

## Balfour Beatty, Boiler Installation

### Project Scope for Boiler Installation

The requirement was to move into position and install plant incorporating 6 Boilers and 1 Blowdown Vessel to the basement Energy Centre at Balfour Beatty's School expansion project in Stevenage.



### Site Installation Restrictions

Access to the Energy Centre was via ground floor opening in building elevation with restricted headroom from 1st floor slab above.

### Installation Solution

Following a detailed site inspection with the Balfour Beatty Project Manager, Engineering Manager and Consultant Lifting Engineer, JWI's technical team developed a plant installation method that overcame the headroom restriction and delivered a successful installation at a significant discount to the Client's budget forecast.

Ground conditions immediately adjacent to the ground floor elevation required the use of road plate to create a solid

foundation for the Versa-Lift to operate on.

Using the Versa-Lift as a mobile Gantry beam, the Boilers were rigged to the Versa-Lift longitudinally using 2no 3t Chain Blocks and bespoke lifting collars for the Versa-Lift Jib. The Versa-Lift then carried the Boiler into and over the basement void keeping the overall height of the Boiler and Jib 30mm below the 1st floor slab. The Chain Blocks were then used to lower the Boilers to the

### Result and Client Benefits

JWI delivered this project to install boilers, on-time and under budget negating the need for major construction works to the building in a safe and efficient manner.

If you have a requirement to move or install equipment do contact us.