



# CASE STUDY:

## THE SHARD



## PROJECT BACKGROUND

The Shard is the tallest building in Western Europe. Standing at an impressive 309.6 metres (1,016 ft) high, The Shard has redefined London's skyline since opening in 2013. Bells designed and delivered a complete turnkey solution including generator sets, acoustic canopies and floors, bulk fuel storage, cooling systems and controls.

## EQUIPMENT

We installed 2 x FG Wilson 4016 TRG2 2000KVA generators within an acoustic close fit canopy, complete with an acoustic floor and heavy duty anti-vibration mounts to reduce noise to 70 dB(A) at 1m. We were also responsible for the cooling water system for each generator. This consisted of 450 mtrs of flow/return pipe system from basement level 3 to DACs on level 20, dry air coolers for duty and noise reduction, duplex cooling pumps and pressurisation units.

## CONTROLS

We designed, installed and commissioned a PLC-controlled MCC. This included all control/power cabling and local controllers to each item of plant, such as supply and extract fans, as well as fuel transfer and cooling water system.

*"We engaged Bells early in the project programme to provide design and technical input. Bells were open and approachable and added great value to the process with their technical knowledge of the systems. They were 100% committed to the project and any issues that did surface were dealt with quickly. They brought innovation and best practice to the Shard Project, ensuring the successful delivery of a Turnkey Generator Package."*

*Paul Connolly, Associate Director*



