

S.T.O.R. PROJECT

SHERBURN-IN-ELMET



PROJECT PROFILE



“ The innovation of the Mansfield Pollard team ensured ”
this project was completed on schedule & on budget

Ben Wood - Project Manager Ethical Power Connections Ltd.

CHALLENGES:

A time-critical build combined with the ability to provide a complete solution meant MP's specialist acoustic team were the first choice to design, supply and install a **S.T.O.R.** power generation **acoustic & ventilation project** for six gas reciprocating generator sets in a purpose built outbuilding.

The challenge was to reduce the noise impact to nearby residential receptors with all units running continuously and provide ventilation of approx 73m³/s to effectively remove heat build up in the outbuilding.

OUR SOLUTION:

The high level outlet section normally significantly slows the on-site build process as clear floor space is required for access and heavy lifting equipment.

MP's engineers designed purpose built lifting frames to enable a complete off-site build. A simple crane lift through the roof ensured the safe positioning of the outlet section on to awaiting support legs. This reduced the on-site install from a number of weeks to just one day allowing other construction works to be completed on-time.

 **CUSTOM BUILT LIFTING FRAMES ERADICATED BUILD TIME ON-SITE**

 **ALL STRUCTURAL STEELWORK MANUFACTURED TO BS EN 1090 (exc.2)**

 **NOISE REDUCTION REQUIRED:**
65 dB(a)@1m (inlet) & 62dB(a) @1m (outlet)

 **TOTAL AIRFLOW ACHIEVED:**
73m³/s (4 fans per module)


ACOUSTIC CONTROL



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