WHARFWISE

WharfWise is a flexible monitoring solution that provides independent diagnostics, validation, and oversight on the performance of critical wharf infrastructure. With WharfWise, you can:

- ☑ Mitigate the risk of parted mooring lines and damage to the deck

- ☑ Gain visibility of dynamic mooring loads and load distribution

- ☑ Optimise berth utilisation by validating and refining operational windows for moored vessels

- ☑ Improve tracking of asset and health utilisation to extend the operational life of critical infrastructure

Application

WharfWise can be used to monitor any combination of assets, spanning the full load path, including:
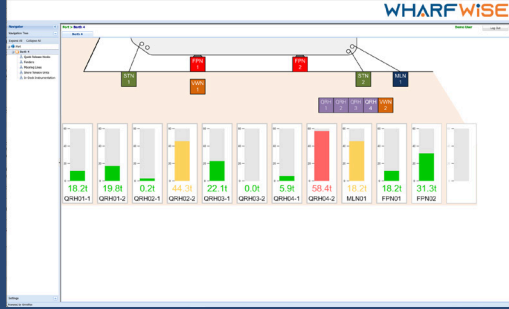
- Inline mooring load monitoring

- Quick Release Hook load monitoring and remote release via mobile phone / tablet

- Fender load monitoring

- In-deck concrete strain monitoring

- Dolphin movement monitoring

AMOG Omniflex

How we work with you

AMOG, in partnership with remote monitoring specialists, Omniflex, can supply WharfWise for new or existing port infrastructure as a turnkey monitoring solution. This includes:

- Working with the port operator to identify critical assets to monitor

- Specifying sensors and instrumentation to capture loads, at suitably high sample rates to ensure peak load events are resolved

- Using field-proven WharfWise sensor nodes for data capture, edge processing and telemetry (mains and battery-powered options), or custom-designing sensor nodes for bespoke applications as required

- Designing a site-specific telemetry system to support high-data throughput and coverage across the entire berth and transmit data to the cloud (or store locally to meet IT security requirements and/or provide input to existing port SCADA system)

- Providing a real-time online monitoring interface with configurable user permissions for remote or restricted local access as required

- Providing a standalone, customised iOS or Android application for Quick Release Hook load monitoring and remote release (i.e. by marine pilots during vessel unberthing)

- Providing alerts functionality to automatically notify nominated personnel (via email or SMS) when loads exceed preset thresholds

- Supply of all sensors, sensor nodes, cabling, gateways, antennae and backend infrastructure

- On-site installation and commissioning of the WharfWise system and training of end users

- Ability to remotely balance system throughput and adapt sensor sampling rate to increase endurance in battery-powered sensor nodes

- Providing remote support and configuration of the WharfWise system

WharfWise Monitoring Portal Features:

- Global overview of wharf utilisation

- In-depth data analysis

- Fully searchable logs

- Real-time alerts

Scan here for our website and to download a copy of this brochure.

Get in touch with us to find out more about how WharfWise can help improve efficiency and safety in your port operations. Contact AMOG's Digital Team at:

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