



PROPELLER

BY MAGELLANX 



Inventory Optimisation

PROPELLER is a mobile inventory management solution powered by IIoT, software and change management.

All in a seamless interaction – to improve inventory accuracy and visibility of maintenance assets. The PROPELLER solution puts user experience first and is PMS/ERP agnostic.



Industrial Inventory Management

The Heavy Industries suffer from lagging digital adoption, inaccurate data and lack of standardisation across inventory management platforms.

Source: Expert interviews, PROPELLER research

80%

Proportion of SKUs with inaccurate data

> 30%

Excess spares held

100+

Days / year wasted per site

> \$100k

Yearly in missed procurement opportunities per site

Industry Pain Points

Tracking - Reconciliation

- No reliable collection of inventory data
- No spares lifecycle tracking
- No fast stock reconciliation
- No real-time records of goods delivered
- No digital equipment manuals on hand

Lack of Visibility

- No real-time views of inventory movements
- No site-wide inventory distribution insights
- No accurate & predictive consumption analytics
- No PO status monitoring



Rugged, mobile tablet

- IIoT tracking of spares' lifecycle
- Find misplaced spares with RFID radar
- Faster stock reconciliation
- ERP synchronisation
- Offline mode
- Intrinsically Safe (non-RFID) tablet available



RFID short range- QR Tags

- Unique IDs linked to all spares in inventory
- Defined storage locations
- 100% of the inventory can be covered and accounted for



RFID long range - Beacon

- Unique IDs
- Long range tracking
- Water and temperature resistant
- Rugged design
- Monitoring in-house and in transit
- Optimised for metal equipment



AI/ML powered Analytics

- Consumption and predictive analytics
- Actionable insights
- Usage analytics and activity monitoring
- Accurate inventory views
- Real-time updates
- PO status monitoring



Benefits

Efficiency

- More visibility of parts through tracking onsite and over multiple storage locations
- Massive time savings on stock reconciliation through leveraging RFID technology
- Faster finding of misplaced parts
- Automatic update of underlying PMS/ERP system to keep inventory information up-to-date

Finance

- Freeing up bound capital from overstock
- Avoidance of extra costs through urgent orders
- Avoidance of downtime costs through accurate inventory data
- Improved forecasting of demands to optimise budgeting

Compliance

- Reducing carbon footprints
- Reducing urgent orders and thus cut down on unnecessary transportation
- Detection of bulk ordering opportunities to aggregate orders in fewer shipments

Contact Us

Magellan X Pte. Ltd.

83 Clemenceau Avenue #17-05, UE Square, Singapore 239920

magellanx.co | contact@magellanx.co | +65 6721 3023