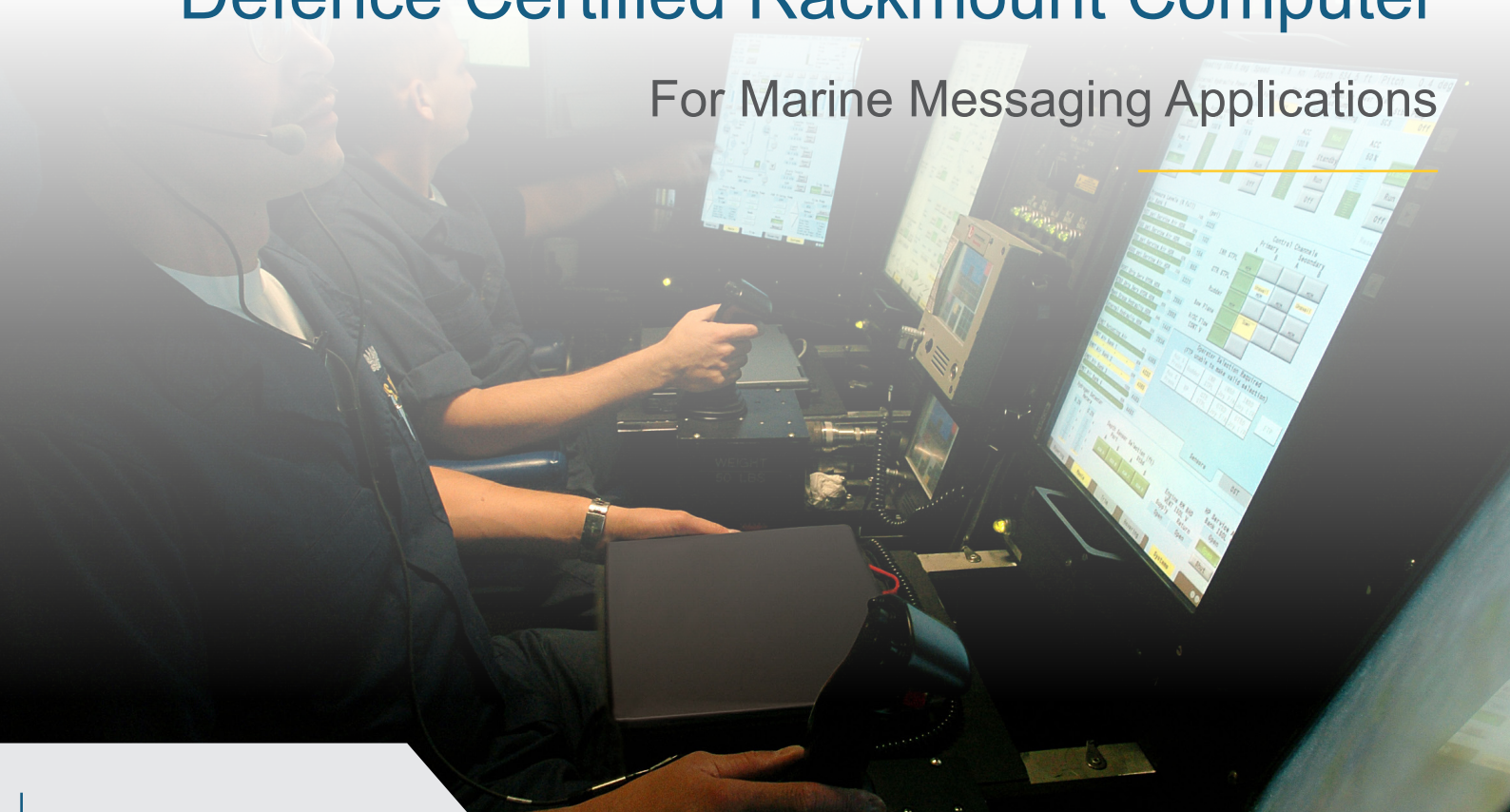




Defence Certified Rackmount Computer

For Marine Messaging Applications



▶ “In completing this project, our knowledge of compliance, in-house facilities and relations with independent test houses was integral. Despite the regulatory criteria being far more stringent than we were used to, our engineering team were able to innovate a solution that successfully achieved compliance certification.”

Lee Town, External Account manager

Our customer is a leader in Aerospace, Defence and Security developing advanced technological solutions and provides a complete, innovative range of services for every mission and every scenario. The complete solution is for marine messaging computers.



Requirements & Issues

- ▶ Custom computer designed to meet exact customer specifications
- ▶ Computers must be highly reliable while remaining simple and cost effective
- ▶ Units needed to satisfy MOD below decks regulations, including EMC emissions testing
- ▶ Platforms must be ruggedised to successfully meet stringent shock and vibration requirements
- ▶ Extended data storage timeframes with capacity for rapid information retrieval
- ▶ Optimised platform availability to support the development of customer's solutions

The Solution

- ▶ Captec supplied a 2U rackmount solution based on COTS+ to meet exact specification requirements
- ▶ Platform based on industrial grade COTS components, increasing standards of reliability
- ▶ Using in-house EMC facilities and independent testing, Captec guided units through compliance
- ▶ Captec worked with an independent manufacturer to modify the chassis for ruggedisation
- ▶ Platforms specified with RAID storage for data storage and retrieval optimisation
- ▶ High rates of availability achieved through the use of established commercial components



The Outcome

- ▶ Captec engineered a solution that met highly challenging Defence standards regulations
- ▶ Cost effective units with complex levels of engineering to meet application requirements
- ▶ Systems ruggedised to withstand the rigours of deployment in hostile naval environments
- ▶ Captec and the customer enjoy an established and longstanding relationship with ongoing work across multiple projects



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