

# Electric Point of Use Heaters Installation – Lecture Centre

**Lecture Centre:** The ‘Lecture Centre’ at Brunel University London is a Grade II listed property (as of June 2011) and is situated within the grounds of the University in Uxbridge. The building is highly occupied as it houses a number of lecture and seminar rooms. This building consumes a significant percentage of the University’s gas consumption.



## Project Details

**The Problem:** Hot water in the toilets and small kitchens within the Lecture Centre was supplied by a large gas fired heating system. During the summer months, when campus is quieter these boilers and the heating system are left running in order to supply domestic hot water.

**The Solution:** Installation of ‘Electric Point of Use (POU) Heaters’ to provide domestic hot water all year round. The 1<sup>st</sup> and 2<sup>nd</sup> floor WCs in Lecture Centre are now fed from 8 No. [Heatrae Sadia Multipoint Eco Vertical 3kW water heaters](#) (1 No. per WC) in lieu of the gas-fired boilers. These water heaters save energy and water. The large boilers and heating system is now switched off over the summer months leading to significant reduction in gas consumption.

**Potential Cost Savings:** The project has an overall estimated gas savings of ~ 384,500 kWh. This equates to an estimated annual saving of £17,000.

The cost of works is approximately £57,000 meaning the payback of the project is roughly 3.3 years.



Multipoint Eco Water Heater