

RELIABLE DATA CENTRE CONDITION MONITORING SYSTEM ▾

Our customer is an approved and highly respected system partner for one of the largest BMS companies in the world. They are one of the leading Building Energy Management specialists and operate throughout the UK.

THE REQUIREMENT ▾

Data Centre Infrastructure Management (DCIM) is a new form of data centre management that extends the more traditional systems and network management approaches, these now include the physical and asset-level components.

Essentially, what we get is a more comprehensive overview of all the datacentre resources and through the implementation of specialised software, hardware, and sensors you are able to intelligently monitor the environmental conditions within a datacentre and avoid costly down time.

DCIM is being adopted by an ever-increasing percentage of the data centre market with predictions sat at around 60% market penetration by 2015.

Amplicon were asked to provide an industrial grade touch screen panel PC for running a bespoke monitoring package offering vital information on the availability of critical IT infrastructure, energy efficiency and power management as well as specialised analytics.

Communicating with sensor systems, these components are able to keep operations running at maximum efficiency, offering stability and reliability, with any faults displayed and alarmed for the operator to action.

THE SOLUTION ▾

As the premier distributor of Nexcom products, the **Applied Panel PC (APPC)** range was chosen for this project. LED backlights, a new spec Atom D2550 dual core processor, and an all-metal fanless design are just three of the reasons we proposed this all in one panel computer.



LED backlights offer vastly improved reliability over old style CCFL lamps found in older panel PCs whilst the 3rd generation dual core Atom processor offers similar performance to older Core 2 Duo processors at much lower core voltages (and therefore lower temperatures).

Placed at strategic points throughout the building the unit provided a fast, reliable, cost effective front-end solution for graphically outputting environmental conditions.

THE RESULTS 🏆

The client has now standardised on the **APPC-1730T** Panel PC and will continue to roll them out on future projects for similar applications.

WHY AMPLICON 🏆

Amplicon are a trusted supplier, offering excellent pre and post sales technical advice and support, plus we have a long standing history of supplying reliable cutting edge industrial IT hardware to the client.