

# A BUSINESS CASE STUDY



## FOR DATA CENTRES



Data centre in Dublin optimises its cooling plant using Trend BEMS



### 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 almost 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 a warning of possible critical failures.



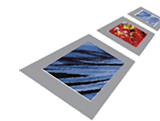
### THE OUTCOME

The Trend BEMS automated solution offered the following:

- Cost savings, by assisting with PUE
- Reducing plant replacement cost by utilising equipment only as needed (free cooling)
- Providing warning of potential critical failures
- Maintaining the correct data centre environmental condition
- Reporting, data logging and auditing

## Benefits

- Potential cost savings
- Operational reliance with improved plant longevity
- Warning of any potential issues



Standard Control Systems

TREND