

Bosch's largest multi-boiler installation at Wandsworth Town Hall



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David Higgins
at Wandsworth Design Service

Project: Wandsworth
Town Hall

Product: 24 x GB162 100kW

Contributors: Wandsworth
Design Service
T Brown Group

Bosch completed their largest ever multi-boiler installation in the UK at Wandsworth Town Hall. The installation features two cascade systems, each comprising 12 GB162 100kW output boilers. The result is an ultra-modern and highly efficient heating and hot water system servicing the needs of the 1930s municipal building and the later 7 storey extension council office block.

The Town Hall buildings incorporate a Registry Office and Civic Suite and are used seven days a week for a wide range of activities and functions. The heating and hot water system therefore has to be flexible enough to provide energy efficient operation whilst meeting the varied pattern of usage. In addition the building has a large thermal inertia, so once heated only requires relatively low boiler outputs to maintain the required temperature levels. The cascade option particularly suited the usage pattern as each 12 boiler cascade can provide heat output which modulates down to just 19kW, but has a maximum output of 1,200kW which is more than sufficient to cope with the coldest days and the highest hot water call off.

David Higgins of Wandsworth Design Service says “We opted for a Bosch system for a number of reasons. As well as their expertise in cascade systems, they were able to offer the most complete solution, providing all the necessary components from a single source.”

The cascade system uses the compact and lightweight (70kg), GB162 boilers, which are therefore easy to handle even when access is restricted.

A four boiler GB162 cascade occupies just 1m² of floor area and provides 400kW heat output. Each boiler can be automatically controlled to modulate, and therefore to maximise energy efficiency, for the longest possible period, bringing into use extra boilers as and when it is most efficient to do so.

For more information on the Bosch Commercial & Industrial Heating and the GB162 boiler, visit www.bosch-industrial.co.uk.

