Welsh Water - Installation of Bosker automatic raking machine - Swansea Bay sewage treatment works

The Brief
Swansea Bay sewage treatment works is located on the Bristol Channel and operated by Welsh Water. It serves a population of circa 225,000. Welsh Water’s delivery partner, Imtech, asked Jacopa to provide an automatically raked coarse screening solution to protect the downstream process and act as a first line of defence at the inlet channel to the works which is 6 metres wide and 4.6 metres deep and experiences flows of up to 3106 litres/second.

The Solution
Jacopa installed a Bosker HD500 automatic raking machine with a 22 metre track and 2.1 metre grab which rakes a stainless steel inclined coarse bar screen with 50mm bar spacings and debris wash down sprays prior to depositing into the debris collection skip. Maintenance can be carried out safely on the unit whilst parked away from the inlet channel at a safe height.

The Outcome
The Bosker unit now automatically protects the whole of the sewage treatment works from large floating debris, rag and balls of coalesced fat and therefore increases the efficiency and performance of the site.

Welsh Water
- Manual intervention risk removed
- Low operational costs
- Minimal maintenance required
- Robust protection for downstream process and equipment
- Fully automatic, timed or manual operation

Contact Jacopa: Tel: +44 (0) 121 511 2400 Fax: +44 (0) 121 511 2401 Email: info@jacopa.com jacopa.com

Copyright © 2017 Jacopa. All rights reserved