

Case Study



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| Client: <i>Scottish & Southern Energy</i> | Industry: <i>Power Generation</i> |
| Scope: <i>Turbine Hall Refurbishment</i> | Date: <i>2009/2010</i> |
| Location: <i>Fiddlers Ferry Power Station</i> | Products: <i>Epo-chem™ RS 500P & Easi-gloss™ RX 500GS</i> |

Overview

Fiddlers Ferry is a forty year old coal fired power station in England. It has four steam turbines located in the central turbine hall. This huge hall has a considerable amount of internal structural steel, including support girders and roof trusses. The hall was scheduled for general upgrade and complete repaint in 2009/2010. This project was carried out by Access Direct.

Challenge

The work must be carried out without operational shutdown. Due to steam turbines, the humidity in the hall is extremely high and all surfaces can be wet. Due to people working, the products used must also be solvent-free and odourless. The work had to be carried out by rope access as scaffolding would restrict the working of the cranes on site.

Epo-chem™ RS 500P primer and **Easi-gloss™ RX 500GS** finish coat were appropriate for this challenge.

Solution

The summary of the requirements of the job:

- Solvent-free
- Easy apply by brush/roller
- Can be applied by rope access only
- Can be applied in high humidity
- No grit blasting possible/feasible
- Hand preparation only
- Colour topcoat in various colours
- Minimum 20 years guarantee

There is only one product in the market that could satisfy all the above requirements; **Epo-chem™ RS 500P solvent-free wet & rust tolerant** epoxy coating was applied to all areas as a single coat of 250µ DFT followed by one/two coats of **Easi-gloss™ RX 500GS** water-based, high gloss finish coat @ 50-100µ DFT by brush and roller.

Continued overleaf

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Photographs

- Nos. 1 and 2 Rope technicians preparing for work
- Nos. 3 - 5 Application in progress

Outcome

Both the client and the contractor were completely satisfied with the application of the system and the completed work.

Benefits

- Solvent-free
- Water based, environmentally friendly
- Unique system unrivalled in the market
- No delays
- Easy and practical
- Huge cost savings

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Solvent-free • Water-based • Wet-tolerant
• Rust-tolerant • Zero VOC

- Tank & Pipe Linings • Under-water & Marine • Glassflake
- Rust Converters & Primers • Ceramic & Metal Repair • Anti-static, Conductive & Anti-slip Flooring
- Approved for Contact with Food, Drinking Water & Beverages • Damp or Green Concrete Primers
- Concrete Repair Systems • Elastomeric System
- High Temperature Systems • Fire Retardant • Insulation Systems

East Shawhead Industrial Estate
Coatbridge ML5 4XD
Scotland United Kingdom

Tel: +44 (0) 1236 606060

Fax: +44 (0) 1236 606070

Email: sales@chemcoint.com

Web Site: www.chemcoint.com

