

Streamlining Maritime Payroll

DIGITAL TRANSFORMATION SPECIALISTS

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Success story

Peninsula, a global leader in maritime fuel trading and supply, faced operational inefficiencies due to manual processes and delayed data capture.

The Challenge

Manual Data Entry: Barge Masters having to manually document fuel 'Actuals,' leading to delays in invoicing and data inaccuracies

Disconnected Scheduling: manually printed fuelling schedules cause underutilisation of barge capacity and limited resource optimisation

Limited Connectivity: poor at-sea connectivity results in redundant data entry and operational delays

Scaling Constraints: the in-house development team is at capacity, delaying the time-to-market for critical digital solutions

The Solution

Following an extensive consultative engagement, Peninsula appointed Unipro to deliver a SmartBarge Proof Of Concept application using OutSystems low-code platform, to address critical inefficiencies with:

- **Connected Scheduling:** 24-hour scheduling view with drag-and-drop functionality
- **Integrated Systems:** seamless integration with on-premise databases for real-time data access
- **Mobile Functionality:** native iOS app for offline data capture and synchronisation
- **Streamlined Data Capture:** simplified interfaces for updating delivery details and upload of supporting photos
- **Connected Scheduling:** deliver a 24-hour barge scheduling view with drag-and-drop functionality for job assignments, accessible across desktop and mobile interfaces.
- **Data Integration:** seamless integration with the client's on-premise database to fetch and display fuelling schedules and order details.
- **Native Mobile App:** develop an iOS app for Barge Masters to receive delivery details, update 'Actuals,' and upload supporting photos, even in offline mode.
- **Secure Access:** enable secure login via Microsoft AD and local offline data storage, syncing with the central system upon connectivity

The Results

The SmartBarge POC proved the ability to transform maritime operations by automating workflows, optimising resource utilisation, and improving data accuracy. Faster invoicing and real-time updates will enhance customer satisfaction, while enriched MI and BI data supported better decision-making and operational efficiency.



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Big enough to deliver
Small enough to care

Transform Your Operations with Low-Code Expertise

Unipro's tailored low-code solutions help organisations modernise workflows, improve efficiency, and enhance customer satisfaction.

Contact us today to learn how we can enhance your testing processes.