A BUSINESS CASE STUDY

FOR COMMERCIAL

FINANCIAL TIMES – SMART BUILDINGS

The London headquarters of the world-renowned FT newspaper is located adjacent to Southwark Bridge on the banks of the River Thames. Arranged over seven storeys, it is home to a 1,100-strong workforce.

THE CHALLENGE

To improve performance, reduce CO_2 emissions and cut energy costs and to ensure that all building services were functioning as efficiently as possible.

THE SOLUTION

The client was looking for ways to evaluate the energy efficiency of its installed systems. The Trend BMS is connected to the building's major energy consuming equipment; namely boilers, chillers and ventilation and the client had selected a third party vendor to undertake the evaluation of the site.

The Trend BMS utilised its 'Smart' portfolio of products and services to allow information to be exchanged with that third party system; there are different options to allow data to be exchanged with such systems; either onsite or sent remotely to other locations. The BMS collected the required connected data in a central, secure location, then the data was analysed and Trend provided specialist training and support throughout.
The information was then provided to third party cloud server automatically, for actions to be taken. This 'live, real time data deployment' was particularly cost effective, as instead of simply replacing parts on a planned schedule, the existing system could be tweaked and optimised as it went to yield the best recommendations from the third party software.

THE OUTCOME

Two years later, energy use had been cut by around 2,290kWh/day average, translating to a total saving in energy of more than £100,000 within the first two years. What is more, the occupant comfort was dramatically improved, with complaints about the office being too hot or too cold falling by 50 per cent since the project's completion.

Benefits

- **Utilising cloud based systems to crunch large amounts of disparate data to identify issues that would be harder to find using conventional approaches.**
- **Cloud based systems allow large amounts of disparate data streams to be connected and analysed continually.**

TREND