



Joseph & Jesse Siddons, one of the UK's oldest iron and steel foundries, was founded in 1846 and is based in West Bromwich, producing repeat batches of castings in grey iron, SG iron and steel. Their flexible production methods enable them to produce a wide range of castings from pumps to compressors and clutch housings to filter casings. The company employs circa 200 employees based at several sites in the West Midlands. This historic foundry business has also been involved in helping to produce some major arts projects, including Anthony Gormley's Angel of the North and the "Another Place" statues on Crosby Beach, near Liverpool.

**adi Electrical provides:**

- Full service: One stop electrical project management and process solutions
- Design: LV and HV cable and component layout design services, from conception to completion
- Installation: LV and HV, lighting, data and IT, UPS systems, fire and security, CCTV
- Planned Maintenance: Fully bespoke programs including testing and inspection
- Qualified specialists: Working in hazardous areas, involving design and installation of ATEX compliant systems

**The Opportunity**

In early 2016, adi Electrical tendered for its first job with Joseph & Jesse Siddons. The work commenced in February, after adi Electrical successfully won the contract based on its reputation for the quality of its workmanship and the professional level of service. The work involved designing, supplying, updating and installing a 400 amp, three phase power supply for a new state of the art extraction plant facility.

**The Solution**

Key to adi Electrical's bespoke upgrade solution was the ability to modify existing 1960s LV switchgear to accommodate new switchboard panels, saving the customer significant expenditure compared to a totally new three phase power installation.

This innovative specialist solution involved utilising adi Electrical's industry wide knowledge and expertise to source, supply and install a Schneider MG6C6 6W MCCB panel board and incoming main switch within the Patterns building, with associated power supply from the spare switch fuse isolator within existing main LV switchboard to the new MCCB panel. The new MCCB panel board was then populated within 2 x 125A MCCB's for the new power supplies, creating surplus capacity to meet future increased energy requirements as the business grows. Other work included installing HRC fuses within the existing LV switchboard 400A switch fuse isolator; switchboard modifications and new cable trays onto the building structure to transport the new cables to the panel board. The customer was so pleased with the outcome that adi Electrical is their new outsourced supplier of choice for electrical installation work

**The Benefits**

- Capability to provide a complete full service electrical project management and process solution for three phase power supplies
- Trusted partnership based on close working relationship, competitive pricing and quality of work
- Vendor independence gives wide choice of proprietary equipment, since adi Electrical is able to use all major component suppliers
- Bespoke system design to suit individual customer's applications

**Get in touch:**

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