GKW
The Busbar Specialist

Design • Manufacture • Fabrication • Installation

TRANSFORMER RETROFIT CASE STUDY

Power station transformer retrofit to suit emergent obstruction

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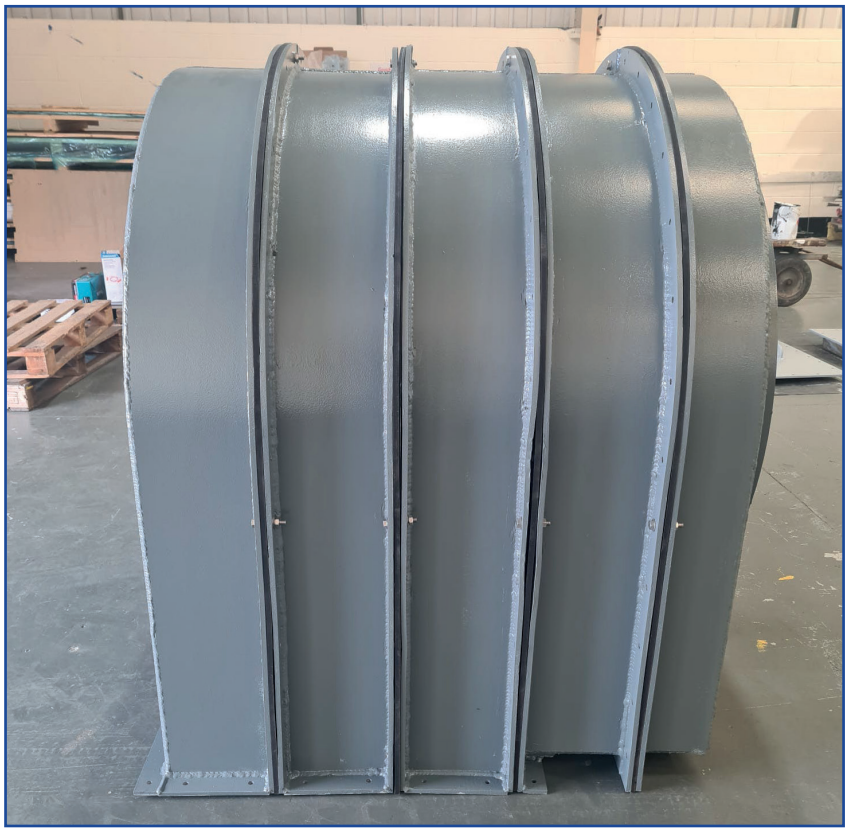
At GKW, our customers rely on our design and manufacturing skill to develop innovative fabrication solutions to their on-site challenge.

When a new acoustic enclosure blocked access to the connections to the client's set of transformers rated to 19,000 amps at 23,500 volts, they commissioned GKW to design and manufacture a new set of housings with an innovative disassembly and maintenance access method, bespoke to the new spatial constraints.

Project Overview

Our design team reverse-engineered the existing transformers and site conditions to inform the specification and design of our solution. Using our experience, we developed new housings that will make future maintenance seamless for both the client and our team.

As this project was required to be delivered within a short, imminent shutdown period, our team worked quickly and methodically to manufacture the housings, Earthing solutions, gaskets and fixings in a compressed timescale to ensure all six transformer housings were manufactured on time, ensuring there was no slippage in the planned shutdown period.



Gordon Kitto Welding Ltd
Unit 4 St Michaels Road, Lea Green, St Helens, WA9 4WZ
Tel: 01744 762 330 • Email: sales@gordonkitto.co.uk
www.gordonkitto.co.uk

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Specialist fabrication

Our fabrication system involves a meticulous process that commences with aluminium profiling, forming, and welding as well the final inspection and high-voltage electrical testing. As our fabricators are highly experienced, we were able to deliver these housings in a reduced timescale to meet the shutdown requirements.

Once we delivered the new housings to the power station, our team were able to seamlessly install them within the confined space and provide the on-site team with guidance on easily accessing them for maintenance.

By commissioning GKW to design and manufacture these specialist transformer housings, our customer could rely on our expertise from design to installation, safe in the knowledge; we had the skills, quality controls and team on hand to deliver within the timescale.

About GKW

With over 50 years of experience, our team excels in busbar engineering, offering a comprehensive service encompassing design, manufacturing, supply, installation, and commissioning.

We specialise in providing Site Services to power stations, process plants, and factories, delivering busbar systems and specialised fabrications using various materials.

Our global reputation for quality and professionalism stems from our adeptness in successfully merging our electrical and mechanical engineering skills to execute projects from design to installation.

To discuss your project with our expert team,
call 01744 762 330 or email us on sales@gordonkitto.co.uk

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