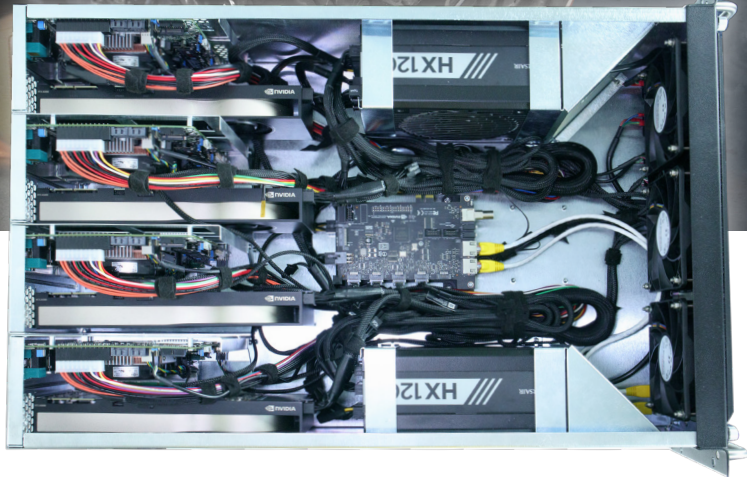




Training & Simulation

High-Performance, High-Density Image Processing



▶ **“The Quadbox enabled a leading flight simulation provider to reduce their solution’s total rack space, complexity and cost by replacing 20 4Us with 5 Quadboxes. This provided the high-performance computing required for synthetic simulation and simplified wiring and image synchronisation complexity.”**

Peter Drake, Business Development Director

Our customer specialises in training individuals and teams in active decision making, including military flight applications, using innovative simulation systems containing the latest hardware technologies.

Requirements & Issues

- ▶ Customer required a platform to condense their current computing performance into a smaller footprint and improve its operation
- ▶ Customer required hardware display synchronisation capability
- ▶ Reduce the customer’s existing 2 rack platform into 1 rack to decrease floor space, noise and overall cost
- ▶ Analyse and deploy a power saving strategy to reduce OPEX
- ▶ Design a clear system architecture to significantly reduce wiring and cabling

The Solution

- ▶ Higher hardware density than existing image generation systems to utilise less infrastructure and cabinet room, saving on space and cost
- ▶ Supports Xeon/Core CPUs and multiple high-end graphics cards including hardware display synchronisation
- ▶ Delivers optimal cooling with a significantly lower noise profile
- ▶ Reduces repair cycles in platform life to increase uptime and continuity of use
- ▶ Improved thermal management and increased system efficiency over 1 and 2U systems
- ▶ Meets EMC emission standard EN 55032



The Outcome

- ▶ A Captec designed and engineered solution providing high-performance, high-density image processing at reduced foot print, complexity and cost
- ▶ Best of both worlds – Cutting edge COTS performance with industrial roadmap availability to allow for form, fit and function replacement and through-life field upgrades



captec-group.com



[/company/captec](https://www.linkedin.com/company/captec)



[@captecgroupp](https://twitter.com/captecgroupp)

EMEA Office

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

- ▶ +44 (0)1489 866 066
- ▶ sales@uk.captec-group.com

North America Office

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

- ▶ +1 (519) 650 4000
- ▶ sales@ca.captec-group.com