ONETIDE®

AIR - LAND - SEA - SPACE

Innovative Engineering Systems Design

Onetide is an award winning, highly innovative, 100% Australian owned and operated engineering company. With a track record of designing engineering solutions to complex problems for Maritime, Alternate Remote Energy, Defence, HADR, and Space sectors. We pride ourselves on demonstrating the measurable safety, time, cost, ROI benefits to our clients of our innovative designs.

Modular Mobile Storage Rack™ (MMSR) is a modular scalable ISO CSC certified Conex box system, complaint with ISO, AS/NZS, & intermodal standards. Initially designed to optimise ships husbandry with the ability to configure internal fitout.

MMSR™ multimodality includes but is not limited to; deploy/retrieve/store any item that requires spooling (Shore Power Cable, Flat-Fuel hose, umbilical, suction hose, hydraulic hose, hawsers, etc), climate-controlled (humidity & temp) Conex for expeditionary 3DP/AM, laboratories, field hospitals, Command & Control centres, etc.

MMSR™ is essentially the skeleton of Onetides UCS™ still enabling modular configuration to suit specific user applications without the need to modify an actual Conex box which voids CSC certification.

Key differentiators are; rapid construction due to the no-weld & flatpack design, mating capability with Onetides MissionDeck™ for rapid vessel seafastening, integrated pallet system enabling seamless supplier agnostic equipment interface, and crucially its ability to maximise internal Conex space through bespoke internal fitout and wall/door design.

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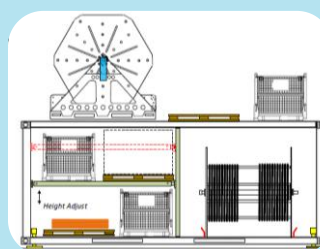
Standards & Certifications
- DISP
- ISO 90001:2015*
- ISO14001:2015 *
- ISO 45001:2018 *
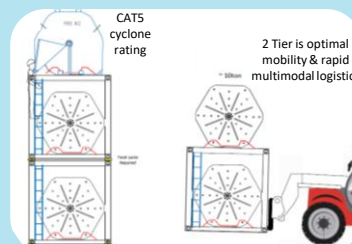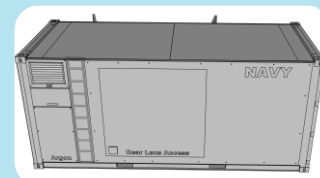- ISO27001:2017 *
- DNV2.22

*in progress

MMSR™
Reconfigurable Mobile Storage Rack & CSC compliant Connex Skeleton

Capability & Applications

- MissionDeck™ integration - vessel conversion/ transport.
- Stackable & flat pack transportable (no-welding).
- Construction & Mobilization agility during surge events.
- Fully reconfigurable, internals & cladding. (e.g.3DP/ AM Expeditionary Connex pod, Environment control, etc.).
- Universal design pallet, also for independent heavy load use. Has load lock capability & 3.3 USton rating.
- Bespoke Pallet options available (inc. shock absorption, cage adaptor, spooling, etc.).
- Spooled asset deployment/ retrievable/ storage for remote & locations with crane access restriction.
- Wharf congestion reduction.

Operational Configurations

Onboard Spooling

Internal reconfigurability

Storage optimization

Climate controlled cladding - 3DP/ AM Connex Pod etc.

Specifications
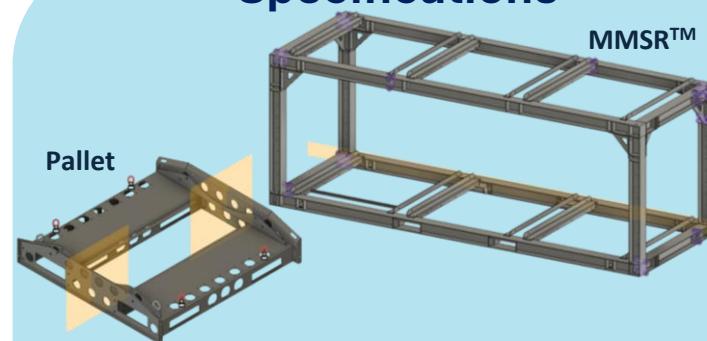
Pallet

MMSR™

System Component	Weight (ton)	Dimensions (m) L	W	H
7m MMSR	4	7	2.5	2.5
Multi-modal Pallet	0.3	1.9	1.9	0.3

MMSR standard sizes: 8, 10, 20ft, Bicon, Tricon, Quadcon Envelope & bespoke sizing available