

A BUSINESS CASE STUDY



FOR DATA CENTRES

An annual energy usage saving of €90,000 for Dublin based Data Centre utilising Trend BEMS to optimise its evaporative cooling & chiller plant.



THE CHALLENGE

As IT resources become increasingly virtualised for many businesses, Data Centres provide the computer, storage and networking resources needed for these businesses to operate. Downtime on any of these resources could cripple operations and incur huge loss of revenue for a business. As Data Centre facilities rely heavily on power and cooling to ensure uptime, it is essential the correct solutions for managing these systems are implemented. This was no different for this well-known Data Centre client situated in Dublin.



THE SOLUTION

Standard Controls installed a Trend BEMS solution to control the mechanical infrastructure, provide real-time monitoring of facilities equipment and to actively manage cooling performance. Utilising the Trend BEMS, Standard Controls delivered a solution which was able to react automatically to any condition and quickly adjust control of equipment to maintain the correct environment while assisting with the Power Usage Effectiveness (PUE). They were also able to reduce the chance of human error whilst providing an early warning of possible critical failures.



THE OUTCOME

The Trend BEMS offered an automated solution to

- Cost savings, by assisting with PUE
- Reducing plant replacement cost by utilising equipment only as needed (free cooling)
- Providing early warning of potential critical failures
- Maintaining the correct Data Centre environmental condition
- Reporting, Data Logging and Auditing

Benefits

- Significant cost savings
- Operational resilience with improved plant longevity
- Early warning of any potential issues



Standard Control
Systems

TREND