Jacopa Case Study

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CLEARLY WASTEWATER

Thames Water - Refurbishment of Copa Raked Bar Screen - Beckton Sewage Treatment Works

Beckton Sewage Treatment Works

- Refurbishment of first line of defence
- High efficiency motor installed
- Off-site refurbishment
- Jacopa's engineering expertise and knowledge

The Brief

Beckton sewage treatment works is situated in the borough of Newham and is the largest treatment works in Europe, serving a population of circa 3.5 million. Jacopa were carrying out refurbishment work on an existing screen at Beckton and due to their close working relationship with Thames Water were asked to work directly with them as Principal Contractor under CDM regulations to refurbish one of their existing coarse raked bar screens.

The screen required a full overhaul including replacement of the headshaft, damper arms, scraper blades, return sprockets, guide tracks, chain track and repainting of the screen.

The Solution

To reduce down time and costs Jacopa utilised the mobile crane being used for their other work on site to remove the screen. It was then transported back to their workshop facility for a full strip down and examination before refurbishment by their experienced engineers and then returned to site and re-installed.

The Outcome

The screen is now providing a fully operational and reliable process, acting as the first line of defence and protecting the downstream equipment from excessive rag and other debris.

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