

Modernizing Fleet Operations Through Data Intelligence

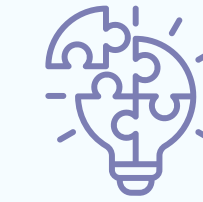


Business Problem



- Real-time vessel sensor data from heterogeneous fleets with inconsistent connectivity and reporting frequencies
- Critical planning processes, like route optimization, maintenance scheduling, crew rostering, and fuel management remained fragmented across systems and geographies
- Manual inspection data and operational records limited visibility into fleet performance and asset health
- Urgent need to improve operational efficiency while creating a scalable data monetization model

Solution



- Cloud- based insights for fleet management focused on and deployed for marine industry
- Data monetized by inhouse vessels, also offered as SaaS to third party large fleet operators — ‘bring your own data’
- ML model trained and deployed for prediction of maintenance and fuel consumption schedule
- Leveraged Snowflake for end-to-end data and reporting platform

Value Delivered



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|--|---|
| ✓ Planning Efficiency:
3x improvement in route planning and cost per NM, with 100% specialized crew utilization. | ✓ Realtime User / Insight:
80x increase in the number of users and insights available to operations crew. |
| ✓ Improve Safety & Compliance:
3x fewer compliance observations, along with 5x fewer incidents. | ✓ Operational Efficiency:
30% uplift in port turnaround time, on-time delivery rate, and vessel anchorage time. |



3X

Improvement in Route Planning Efficiency and Cost per NM



5X

Reduction in Incidents with Stronger Safety and Compliance Outcomes



30%

Uplift in Port Turnaround Time, On-Time Delivery, and Anchorage Efficiency