

# Built For Defence

2019



TRUSTED  
WHEN IT  
MATTERS



# CP Cases



- Ⓢ Essential ingredient for military tactics and field support
- Ⓢ Products designed to achieve optimum standards and accreditations  
MIL-STD 810F, IP65 and IP66, NATO stock numbers
- Ⓢ Field ready for extreme weather conditions
- Ⓢ Products customised for mission critical situations
- Ⓢ Design and product versatility helps CP Cases meet exacting requirements  
expected by customers



*CP Cases solutions form an integral and vital part of the military infrastructure.*

# Applications



*Air transport, storage, satellite communications, medical cases, ruggedised food containers and other operations in the field*



# Amazon Range

- ❏ Originally designed for military markets
- ❏ **Amazon Cases and Racks** are rotomoulded from a high-grade polyethylene material
  - nominal thickness of around 4 mil
  - inner lip recess in the lid fits inside the lid so any side impact won't displace the lid
  - UV stabilised, easily cleaned and won't corrode in any way
  - stackable feature and case interlocking for loading and storage
  - CNC routed foam inserts provide unmatched levels of impact absorbency and support
  - Nature of foam means no chance of chemical contamination or corrosion of equipment
  - Climate control COOL portable air conditioning units optional
- ❏ Robust and secure for transit and storage



*The ideal deployable field ally - equipment and supplies can easily be transported and operational on demand*

[Amazon Cases and Racks](#)



# AirShip and SatRack

## SUPER light weight cases and rack solutions – CONFORM TO IATA GUIDELINES

- ☒ Protection against shock and vibration – built in rigidity and strength
- ☒ Robust and secure for transit and storage

### Airship

- ☒ Rugged outer textile container with a honeycomb polypropylene inner construction and laminated structure
- ☒ Weatherproof seal between the base and the lid
- ☒ The Airship is designed with a moulded cell foam for additional protection of equipment



### SatRack

- ☒ Bodyshell thermo-formed from 10 mm HPP (honeycomb polypropylene)
- ☒ Internal chassis constructed from high-tensile aluminium alloy
- ☒ Super-lightweight – 4U SatRack (480 mm deep internal chassis) weighs only 8 kg
- ☒ Supplied with PU backed, nylon fabric tamper-proof outer bag. Padlockable, zipped panels allowing front and rear access
- ☒ Available in full 19-inch and 9.5 inch half-rack sizes



# Climate Control

- ☒ Solid state climate control Thermoelectric Unit (TEU)
- ☒ Ideal for remote locations and extreme temperatures
- ☒ Not sensitive to orientation
- ☒ Long lifetime and low maintenance
- ☒ Available for Amazon Racks or ERack, and as COOL-COLLAR™ or built in to rack-body .
- ☒ Available in Thermoelectric or Vapour Compression Cycle formats.
- ☒ Recessed, sprung handles and inboard lid latches
- ☒ Stackable with inter-locating ribs on container top & bottom surfaces
- ☒ Compatible with most Amazon and ERack accessories.
- ☒ Suitable for 6U to 12U height equipment.



*Maintaining optimal operating conditions of electronics*

# Field operations

- ❏ Carry field supplies or transportation of munitions in customised [Weapons Cases](#) and water purification systems via the [Wananchi Séon UV](#) keeps personnel operational whilst in the field.
- ❏ Medical support is also critical for operational requirements and in support of emergencies and disasters. [Amazon Cases](#) are the perfect solution for base camps and deployable medical centres keeping life-saving equipment safe from moisture, dust, sand, salt and even impact.
- ❏ [ERack](#) and [Custom Racks & Enclosures](#) have proven to be the ideal solution for clients where weight and [EMC shielding](#) (or [TEMPEST shielding](#)) is required.
- ❏ Our racks can be fitted with alternative AV mounts, elastomeric or wire rope depending on payload and use.



# Ground transport and satellite communications

- ❏ The [Italian Army](#) use them for a Video Surveillance System. Images and information are fed back to the control station for immediate action.
- ❏ [Barrett Communications](#) integrates transit cases as a Rapid Field Deployment System for HF and VHF interoperability and they can be easily vehicle mounted.
- ❏ Portable Reconnaissance Image Screening System ([PRISS](#)), using ERack, that allows the viewing of imagery post-sortie giving front line users immediate validation. CP Cases were integral to the [Aircraft Carrier Alliance](#) project and produced Custom Enclosures for the Internal Network Electronics for the two new Queen Elizabeth Aircraft Carriers.



# Light weight and cool

## ☒ Remaining on the theme of secure and satellite communications

- a unique partnership between [AirShip](#), a super lightweight custom designed Protective Case, and [SatRack](#), a super lightweight 19" rack, was produced for [Vislink](#) to create a complete communications solution

## ☒ The Swedish Armed Forces approached CP Cases with a requirement for a rack system for electronic and communications equipment. These containers also had to comply with a number of specific requirements:

- Drop and impact protection
- Easily portable for indoor and outdoor use
- DC or AC from 12v to 240v power supply
- Equipment to be mounted in easily replaceable rack chassis.



## ☒ The solution was an ERack with a COOL-Collar™ – read the full story [here](#)



# CP Cases Customers



# About CP Cases



- CP Cases design and manufacture rugged, impact resistant cases, containers and electronic racks
- For transport, storage and operation of essential equipment
- Well equipped factories in North America & UK/Europe
- Established more than 45 years
- Skilled designers, engineers and craftsmen using CAD/CAM software and manufacturing processes
- Export >50 countries
- 5 star financial rating

# About CP Cases

- ☐ **ISO 9001** - quality assured certification (since 1993)
- ☐ **SSE** - Society of Environmental Engineers
- ☐ **GSA Advantage** - assisting Federal employees worldwide by meeting today's acquisition challenges
- ☐ **DMA** - The Defence Manufacturers Association
- ☐ **AFCEA International** - serving government, industry, and academia as an ethical forum for advancing professional knowledge in the fields of communications, IT, and global security
- ☐ **ABHI** - The Association of British Healthcare Industries
- ☐ **IABM** - International Association of Broadcast Manufacturers

# End to end design and manufacture

- Custom design to meet exacting requirements:
- Use the latest CAD tools
  - Concept through to production
  - External protection - tough Cordura® and nylon fabrics
  - Internal protection – impact resistance, anti-vibration, forced cooling, anti-fungal, anti-static
  - Low to high volume quantities
  - Customised colours, labelling and branding



# THANK YOU

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