



# JAGUAR LAND ROVER CASE STUDY

## AWARD WINNING MODULAR DATA CENTRE

Jaguar Land Rover, the UK's largest automotive manufacturing business, identified the need for a new data centre to support its recently completed automated Engine Manufacturing Centre (EMC), where a new engine is built every 39 seconds.

Designed and delivered in under 20 weeks, with a PUE L2YC of just 1.13, the solution met and exceeded all of Jaguar Land Rover's objectives. As well as enabling the solution to be delivered within a very short time frame, by manufacturing the shell and cooling systems offsite Keysource was able to minimise risk and disruption within a highly critical facility.

By proposing and deploying a modular solution, which was fabricated off site, Keysource was able to:

- Deliver a high quality solution that was designed and delivered with minimum risk and disruption to a live critical site
- Allow Jaguar Land Rover to scale the data centre with zero interruption to the live IT
- Create a bespoke cooling solution utilising our flooded room approach which ensures a PUE L2YC of 1.13
- Deliver from concept to hand over within just 20 weeks

The project included:

- Flexible Modular Approach – allowed for off-site production and a phased deployment inline with Jaguar Land Rover’s business requirements and also at a lower capital expenditure cost.
- Highly efficient – innovative integration of the indirect air-to-air cooling solution allowed for a design PUE/L2YC of 1.13.
- Fast delivery – the modular construction allowed for the whole project to be delivered within 20 weeks from set up to handover.
- Expert support – KeySource’s team of expert project and site managers ensured that the project ran smoothly and that there was stakeholder engagement throughout

## QUOTE

“Using a modular design means that the bulk of production and preparation can be done off site which reduces costs and saves time. Typically a project of this nature would take at least 12 months to complete but using modular designs reduced this by two thirds. This was a prime example of how our bespoke modular data centre design can achieve significant cost and time savings whilst delivering industry leading efficiencies, we see this modular approach as a template for future data centres.”

Jon Healy Group Chief Operating Officer at KeySource