

Shipley Swimming Pool and Leisure Centre



“Due to the constant demand for heat that a swimming pool requires, combined heat and power is the ideal solution.”

Alex Parkinson,
Sales Manager for CHP

Ensuring building stock meets the latest regulations and efficiency standards is an ongoing process for any local authority. One such local authority, City of Bradford Metropolitan District Council, has invested in a number of modern heating and hot technologies as part of a leisure centre refurbishment, leading to a significant impact on the buildings energy savings.

Specification

After undertaking an assessment of the Shipley Swimming Pool and Leisure Centre, it was determined, in addition to general refurbishment works, that the existing heating arrangement had neared its designed life expectancy and plans should be put in motion to source a more efficient system.

Having looked at the options available within the marketplace, the council contacted Bosch Commercial and Industrial Heating and instructed them to provide a heating and hot water system which not only met current carbon reduction targets, but also reduced energy usage.

Installation

After conducting a detailed feasibility study, Bosch proposed a system which incorporated two SB615 floor standing condensing boilers. The boilers have efficiency levels of up to 110%, outputs of 510kW and use minimal plant room due to its compact design, making it the ideal solution to meet the criteria set out by the council. Bosch also recommended the use of a 50kWe CHP module to help maximise the efficiency of the overall heating and hot water system. As heat is produced as a by-product of the power generated and by distributing via a thermal store, CHP technology lends itself to operation alongside any other heating source, such as a high-efficiency boiler.

Project: Shipley Swimming Pool and Leisure Centre

Product: 1 x CHP 50kWe Module
2 x SB615 510kW

Contributors: City of Bradford Metropolitan District Council

Chris Mudd, Senior Electrical & Mechanical Surveyor at City of Bradford Metropolitan District Council, commented:

“By working closely with Bosch Commercial and Industrial Heating, Shipley Swimming Pool and Leisure Centre now utilises a heating and hot water system alliance which has a huge impact on our energy usage and carbon reduction targets.

Such was the detail of the feasibility study carried out by Bosch, they advised us to incorporate a 50kWe CHP module instead of the 70kWe unit we requested. Thanks to this recommendation, the system is designed to utilise 100% of the heat generated, thus maximising our efficiency levels.”

For more information on our CHP range, or our entire product portfolio, visit www.bosch-industrial.co.uk or call us 0330 123 3004.

