



Field Deployed Satellite Communications

“Captec were approached to provide a fully integrated and tested solution de-risked by commissioning in the UK. Once onsite, only local connectivity would be required to achieve a fully functional solution in the restricted time window. The installation team report that this objective was achieved exactly as envisaged.”

**Peter Drake, Business
Development Director**

The customer is a global leader in the defence sector, the largest defence supplier in Europe, and among the top 10 defence companies worldwide. It manufactures tactical and strategic airlifters, multi-role aerial tankers and advanced combat aircraft.

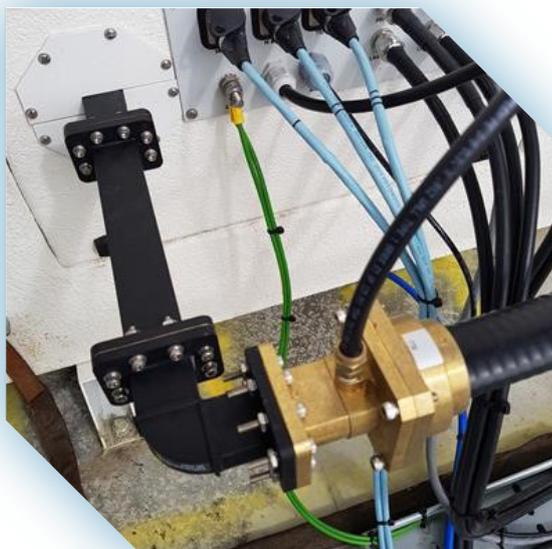
The customised container provided was to facilitate primary satellite communications in the very challenging environment of the Falklands. Whilst many services were enabled remotely; it was essential to offer an integrated solution providing a safe, dry and warm environment for engineers.

Requirements & Issues

- ▶ Single supplier for the complete integrated container, with workstations and equipment racks
- ▶ A safe, secure and comfortable environment for personnel
- ▶ A limited installation time window
- ▶ Multiple high-performance and highly reliable workstations
- ▶ Compliant to electrical standards
- ▶ Suitable for use in all weathers and temperatures
- ▶ Container resistance to hazardous materials and prevents unauthorised access

The Solution

- ▶ Customised ISO container, fully integrated at Captec UK facility
- ▶ Integrated security measures on the container, and integrated air conditioning
- ▶ Management of a diverse supply chain to meet customer requirements
- ▶ Electrical installation to 18th Edition wiring regulations, BS7671
- ▶ Ingress protection to IP67 and wide temperature operation -15°C c to 50°C
- ▶ Construction of integrated container resistant to hazardous materials



The Outcome

- ▶ Container deployed in the Falklands for satellite communications
- ▶ Complete ISO container to customer specification, fully integrated at Captec UK facility
- ▶ Pre-integrated cabinet allowed the installation to be completed successfully in a limited window
- ▶ The container creates a secure, dry and comfortable air-conditioned environment to work in despite the outside environment
- ▶ The customer was able to outsource the integration of the container to a single source



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