Weatherhaven

Proven Expertise In Redeployable Shelters & Camps

MECC

Features

The worlds most popular expandable container

- Fully deploys without exposing personnel or equipment to weather
- Operational in under 10 minutes
- ISO/CSC certified for air, land, sea transport
- Tool-free deployment; no specialized skills required
- Insulated covers with flexible window and door configurations
- Integrated power and HVAC systems included
- Mil-Std tested for extreme environmental conditions
- Robust design with over 30 years of development

Product Overview

The MECC is the world's most successful and widely deployed 20ft expandable ISO container. Designed for mission-critical roles, it expands to three times its volume in less than 15 minutes. Certified for global transport, the MECC combines simplicity, robustness, and reliability. This battle-proven system provides forward capability wherever required. Militaries, governments, and humanitarian agencies trust MECC to deliver infrastructure when and where it matters most, ensuring operational effectiveness across every environment.

The MECC blends Weatherhaven's advanced fabric shelter technology with the universal ISO container standard, providing seamless deployment flexibility. Units can be mounted on vehicles for mobile missions or deployed directly on the ground for enduring operations. Its rapid adaptability enables mission commanders to establish bases, command posts, or workspaces in any terrain. MECC's robust engineering and flexible deployment models make it the shelter solution of choice for today's rapidly evolving operational environments.

Oakley's Yard, Gatehouse Road,
Rotherwas Industrial Estate, Hereford.
HR2 6LR. United Kingdom

Tel: +44 1432 373 000
WhatsApp +44 7538 843 041
Email: contact@weatherhaven.co.uk

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MECC, robust and operationally effective.

MECC has been delivered in thousands of configurations worldwide, supporting a vast range of missions. It functions as command and control centers, medical and surgical facilities, vehicle or aircraft workshops, additive manufacturing spaces, and even kitchens or laundry stations. Shipboard applications and disaster relief deployments further highlight its versatility. By offering limitless possibilities, MECC ensures that armed forces and civilian operators always have the infrastructure to meet mission demands.

Standard Specifications

MECC specifications can vary depending on your configuration requirements.

Specifications	MECC 8 ft	MECC 8 ft 6 in
Width (packed)	2438 mm // 96 in	2438 mm // 96 in
Width (deployed)	6172 mm // 243 in	6477 mm // 255 in
Length	6096 mm // 240 in	6096 mm // 240 in
Height	2438 mm // 96 in	2590 mm // 102 in
Tare Weight (approx)	3500 mm // 7700 lbs	3600 mm // 7920 lbs
Payload Volume	33 m^3 // 1172 ft^3	
Deployed Volume	90 m^3 // 3178 ft^3	
Deployed Floor Area	39 m^2 // 420 ft^2	39 m^2 // 420 ft^2
ISO Stacking	9 high	9 high
Certification	Full CSC	Full CSC

Options

MECC can be configured to your exact requirements.

Structure & Configuration

- Expandable wing system
- Mission Specific partitions (hard or fabric)
- Fabric and paint upgrades (IRR, CARC, EMI)
- Interconnector and corridor kits

Entries (Doors & Windows)

- Weather-resistant hard personnel doors
- Double-zip roll-up doors with Velcro sealsÊ
- Rigid vinyl-framed sliding windows
- Blackout window systems & insect netting
- Blackout entry vestibule systems

System Integration

- Integrated electrical & data networking
- Communication & IT systems integration
- Plumbing and mechanical system integrationÊ
- Permanent equipment & specialist fit-outs

Power & Environmental Control

- Integral generator & isolated mechanical room
- Integrated HVAC systems
- High-performance insulation (walls, floors, ceilings)
- Solar shades & environmental coverings

Logistics

- Levelling jacks
- Wing supports for truck mounted operation
- Platform and stair entry system

Example Applications

See our website for more MECC applications.

- Mining and Exploration Camps
- Humanitarian Response
- Mobile Clinics
- Military Camps
- Aircraft Support
- Tyre Maintenance
- Field Kitchens and Dining
- Vehicle Workshops