

TECH SAFE SYSTEMS LTD

WORKSHOP & STORES CABINS



Workshop V2 2010



Tech Safe Systems Ltd, Shuttleworth Close, Gapton Hall Industrial Estate,
Great Yarmouth, Norfolk. NR31 0NQ UK

Phone: 0044(0)1493 444454

Fax: 0044(0)1493 603944

Email: info@techsafe.co.uk

www.techsafe.co.uk

Workshop & Stores Cabin



Description

The workshop is designed to provide facilities for maintenance and storage of spares and tools, as well as for personnel to repair Remotely Operated Vehicles (ROVs) and other items in a safe comfortable environment.

The workshop will be fabricated and fitted out to the required rating allowing these operations to continue safely in the required area on or offshore.

Standard workshop requests are for a non-pressurised area, accessed via double doors, fitted with heavy-duty workbenches and storage cage.

The workshop floor is usually durbar plate for durability and safety.

Electrical, - 110 volt industrial sockets.

Twin strip lights plus emergency light, smoke alarm and extractor fan.

We can design Workshops to client specification with requirements which can include a variety of options;

- Fold-down work benches ideal for ROV maintenance.
- Variety of workbenches, storage lockers, shelving, and tool racks.
- Storage racking is designed to be secure in transit and avoid displacement.
- Webbing & ratchet straps can be provided for items that require strapping in place for transportation.
- Access via double fold back container doors & optional A60 personnel door.
- Workshops for offshore should be designed and tested to BSEN 12079 or DNV 271.
- We can produce Safe Area, A60, Zone II or land based.
- Standard sizes are 16ft or 20ft shipping container dimensions, but we can produce other sizes up to 40ft length.

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Ideal for workshops and or stores for offshore or remote locations.



Secure, lockable cabins are fitted out to your requirement.

Work benches, storage racking, lockable cupboards, shelving can be configured to best suit the end use and space efficient planning of the workshop.

Stores racks can be fastened shut for transit.



Specifications for Workshop & Stores Cabin



GENERAL CONSTRUCTION

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Classification Options	Safe Area, A60, Zone II, ATEX Group II – Category 3G.
Build Standard	Purpose built offshore service container. Load tested, marked and certified to BS EN 12079 and DNV 2.7-1
Certifying Authority	Lloyd's Register of Shipping
External Dimensions	Standard lengths are 16ft (4880mm), 20ft (6096mm) & 40ft (12,192mm). Other sizes can be manufactured however they may incur additional costs and lead-times. Width & heights are standard 2440mm wide x 2590mm high (8 ft 6")
Structural Materials	Bulkheads will be 4mm corrugated plate. Flat plate available as an option.
Lifting Points	Fork lift pockets set into base, lifting padeyes to top corners. ISO corners to base. 4 leg sling and shackles bespoke to each build (optional extra).
Personnel Access Door	Outward opening, lockable A60 door, with 1900 x 850 mm opening.
External Protective Coating. Single colour to customer requirements.	Surfaces will be shot blast clean. Primer and Intermediate coating layers 2 part epoxy paint. Top coating 2 part Polyurethane finish. The roof to be non slip finish. Underside protected with bitumastic black paint.

INTERNAL CONSTRUCTION

Passive Fire Protection	Bulkheads, floor & deckhead are insulated and lined with heat and fire retarding materials to SOLAS A60 standard.
Walls and Ceiling	Lined with non combustible Cape wall board, covered with fire rated white Formica sheet.
Floor	DOT approved non slip & fire retarding certified vinyl Altro floor. Our colour recommendation is Twilight Blue.
Interior Layout	Can be designed in-house, bespoke to the Client's requirements.
Heating & Ventilation	Ventilation is provided by the cabin pressurisation / ventilation fan, via the inlet and exhaust duct.

ELECTRICAL

Cabin required supply	Electrical. 380 - 460 vac. 50 / 60 Hz. 3 phase @ 63 Amps. Neutral not required. Air. 80 to 120 PSIG. 2 Cu ft/min. (for pneumatic dampers zone 2 only)
Transformer	The cabin transformer is secured to the floor within an enclosure. Input: 380 to 460 vac.50/60 hz. Output:220 vac.@9 kva single phase.
<u>Electrical equipment.</u>	Cabin supply via the purge control unit into the electrical distribution panel.
415 volt supply	<u>415 Volt</u> AC three phase distribution panel
240 volt supply	<u>240 volt</u> AC single phase distribution panel with RCD protection

STANDARD SAFETY EQUIPMENT IN CABIN

Break glass call point, smoke alarm, fire extinguisher, Hager panel, ceiling mounted emergency light, photo luminescent fire exit sign, safety signs, cabin data plates.

OPTIONAL EXTRAS	Escape hatch, Free standing heater, Air conditioning, 19" Rack Rear Access. Rolling Rack System, Lifting Sling & shackles bespoke to the cabin
DOCUMENTATION	Master Paper version & CD version manuals. These include certification, product manuals and operating procedures. ATEX Compliance Documentation Packs where applicable.

Note: Specifications may change without prior notice.

**Tech Safe Systems design & manufacture a variety of Launch & Recovery Systems to suit observation and work class ROVs.
Please request or download the relevant data sheets.**