

Welsh Water – Scraper Bridge installation – Gowerton WwTW



Welsh Water

- Careful planning needed on busy, access-restricted site
- Robust, low-maintenance product
- In-house assembly to exact specifications
- Tight monitoring of costs and time
- Meticulous organisation required to match site activities

The Brief

Welsh Water Delivery Alliance Partners Morgan Sindall were looking to install new 16.3 half bridge scrapers on the settlement tank on the access-restricted and very busy 77,000 PE Gowerton treatment works in south Wales. The works discharges highly treated effluent into the Loughor estuary, a designated Special Protection Area, a Special Area of Conservation and a RAMSAR site. The scope also required new tripod assemblies, a riser pipe and bell-mouths for the works' new 29.6m diameter final settlement tanks.

The Solution

Morgan Sindall appointed Jacopa to provide the bridge scraper equipment, due to their well-known robust product design and as it proved to be the most cost-effective solution for the job. The large 16.3m half bridge scrapers were assembled in-house to the client's exact

specification and to allow tight monitoring of both costs and time. The size of the bridges meant that access to the busy treatment works site and the positioning of the units into the tanks had to be carefully planned. The timing of the installation was also meticulously organised to coincide with the site activities and the client's state of readiness.

The Outcome

The bridge scraper equipment provided a low maintenance cost solution with minimal spares requirements, and the robust design is able to resist sludge loads. Jacopa is able to provide a standardised range of bridge structures up to 45m in length, and can also fabricate units to suit site requirements.

