D-JMILS
Digitalised Joint Modular Intermodal Logistics System

D-JMILS supports the integration of Automatic Identification Technology on any intermodal logistics platform

Asset Management and Visibility

Joint Modular Intermodal Logistics (JMILS) is a series of modular, intermodal, scalable and interconnectable logistics packaging and platforms designed to move efficiently through the Defence supply chain on Army's and are compatible with Army's medium and heavy vehicle fleets.

Digitalised Joint Modular Intermodal Logistics Systems (D-JMILS) D-JMILS involves the Integration of location and condition monitoring sensors on ECLIPS's logistics packaging and cargo carrying platforms using RuBee magnetic communications. Asset data is sent using integrated 4G/LTE, Iridium Satcom, WiFi modems or tactical radio networks direct to a User Interface that can be installed on-premise or provided as a cloud service. D-JMILS software can be integrated with selected ERP and Battle Management Systems to provide improved situational awareness and decision support across the global supply chain.

Fitting AIT tags to stores and equipment secured within Hammerstone's D-JMILS reduces the manual labour required for asset counting and management. The information generated through this digitalisation can be integrated with SAP, facilitating knowledge-enabled logistics management throughout the entire supply chain, from strategic to tactical nodes. This approach will ensure total asset visibility throughout the supply chain, including during shipping and transit.

Integrated Logistics with IoT

D-JMILS uses wireless visibility and sensor tags that are integrated into an Automated Identification Technology (AIT) solution that provides weapon end-use monitoring, automated audits with field proven 100% read rate, issuance, and exit/entry detection.

The D-JMILS system offers In-Transit Visibility (ITV) enabling the transmission of cargo data and providing location and condition monitoring over cellular, GPS, WiFi, and Radio Frequency systems.
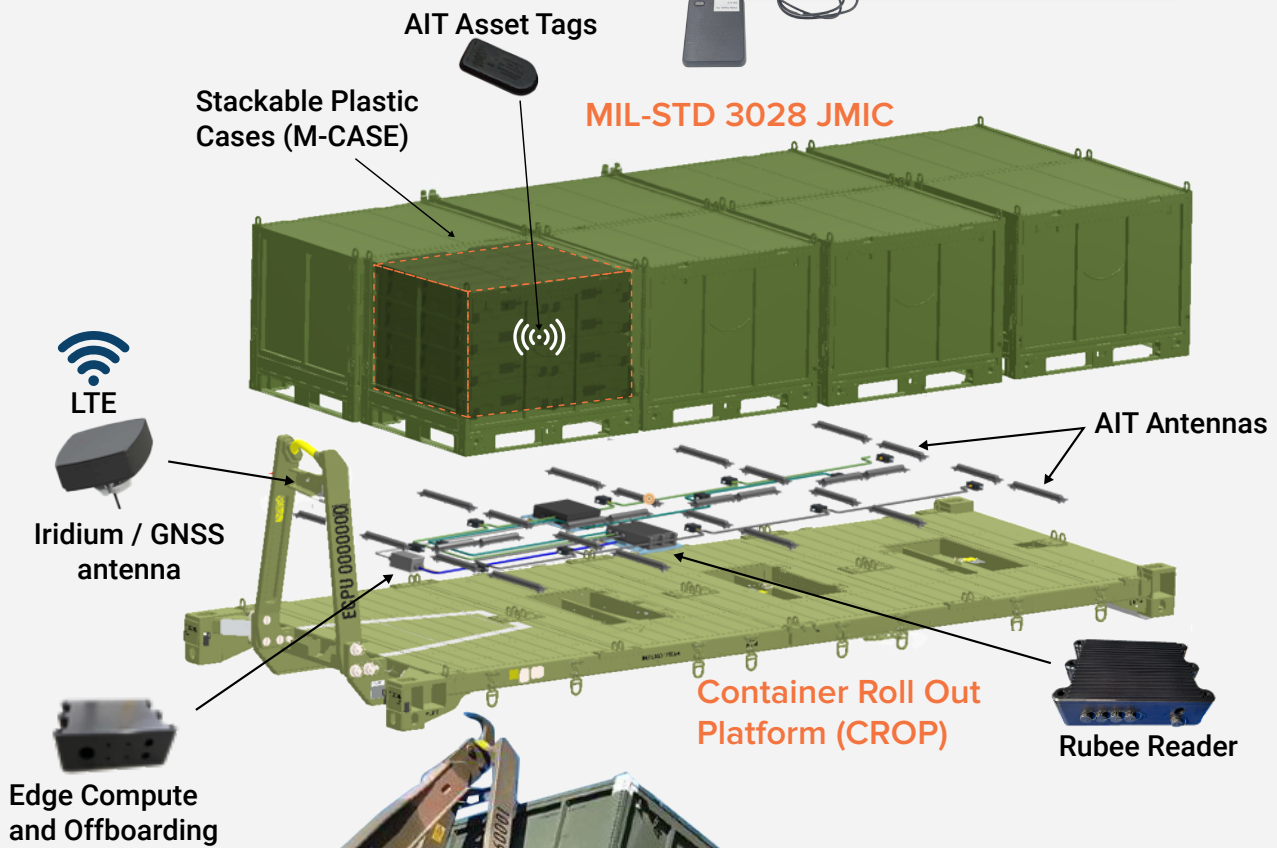
Our network is security-designed to achieve accreditation for use in secure private networks. and includes graphic user interface and dashboard reporting.

The D-JMILS AIT solution is compatible for integration with common ERP systems allowing information inputs to Logistics Common Operating Picture (LogCOP) and Decision Support Systems (DSS).

LTE/Satellite/GPS Asset Tracking

Internet

ITV Data

Enterprise Resource Planning (ERP)

AIT Asset Tags

Rubee Reader

Iridium / GNSS antenna

Edge Compute and Offboarding

D-JMILS solution at a glance

The aim of D-JMILS is to enable adaptive and focused logistics support through a digitalised and integrated packaging solution in order to improve equipment Operational Availability rates and reduce Through Life Support costs.

AIT Asset Tags

Stackable Plastic Cases (M-CASE)

MIL-STD 3028 JMIC

LTE

Iridium / GNSS antenna

AIT Antennas

Container Roll Out Platform (CROP)

Rubee Reader

Edge Compute and Offboarding

HAMMERSTONE

Innovative technical solutions for digital supply chains

Core Capability

Hammerstone is an Australian, veteran-owned engineering and Integrated Logistics Support business developing solutions for digitally integrated supply chains and autonomous systems.

Hammerstone develops solutions to improve productivity, performance and safety across customer's equipment fleets and logistics operations.

Focus on digitally integrated supply chains:

- Sense and Respond Logistics (S&RL) / Predictive Logistics
- Asset and In-Transit Visibility (ITV) System
- Condition-Based Maintenance (CBM+)
- Vehicle Information Management Systems (VIMS)
- Health and Usage Monitoring Systems (HUMS)
- Autonomous Systems (Re-Arm, Re-Fuel, Re-Load – Combat Supplies)
- Unique Identification (UID) & Automatic Identification Technology (AIT)
- Integrated Logistics Support (ILS) Services
- Asset Management

QSERC ISO 9001 · QSERC ISO 14001 · QSERC ISO 45001 · JAS-ANZ

www.hammerstone.com.au

1300 089 359

info@hammerstone.com.au