

Cogenco working with Crawley Borough Council at its new Leisure Complex



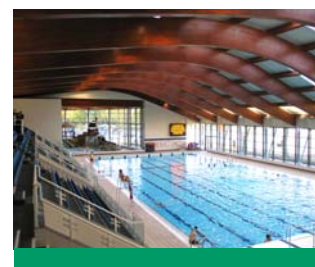
Cogenco Limited has installed a containerised weather proof 235kWe combined heat and power unit at the new leisure complex K2 in Crawley, West Sussex. Crawley Council's prestigious new leisure complex was built with an extensive range of sports facilities including a 50 metre swimming pool with the unusual feature of moving floors to allow a deep pool diving area. It also has a gymnastics training hall, health and fitness suite, floodlit athletics stadium, and a 12 metre high climbing wall.

In 2002 Crawley Borough Council consulted with local residents, local Sporting communities Sport England and the National Governing Bodies of Sport and drew up a strategy to provide a broad range of high quality sports and recreation facilities. Construction work began in March 2004.

Cogenco supplied and installed the 235kWe CHP unit on the roof of the leisure complex, a unique space saving option. The unit was assembled and pre-commissioned at Cogenco's site in Horsham and then transported to K2 Crawley where an 80 tonne crane was used to lift the unit into position. The container has also been painted in line with the building to ensure it blends in with the outlook.

The Cogenco 235kWe unit runs 17 hours a day, 365 days a year. The performance of the unit is closely monitored by Cogenco's IMS, Integrated Management System, a computer system specifically designed for monitoring combined heat and power units. The system provides all year round monitoring, data collection, performance reporting, customer reports and engineer despatch to site should this be necessary.

Crawley Borough Council is very keen to promote the environmental aspects of the leisure centre, the emphasis is very much on sustainable energy, one of the main reasons for choosing combined heat and power. The new leisure complex has also been constructed with high quality sustainable materials and is designed to ensure it is easy to maintain and adaptable. As well as the benefits of the combined heat and power unit, the building is well insulated and makes use of natural ventilation.



One of the main reasons for the installation of a combined heat and power unit is to ensure that energy costs are kept to a minimum. The second main advantage is the substantial reduction in CO2 emissions. A 235kWe CHP unit saves around 290 tonnes annually, when compared to conventional heating methods, percentage wise this is around 27%.

Apart from these two main benefits there is the additional savings to be made from the Climate Change Levy. All Cogenco's combined heat and power units have been stringently tested in the UK to qualify for this.

John Thraves, Director of Community Services, Crawley Borough Council, commented: "We are delighted with K2 Crawley. It has certainly met all our expectations in design and build. The advantage of the installation of a combined heat and power unit not only keeps energy costs down but has the benefit of the reduction in CO2 emissions".

Cogenco Limited has over 20 years experience in the combined heat and power market. Our range has been developed during that time in conjunction with the world's leading engine manufacturers. Our unit range is from 82kWe to 2MWe and can operate on a variety of fuels including natural gas, biogas, biomass, biodiesel and landfill gas. We offer all our customers a complete package, including in-house design and development, assembly, installation and project management, comprehensive technical advice and support. The assembly, test cell and remote monitoring centres are based at our Head Office in Horsham, West Sussex. Cogenco currently has over 450 units installed in the UK, and over 100 units in Europe and Asia.



Cogenco Limited is a leading producer of combined heat and power systems. We offer our customers a complete package, including in-house design and development, assembly, installation and project management, comprehensive technical advice and support.

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