

A major hyper-scale data center provider - Sydney, Australia

Powering the blueprint of the future for sustainable data centers



About

A hyperscale data center specialist creating a platform for cloud, content and large enterprise companies across the Asia-Pacific.

Challenge

- This leading data center provider was looking to find better ways to reduce impact on the planet and manage resources responsibly. They wanted to improve operations to maximize efficiency, targeting carbon neutrality at all offices and operations.
- The company aimed to set up hyper-scale data centers across APAC, looking to manage the health and energy efficiency of its mission critical HVAC equipment.
- The team also required a Digital Platform that worked with Johnson Controls as well as 3rd party building systems.

Solution

- Johnson Controls OpenBlue technologies deployed to deliver reduced energy use as well as optimized HVAC equipment and central plant performance
- Deployed energy tracking and AI recommendations
 - Connected equipment to break data silos and drive equipment optimization
 - Advanced digital monitoring of plant room and performance
 - Tailored dashboard to flag high priority events

Results

- **Over \$70k cost savings and more than 1 million kWh of energy savings** over an 8 month duration, which amounted to 4x of predicted goal.
- **Sustainability and energy reduction** - advanced monitoring of plant room data helps identify potential energy savings and proactive maintenance needs
- Centralized system with tailored dashboards showing data analytics that flag high priority events needing immediate attention
- Helps compare vendor provided equipment efficiencies with actual performance – holding vendors accountable and enforce damages based on performance guarantees