

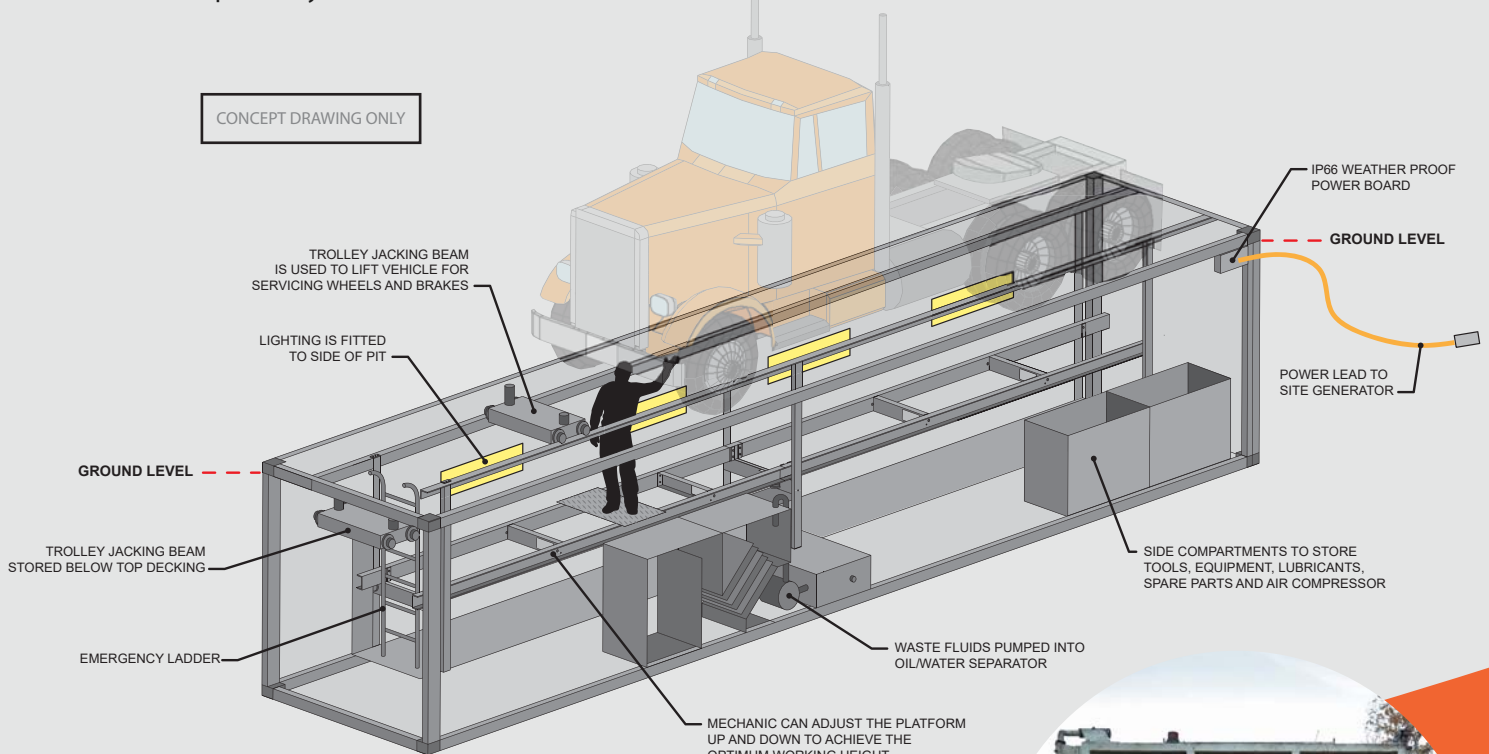
# Redeployable Workshop Facility with Mechanical Service Pit fitted with an Elevating Work Platform



The workshop facility is based on the dimensions of a 12m/40ft ISO container for easy transport and storage. Installed in the ground for drive-on application at terrain level, the sealed unit includes a service pit, storage/equipment compartments and waste recovery tanks.

The elevating work platform (EWP) installed in the service pit is controlled by a hand-held remote to adjust the height of the platform to suit vehicle undercarriage and technician height while working.

The EWP acts as a pit safety cover at terrain level when not in use.



## WORKSHOP FACILITY SUITABLE FOR

- Defence exercises
- Remote road work crews
- Mining exploration
- Remote construction

Developed and manufactured in Australia by

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## BENEFITS & ADVANTAGES

### Workshop facility

- Turn-key operation.
- Readily transportable in 12m/40ft ISO container format.
- Field ready in 2 days, no formwork or pre-concrete works required.
- Improves workplace safety, vehicles stay safely on the ground.
- Sealed sides and base of the facility contains workshop fluid wastes and spills.
- Low power consumption, powered by site generator.
- Custom-designed to suit any fleet, including equipment, storage requirements, waste recovery, lubricant dispensing system, customised jacks & lifting equipment.
- Suction release system for easy ground extraction.
- Cost effective, long-life asset with ability to re-deploy.
- Easily stored with equipment contained within the facility when not in use.

### Pit fitted with an elevating work platform (EWP)

- Increases workshop efficiencies - providing fast access to undercarriage of ALL vehicle types, with easy drive-on application.
- Platform height easily controlled by the hand-held remote transmitter while working. Adjusts to suit vehicle undercarriage and technician height.
- EWP can be used to lift and lower jacks, equipment and tools into place.
- Enables multi-level servicing at the same time without obstructions; underneath, side, top and internally.
- Tools, equipment and parts can be loaded onto platform with mechanic/technician.
- EWP in pit has proven to reduce servicing turnaround by up to 30%.
- EWP system is easily maintained and repaired by workshop staff.



Images above show the EWP in workshop situations

## SAFETY

### Workplace safety management

- Vehicles remain safely on the ground removing overhead hazards as with hoists, especially on uneven or unstable terrain.
- Pit is safely covered by EWP immediately after use.
- Pit ventilation automatically activates when EWP in use.
- All equipment within the pit facility is intrinsically safe to Hazardous Environment Standards AS/NZ 2430.3.2.2004 Class 1 Zone 2.
- Site contamination avoided with sealed facility sides and base.



## TECHNICAL SPECIFICATIONS

Each custom-designed facility is engineer-certified.

### FACILITY

External dimensions are based on a 12m/40ft ISO container 12m x 3m x 2.6m high.

Facility framework lined externally with Galvabond® side panels. Checker plate drive-on tracks on top. Fully sealed sides and base.

Framework structurally engineered to avoid need for formwork or on-site pre-concreting works.

External surface painted with 2pack epoxy paint to comply with EPA requirements.

Volume of earth to be excavated for install: 80m<sup>3</sup> for standard facility model.

Load (drive-on) capacity on facility: 8 tonne per axle as standard, can be upgraded if required.

Fork Lift pockets: standard 2000mm.

Storage/work bays: 15 @ 1250mm wide, 12m<sup>3</sup> total.

Power: 415V 3kW, powered by onsite generator

Internal steel work: primed and treated as per EPA.

Pit rail: for guiding heavy vehicle jacking beams or pit jacks.

Suction release system: expels air through valves in floor of facility.

Sump drains: 2, one at each end of the base.

### ELEVATING WORK PLATFORM (EWP)

EWP is based on a hydraulic-driven cable suspension system.

EWP Maximum Rated Capacity (MRC): 900kg, can be upgraded if required.

Platform flooring: steel flat plate or grated material.

Fabricated components: all surface treated with DuraGal® or 2 pack paint.

Platform travel distance: (approx) 1720mm.

EWP travel time unloaded (approx): 14 seconds up/18 seconds down.

Personnel access panels: 2 in platform floor to access pit base under EWP.

Access ladders: 2 swing-down ladders, built into underside of platform frame.

Ventilation fans: 2 installed into platform floor, auto activation/deactivation. Meets AS/NZS2430.3.2.2004 Classifications of Hazardous Areas, Class 1 Zone 2 for (1) volume of air replaced (0.8m<sup>3</sup> per second) and (2) safe electrical apparatus.

Electrical control panel: 415V 3kW for EWP includes radio remote receiver, emergency stop, secondary controls for EWP, isolation switch. Panel is externally mounted and connected after facility installation.

Hydraulic pump: 415V 3kW, externally mounted and connected after facility installation.

Hand-held radio transmitter: Planna NBB x 1, AS Category III specifications, powered by 2 x AA batteries.

### FIXTURES, TOOLS & ACCESSORIES

Emergency ladders: 2 fixed, one at each end of the pit.

Pit lights: auto activation/deactivation. Meets AS/NZS2430.3.2.2004 Classifications of Hazardous Areas, Class 1 Zone 2 for safe electrical apparatus.

Waste recovery system: triple interceptor oil-water separator and storage tanks (3), 1500 litres each.

Bilge sump pump: 2, air operated

Lubricant dispensing system: as per customer requirements, air operated.

Air compressor: as per customer requirements. Externally mounted and connected after facility installation.

Workshop accessories and equipment as per customer requirements eg. jacking beam, gearbox jack on trolley