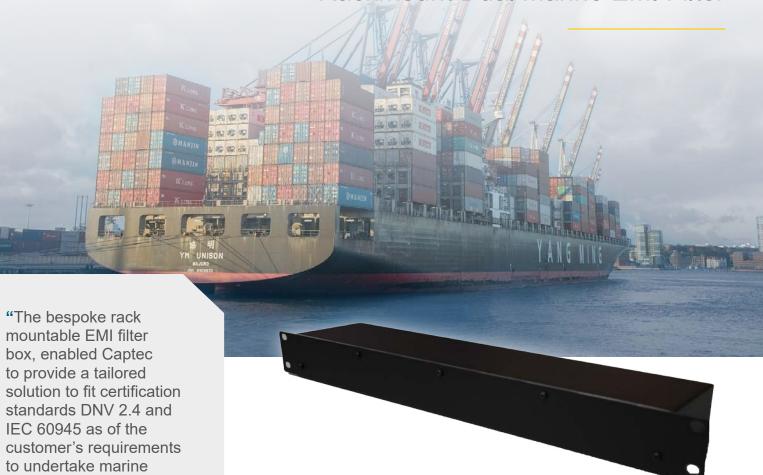




Commercial Shipping

Rackmount Dual Marine EMI Filter



The customer solves their clients hardest connectivity challenges. Cargo ships transporting essential goods across the oceans. Governments relying on mission-critical satcoms. From connected cities, ships and planes to remote IoT operations, our satellite broadband services are transforming whole industries and creating better futures.

compliance."

Requirements & Issues

- Commissioned to undertake marine compliance testing on partner's Intel XEON enterprise server computers for products to be supplied on board commercial ships
- The product enables the computer to have a clean power source as all noise from the surrounding environment is filtered out
- The external filter boxes are rack mountable with a dual power supply to support a redundant power supply to the device and help prevent system damage
- No commercial off the shelf solution was available so a bespoke design was required



The Solution

- The filter boxes are designed to support the EMI compliance testing and certification of commercial grade IT equipment from workstations to enterprise-grade server products in marine applications
- Captec engineers developed and produced the filter boxes, limiting common and differential-mode EMI emissions from equipment, integrating EMI filters to provide clean power and incorporated dual power/rackmount form factor
- Manufactured by using our metalwork and electromechanical capabilities, designed for high reliability and low maintenance





The Outcome

- External filter box, rack mountable with successful compliance for marine use certified to DNV 2.4 and IEC60945
- New Captec filter product brought to market extends Captec's marine product portfolio
- All work from design through test and production undertaken by Captec, with over 10,000 units supplied to date through worldwide distribution
- It enables customers to use commercially off the shelf equipment in the marine environment



captec-group.com



/company/captec



@captecgroup

EMEA Office

7 Whittle Avenue, Fareham, Hants, PO15 5SH, UK



sales@uk.captec-group.com

North America Office

15 Saltsman Dr. Cambridge, ON. N3H 4R7, Canada



▼ sales@ca.captec-group.com







