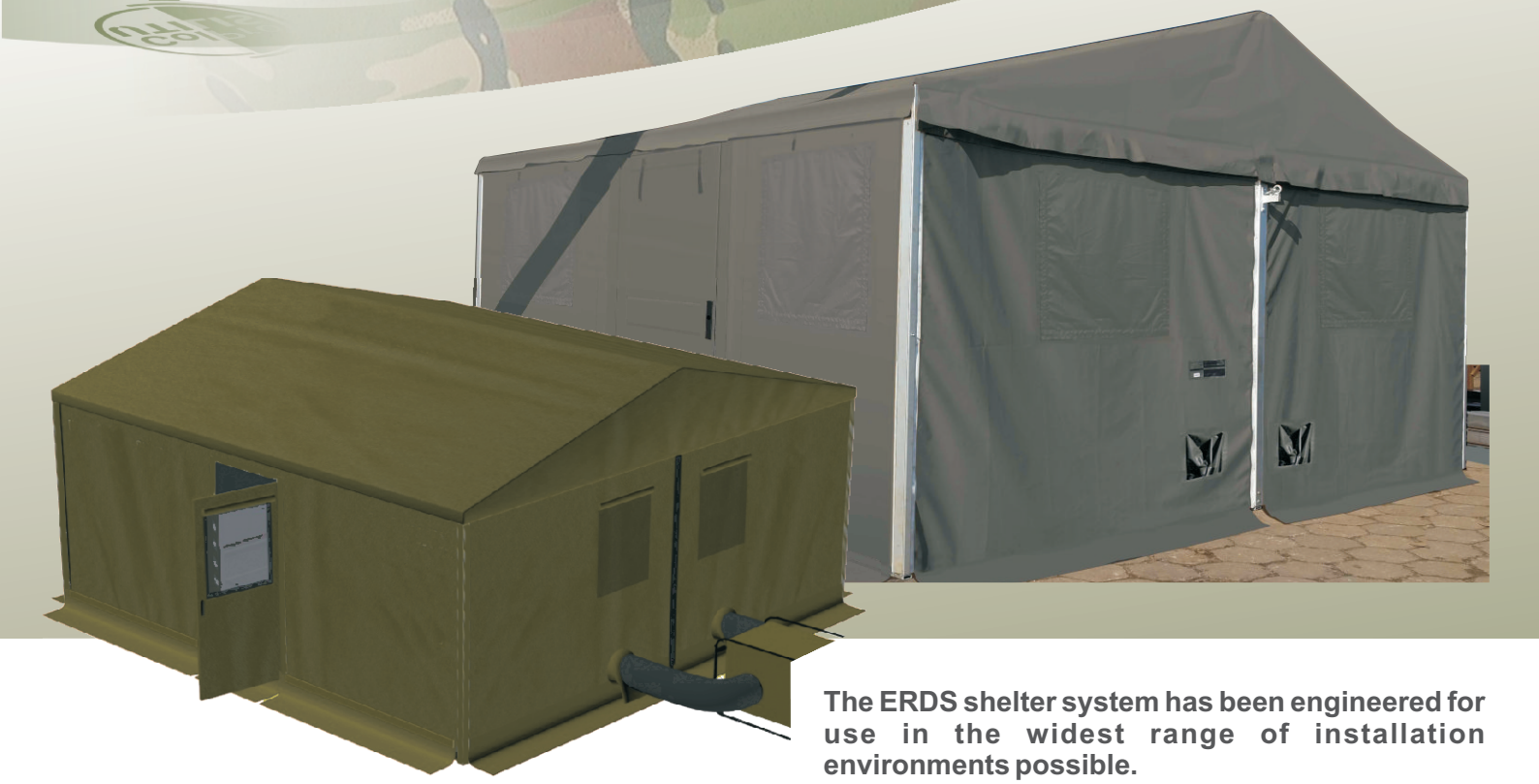
ERDS

Air Portable, Volume Deploy Expandable Shelter System

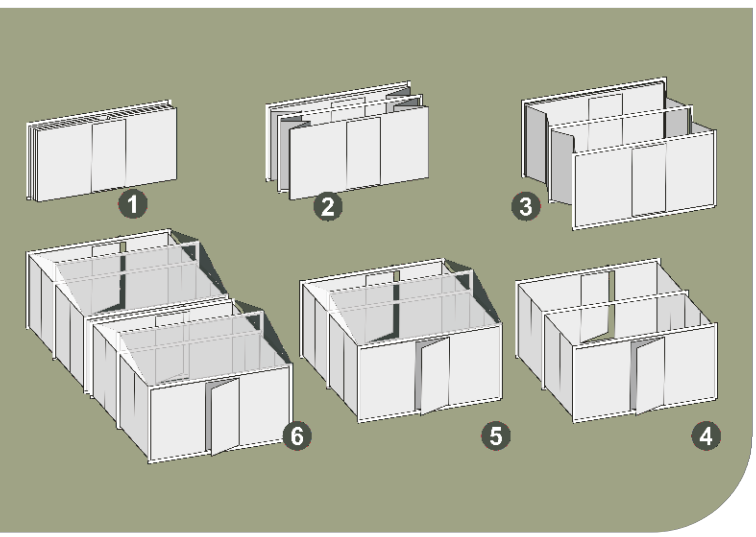
- Ultra-Rapid Deploy
- Extreme Resistance
- 463L Compatible

English



The ERDS shelter provides an entire new concept of instantaneous deployable accommodation, facilitating renewed principles of agility, reactivity and operational readiness with benefits of tactical air portability.

This hybrid shelter system carries has been configured to permit transport upon interlinked 463L pallets for air transport compatibility when supporting urgent operations. The shelter maintains the key benefits of both soft and hard wall shelter technology and shares the rapid setup credentials in line with the standard tent systems within our product range.



The ERDS shelter system has been engineered for use in the widest range of installation environments possible.

The strong, yet simple frame construction with pre fitted PVC canvas membranes provides excellent structural strength and environmental resistance with reliable sealing performance. The system benefits from extremely swift setup speed, permissible through use of mechanical handling equipment. A single driver and telehandler device equipped with an automated spreader bar attachment can deploy a single shelter to IOC (under cover) within 3 minutes. Alternatively, the same can be effected using a standard crane/ telehandler plus a team of four if expanded manually.

When deployed, the shelter can be lifted, moved and re-positioned using MHE due to its relatively lightweight construction. This allows multiple shelters to be aligned and positioned simply and with a high degree of accuracy, allowing ease of module inter-connectivity.

Each shelter uses a common expandable frame configuration which can then be tailored according to client requirements in terms of aperture sizes and positions, soft or hard walling panels and external colour schemes. Customisable door and window positions are available on each shelter vertical face, allowing utmost flexibility of system configuration, layout and role. All doors are lightweight, solid framed doors to ensure systems are suitably robust and correctly adapted to the rigours of medium-long term deployments.

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bsi. ISO 9001 Quality Management

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ERDS

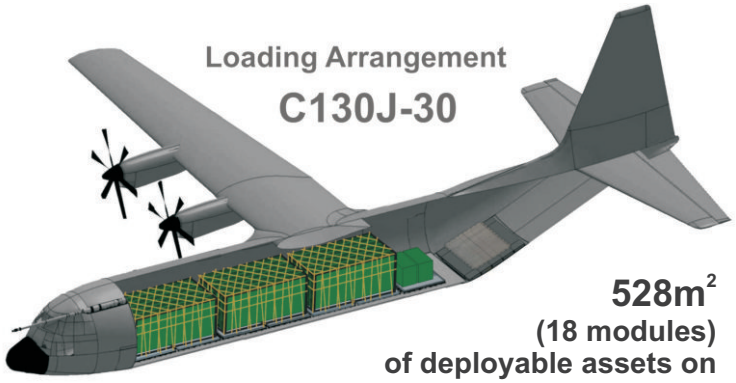
Air Portable, Volume Deploy Expandable Shelter System

- Interconnectable
- Hard or soft wall
- Flexible layout

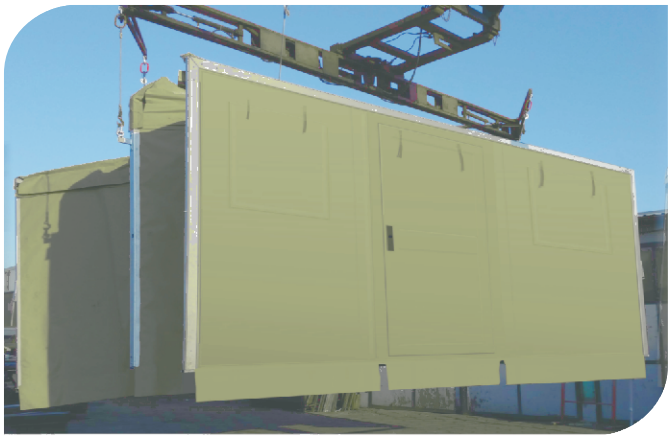
English

A telescoping PVC canvas roof arrangement ensures perfect roof tensioning and generous internal headroom whilst ensuring the systems flatpack to a thickness of approximately 260mm when in storage and transit.

This allows modules to be frame mounted on married 463L air transport pallets, or as suspended vertical flatpacks for road, sea and rail transport using a 20ft ISO envelope racked system.

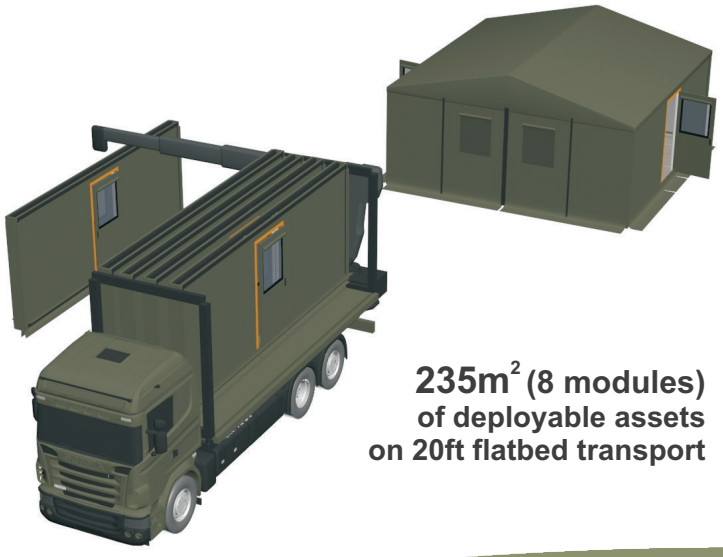


528m² (18 modules) of deployable assets on 463L married pallets on C130J-30



Specifications

External Length (deployed)	5768mm
External Width (deployed)	5350mm
External Height (deployed)	3082mm
Internal headroom:	2100mm
Unit weight:	875kg
Deployment time (to IOC):	
With Telehandler:	2 mins/ 1 driver
Zero MHE:	3 mins/ 4 persons + driver
Operating temperature:	-32°C to +49°C
Storage temperature:	-32°C to +71°C
Operating environment:	A1-C1 (AECTP)
Max wind load (unanchored):	60km/h
Max snow load (unanchored):	50kg/ m²
Max wind load (anchored):	150km/h
Max snow load (anchored):	100kg/ m²
Max operating altitude:	3000m amsl
Max ground slope:	15 degrees
Door clear aperture height:	2000mm
Door clear aperture width:	900mm
Colour availability:	White/ Green/ Sand/ Dual Colour (reversible)



235m² (8 modules) of deployable assets on 20ft flatbed transport

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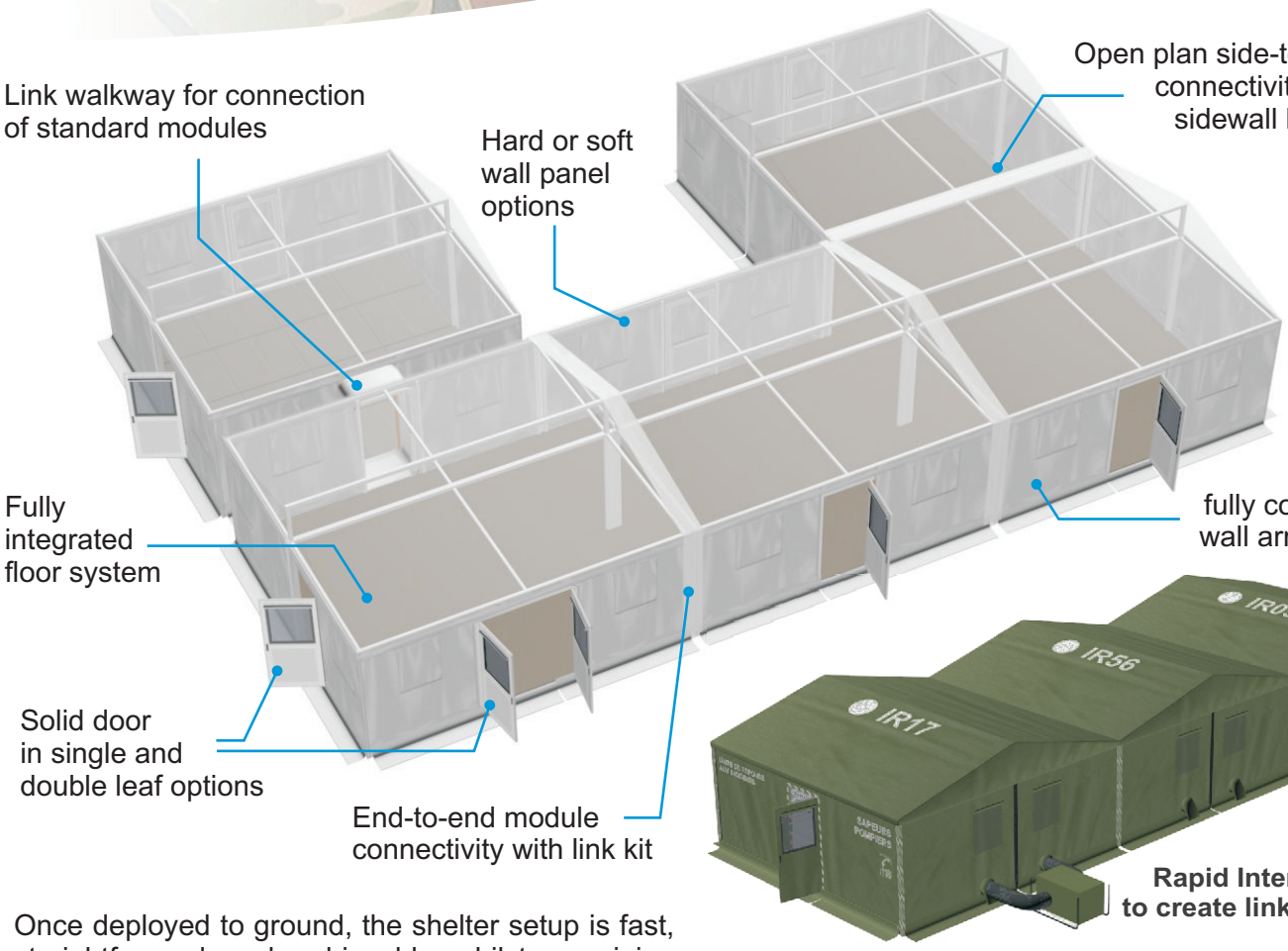
ERDS

Air Portable, Volume Deploy Expandable Shelter System

- Pre-wired Interior
- Integral Floor
- Low Maintenance

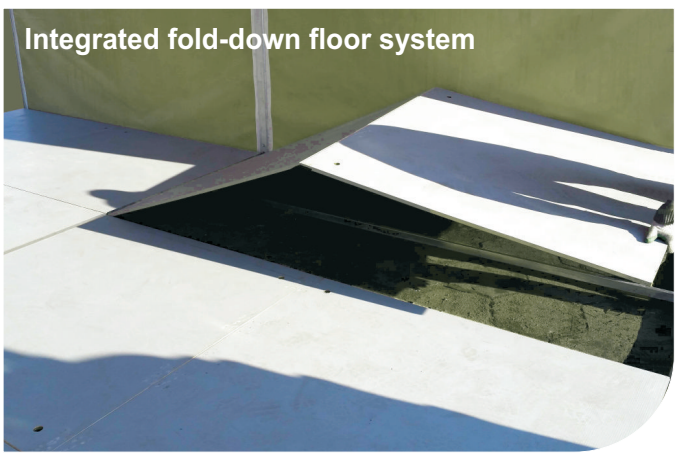
English



Rapid Interconnection to create linked complex

Once deployed to ground, the shelter setup is fast, straightforward and achievable whilst remaining within a protected, conditioned environment. The ERDS benefits from an integrated, fold-down floor system formed of low noise, marine grade plywood laid over a support framework. This raised floor system prevents any damp, mould and odour problems associated with long term deployments on damp, unprepared ground. In addition, underfloor cable runs allow maximum internal layout flexibility to be realised, whilst maintaining a safe working and living environment.

Electrics are pre-wired within the structure of the shelter, requiring the installer to make just the final connections at articulating corners and to mount the lights. This plug-and-play principle removes the need for dedicated skilled electricians to be available throughout deployment. External power can be plugged directly into the system whilst compatibility with roof mounted solar systems allows a viable sustainable power source option.



Integrated fold-down floor system

Roof mounted solar power generation option

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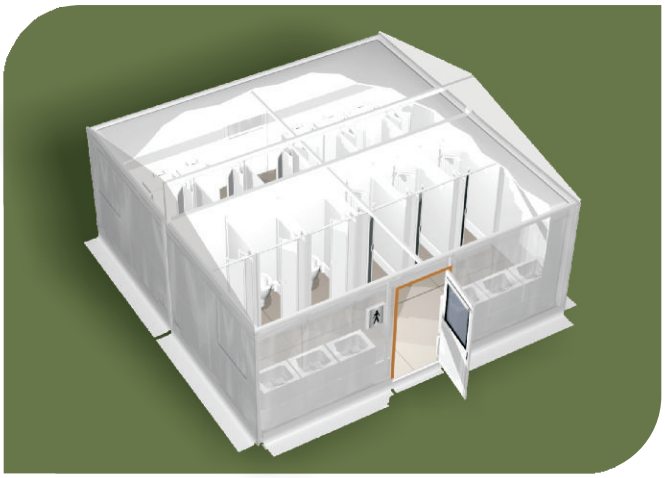
In operational use, the shelter can far outstrip deployment speeds of all other competing systems. This drastically reduces the time to full capability achievement and also slashes the team size required to deploy a specific capability.

Shelter modules can be easily held in readiness at deployed sites to provide surge capacity or enable requirement stretch. Occupying less than a 40ft ISO container envelope, 470m^2 of deployable assets can be stored and transported, converting into sixteen 29m^2 shelter modules. Using a fixed dividing partition in each module, this equates to a 14.5m^2 temporary accommodation solution for 32 individual families.



Due to the ability to install hard or soft wall panels, the shelter provides an ideal platform for installation of role-specific equipment. This allows the shelter to be configured for other camp facility solutions such as ablutions, mini-gym and welfare facilities etc. With a further ability to interconnect multiple shelters to form larger complexes, the versatility and potential of these systems is extraordinary.

For further information or to book a demonstration, please contact us.

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