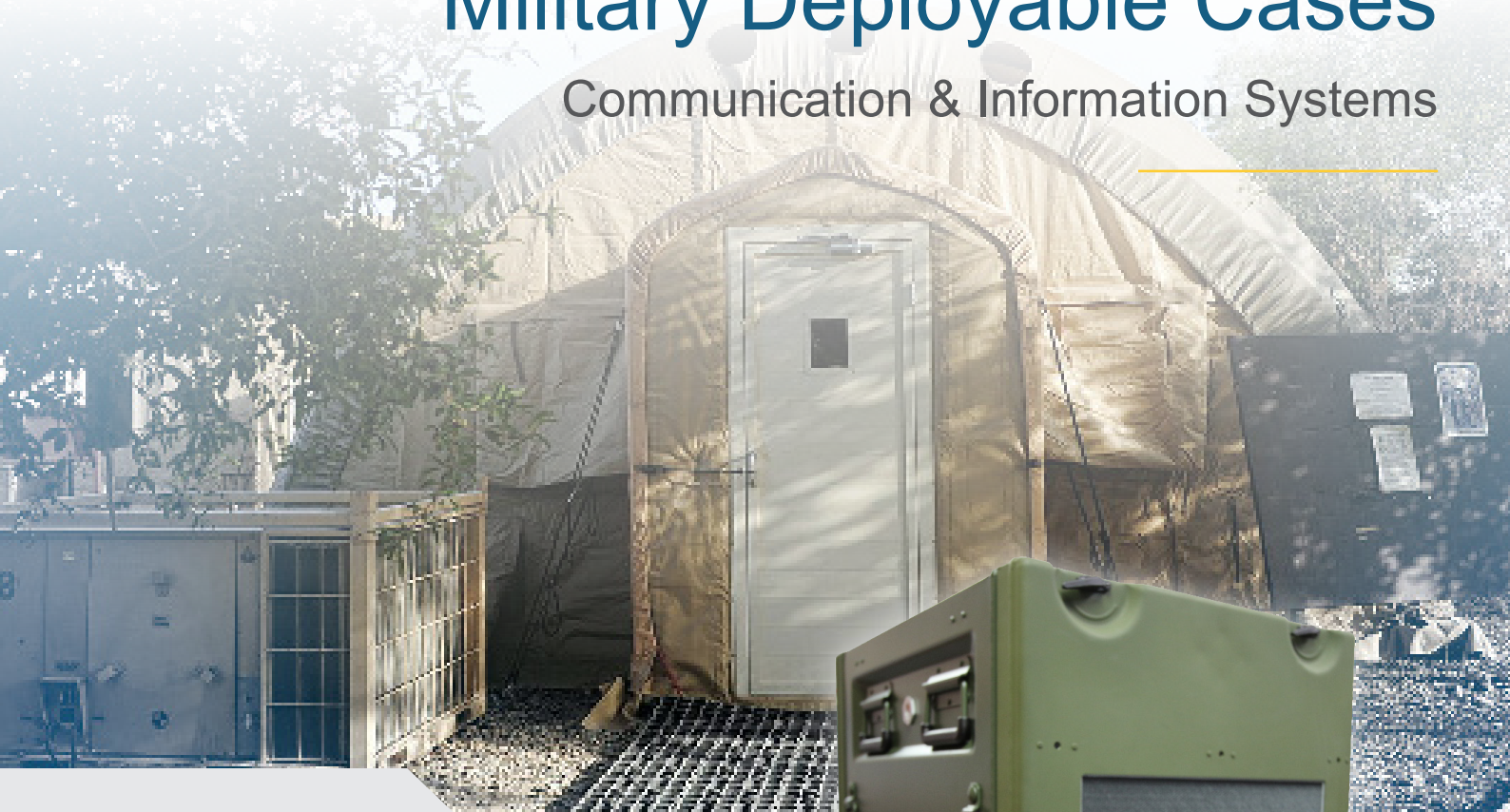




Military Deployable Cases

Communication & Information Systems



▶ “The bespoke, rugged case design was integrated with the customer’s equipment to enable the rapid deployment of land, sea and air-based communication systems. 5 case designs have been developed, each providing different levels of functionality to the user.”

Peter Drake, Business Development Director

This customer is a world leader in secure communications solutions, focused on delivering the right technology to meet required operational needs.



The Requirements

- ▶ Integrate communication equipment into deployable, rugged cases
- ▶ Develop a family of designs to support the required functionality
- ▶ Compliant to SDIP 27 TEMPEST Level C specification
- ▶ Designed to meet DEF STAN 0035 shock and vibration defence standard
- ▶ Required to integrate high-performance computing and customer’s equipment stack
- ▶ Operating temperature range of -10°C to +30°C
- ▶ Work in collaboration with customer’s engineering team ensuring full compliance to specification

The Solution

- Selected a NATO approved, stackable, light weight, rugged case with an internal equipment frame
- Designed a bespoke patch panel for external equipment connectivity
- Operating temperature performance was optimised with the inclusion of an Environmental Control Unit to support a temperature range from -32°C to +49°C
- Designed to comply to TEMPEST SDIP 27 Level C and DEF STAN 0035 shock and vibration, with full testing at TUV
- Completion of documentation pack to support standardisation of build and serviceability in the field



The Outcome

- Provision of deployable, complex, powerful IT solutions to support military command and control installations
- Captec were able to design, manufacture and complete testing pre-delivery
- Successful integration of customer's equipment delivering the required 5 variants
- Solution designed for rapid deployment and field integration
- High powered computing configured for complex, virtual and cloud-based services



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