

## Runcorn CHP Power Station

In pushing the boundaries of complex confined area lifting JB Rawcliffe & Sons Ltd have completed the removal and subsequent reinstallation of a generator at Runcorn Power Station.

The generator was located at 4.5m above ground level and surrounded by an acoustic chamber. In providing a solution for the removal at the generator at short notice, JB Rawcliffe & Sons Ltd had to overcome several restraints which included the limited working room available within the acoustic chamber, limited room for the egress of the generator from the plinth and the positioning of control panels around the generator which could not be moved.

JB Rawcliffe & Sons Ltd team quickly developed a safe and economical solution to overcome the constraints and this solution in turn did not require the removal of the opening in the front of the building.

The generator was removed from the plinth, lowered down and loaded to a short fully steerable modular trailer which was needed to access the building.

On return the generator was successfully lifted back into position as a direct opposite to the removal procedure.

**Location:** Runcorn CHP Power Station.  
**Project:** Removal & reinstallation of one generator.  
**Dimensions:** 20,000kg Generator, 4.25m x 2.1m x 3.27m.  
**Challenge:** 4.5m plinth, access restrictions, congested & restricted site, confined working area, working area constraints, time sensitive, working at height.  
**Equipment:** Hydraulic lift system, modular axles, jacking and skidding equipment, lift platform.

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