP First clients

€237K non-dilutive funding secured

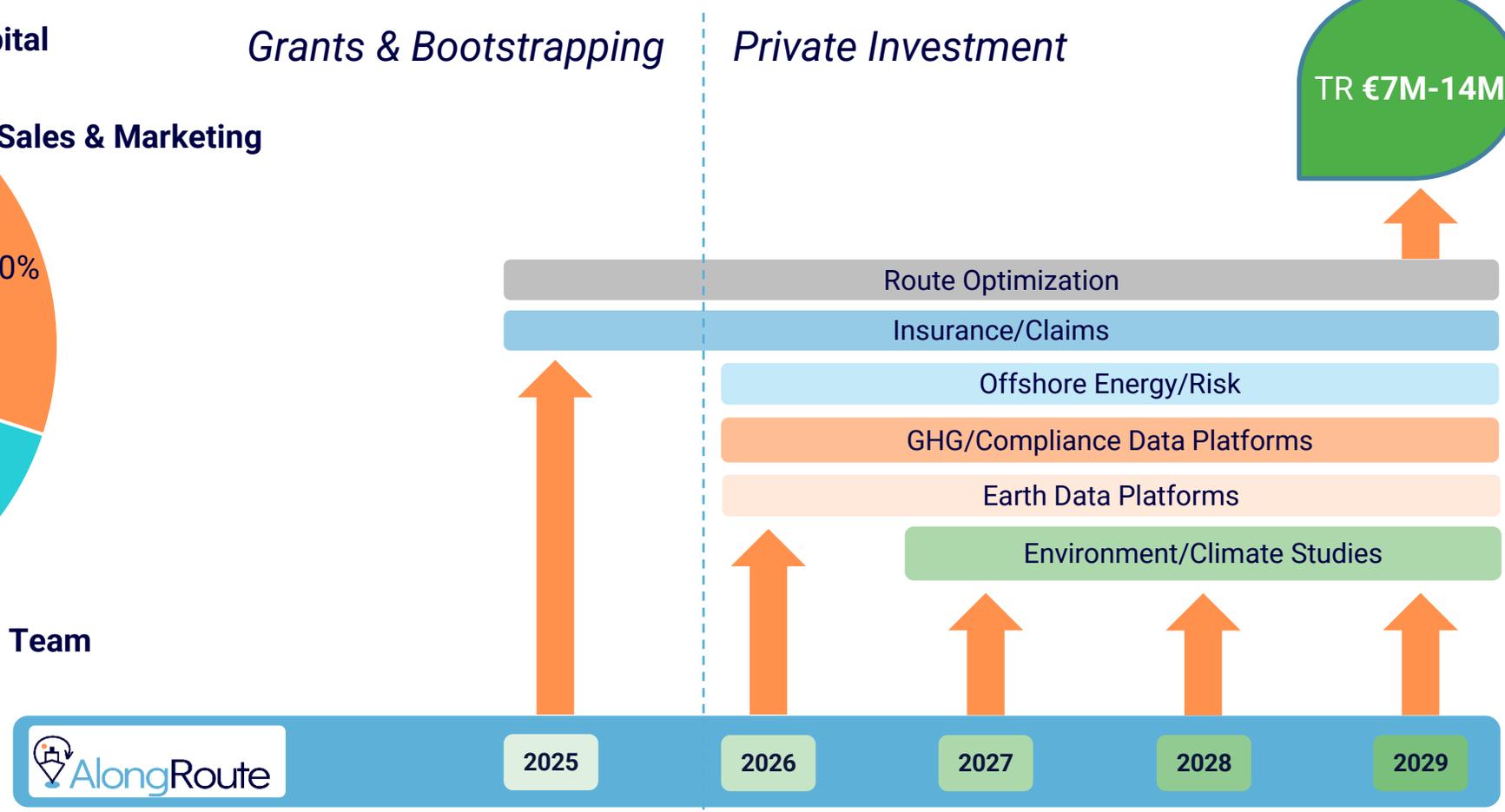




Grants & Bootstrapping

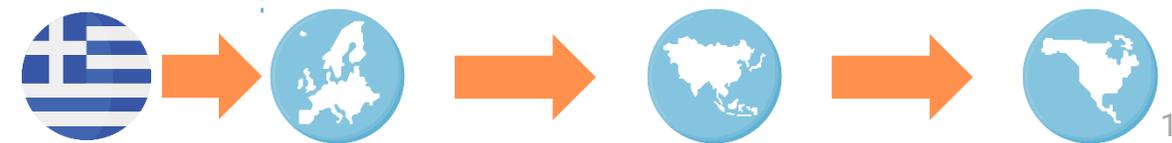
Private Investment

TR €7M-14M

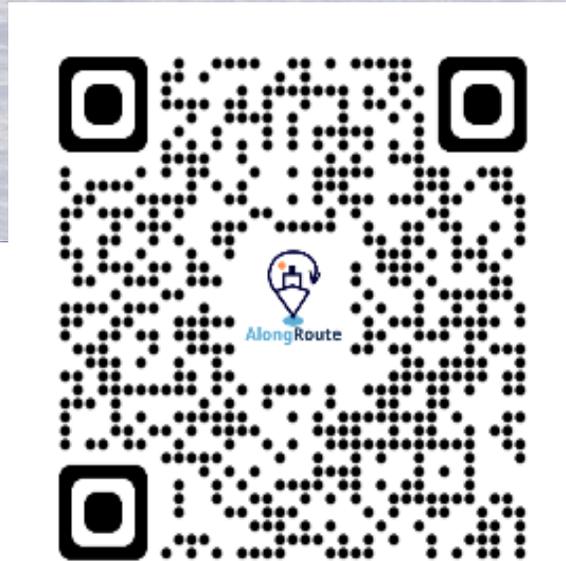


First clients

Scale & Growth



Let's navigate the green transition together



Team@AlongRoute.com