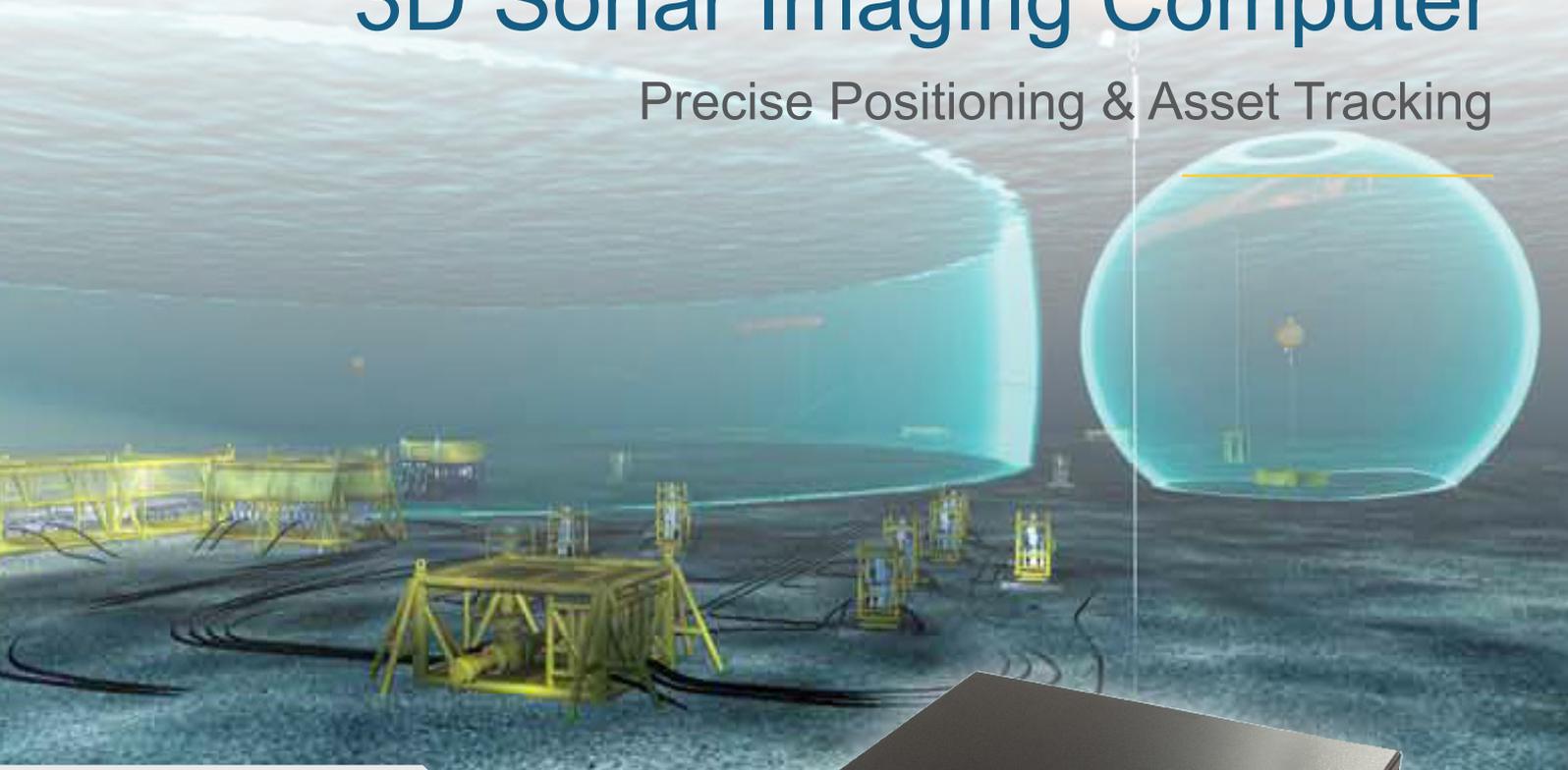




3D Sonar Imaging Computer

Precise Positioning & Asset Tracking



▶ “We took an existing prototype and applied our design and engineering expertise to develop a solution that fully meets application needs. These abilities enabled us to deliver this project successfully”

Product Manager, CAPTEC

The solution is for an international designer and manufacturer of subsea technologies. Aiming to shape the future of subsea operations, the customer has built a reputation for delivering top-of-the-range equipment, with a team of specialists dedicated to developing the most up-to-date and innovative solutions.

Requirements & Issues

- ▶ The project required the development and improvement of an existing prototype
- ▶ Longevity of supply and extended life are crucial to the application
- ▶ Reduction of connection points to streamline cable runs
- ▶ Protection required to keep computers running in hostile marine environments
- ▶ Fast, reliable data integration and high quality on-screen rendering

The Solution

- ▶ A bespoke designed 19" rackmountable 3U PC
- ▶ Captec applied its specialist engineering abilities to fully meet design specifications
- ▶ Longevity of supply and extended life achieved through obsolescence management and expert component selection
- ▶ Platforms act as a single connection point with sonar peripherals, reducing subsystem power devices as well as cable runs
- ▶ Robust design, dust filters and tested in-house for thermal emissions to offer protection in marine environments
- ▶ Highest specification processors and graphics cards enable fast data transmission and enhanced 3D image quality



The Outcome

- ▶ Competent design of an existing platform to meet application requirements
- ▶ Platforms suitable for installation in a range of environments and applications
- ▶ Computers successfully deployed to support and enhance the imaging and data processing abilities of subsea sonar surveyors
- ▶ Computers compatible for usage with the customer's 3D acoustic imaging and GPS supported positioning platforms
- ▶ Captec's engineering capabilities and product implementation created customer confidence, leading to repeat orders



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