

SAP LIQUID STUDIO FOR LEONARDO APPLICATION: MULTI-MODAL CARGO LOGISTICS

Connected terminal operations and maintenance

Function: Asset Management | Process: Asset Management | Industry: Transportation

Application Overview

Terminal operations and equipment maintenance are key pillars of port businesses. These activities have traditionally operated in silos, creating constant inefficiency and underperformance between maintenance and operations.

The Multi-Modal Cargo application is designed to help port operations managers address this challenge. It provides a consolidated view of operations as well as the state of assets.

Solution

This application aims to provide a powerful monitoring tool to port operations managers. It combines information from several sources, including Terminal Operating Systems (TOS), maintenance systems, and IoT sensors installed on equipment.



Business Value

- Provides an “all-in-one” tool to alleviate disconnect between operations and maintenance.
- Improves operations managers’ efficiency by providing a powerful dashboard to monitor port productivity.
- Improves asset lifecycles and reduces maintenance costs with proactive maintenance.

Features

- Overview/dashboard with port activity KPIs (e.g., port productivity, equipment utilization, average material moved).
- Real-time equipment state tracking with IoT sensors.
- Detailed equipment follow-up with predictive maintenance information.

Technologies in Use

- SAP Cloud Platform
- SAP Leonardo IoT Services
- SAP Leonardo Analytics
- SAP Plant Maintenance

