

# Coventry University



**“...the university should save 489 tonnes of carbon over the next 12 months.”**

Lee Hatton,  
Senior Mechanical Engineer  
at Coventry University

**Project:** Coventry University

**Product:** 5 x GE615 1200kW  
1 x CE140 CHP

**Contributors:** Coventry University  
Envirotech

As legislation continues to drive the education sector to reduce its carbon footprint, it's important for education facilities to seek innovative technologies that help to reduce carbon usage and enhance its green credentials. Coventry University operates an extensive asset management programme, which ensures all low carbon technologies are performing at peak performance levels. It was imperative that the new heating system not only contributed to the university's carbon reduction target, but also offered significant energy efficiencies.



Having undertaken a detailed assessment of the plant room, Bosch proposed a system that utilised 5 x GE615 1200kW cast iron boilers and a 140kW<sub>e</sub> CHP module. With boiler efficiency levels of 95 percent and CHP technology proving to be one of the most-cost effective solutions to reduce carbon usage, it was determined that the system would meet all the requirements set out by Coventry University.

Lee Hatton, Senior Mechanical Engineer at Coventry University, said: “Bosch Commercial and Industrial Heating played a key role in optimising the efficiency of the system, advising us of the importance of correct sizing of the CHP module to ensure maximum efficiency levels.” Lee Hatton concludes: “Thanks to the improved boiler efficiency, the correct sizing of the CHP module and the installation of a thermal store, calculations determine that the university should save 489 tonnes of carbon over the next 12 months. To be able to implement a heating and hot water system which has effectively guaranteed we will meet our ongoing commitment to energy efficiency is a testament to the expertise on hand at Bosch Commercial and Industrial Heating.”

**“...Bosch Commercial and Industrial Heating played a key role in optimising the efficiency of the system, advising us of the importance of correct sizing of the CHP module to ensure maximum efficiency levels.”**

Lee Hatton,  
Senior Mechanical Engineer  
at Coventry University

**For more information on our entire product portfolio, visit [www.bosch-industrial.co.uk](http://www.bosch-industrial.co.uk) or call us 0330 123 3004.**

