



RACK INTEGRATION FOR LEAN MANUFACTURE

“ Using lateral thinking combined with in-house ingenuity, we were able to meet the customer’s requirements and deliver a seemingly impossible task, given the amount of devices and limited footprint. As a result we continue to share in the customer’s successes through the ongoing delivery of a certified and proven solution. ”

Product Development Manager,
Captec

The solution is for a human care company pioneering significant innovations and clinical solutions for the treatment of cancer and brain disorders. The customer provides intelligent, resource-efficient technologies that improve, prolong and save patient lives. The solution was developed to support the customer’s radiation therapy control application to enable safe and efficient treatment.



REQUIREMENTS & ISSUES

- Rack solution must be capable of housing 17U of devices
- While increasing density, footprint must be constrained into a cabinet able to fit under a desk
- Solution must be cost competitive with that of a full height cabinet
- Overall system must be compliant to strict medical requirements
- Fully managed solution with assurance of a long life supply and extended operational life
- Ease of serviceability to minimise downtime

THE SOLUTION

- Captec engineered a solution that successfully housed the requisite volume of devices
- Experienced and knowledge leveraged to create an innovative cabinet design
- A bespoke design combined with volume manufacture ensured costing requirements were met
- Systems subject to rigorous in-house testing to ensure medical standards were satisfied
- Comprehensive supply chain management and fully documented build optimised availability
- Mobile specification for the ease of access and serviceability



THE OUTCOME

- Solution designed from the ground up for lean manufacture
- Cabinets provided sufficient cooling for devices without any noticeable acoustic impact
- Over 1000 application ready solutions shipped globally to the customer within set timescales
- Captec continues to work closely with the customer to deliver rack solutions

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