

HSBC

Customer: Hong Kong Shanghai Banking Corp (HSBC)
Location: World HQ London
Consultants: Ove Arup
Contact: Les Tobbell (HSBC FM Power)

HSBC new world HQ in London is one of the new landmark buildings at Canary Wharf the new financial district of London. The 42 story building is the nerve centre for HSBC world wide activity, with literally \$billions of financial transactions taking place on a daily basis.

Power is obviously crucial to the continuous 24 hour operational requirement. HSBC made the decision to minimise the risk of power outages on major switchgear by installing continuous thermal monitoring of key components, following the introduction to the new technology from Ove Arup.

The system is installed on ABB switchgear on 3 different floor levels, linked via a single shielded CAT 5 data cable back to a stand alone PC. This runs the ExerTherm system, and provides alarm level interface to the ABB management system via a volt free contact. Trend information is viewed via the ExerTherm screens.

Over 200 individual IR sensors are mounted within the various enclosures to monitor key breaker connections, & busbar sections.

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Currently talks are under way to fully integrate ExerTherm into the Trend BMS within the building. This will enable the ExerTherm system to operate and be viewed as an integral part of the existing BMS. ExerTherm can currently be integrated with over 250 different systems, including modbus, profibus, cambus, backnet, Lon, etc.

In addition, as HSBC, like many multinational organisations, move towards a common global FM policy, predictive maintenance systems such as ExerTherm will become part of the standard specification for "critical" buildings globally.