
Case Study

# Delivering Reliable DC Power Under Tight Deadlines

## Project Snapshot

A major data centre operator required the urgent replacement of a failed DC power system supporting protection, control and monitoring functions across a live facility. The existing system had been sourced offshore, with extended lead times creating unacceptable risk to operational continuity and compliance requirements.

The operator engaged Century Yuasa Batteries to deliver a locally engineered solution locally engineered DC power system to re-establish resilience and reliability within the critical power system. The requirement centred on a robust 125V DC power system engineered to support continuous operation in a mission-critical data centre environment.

## Solutions Delivered

An Australian-engineered Intelepower 125V DC power system was supplied to restore full redundancy and support long-term operational resilience within the data centre.

- **125V DC power system** for continuous operation
- **Hot-swappable rectifier and controller architecture** for redundancy
- **Yuasa FXH155 VRLA** batteries with long design life
- **Custom mechanical and ventilation design** for constrained footprints
- **End-to-end delivery**, from engineering through to commissioning



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Trusted Power. Unmatched Reliability.

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## Project Detail

Following engagement, Century Yuasa Batteries issued engineered designs, quotations and a confirmed production schedule within days. The Intelepower DC power system was designed and manufactured locally and delivered to site within a six-week timeframe to support urgent reinstatement of DC infrastructure.

The system comprised independent X and Y 125V DC systems engineered for redundancy and fault tolerance. Installation, testing and commissioning were completed in accordance with Intelepower procedures and applicable Australian regulatory requirements, with full documentation provided to verify compliance, performance and operational readiness within a live data centre environment.

YUASA

Performance, every time

## Outcomes & Benefits

The Intelepower DC power system was delivered and commissioned within the required timeframe, restoring redundancy and meeting all performance, safety and compliance requirements.

Key outcomes included:

- **Rapid delivery:** Local engineering and manufacture enabled delivery within six weeks
- **Operational continuity:** Dual DC architecture restored protection, control and monitoring capability
- **High reliability:** Hot-swappable rectifiers and controllers support maintenance without disruption
- **Regulatory compliance:** System aligned with Australian Standards and data centre requirements
- **Lifecycle confidence:** Yuasa VRLA batteries support predictable long-term performance

The successful delivery reinforced confidence in Century Yuasa Batteries' technical capability and supported ongoing engagement across critical power infrastructure within the facility.