

Cromex Ltd, Effluent Tank Installation

Project Scope – Effluent Tank Installation

Installation of two effluent tanks within a water treatment plant at a newly constructed battery manufacturing facility.



Project Overview

Jack Waghorn International Ltd (JWI) was engaged to install two large effluent tanks inside a newly built water treatment plant. The challenge lay in maneuvering these tanks into a plant room with restricted access and limited working space.

Challenges Faced

- 1. Limited Access:** The finished plant room had narrow entry points, requiring the tanks to be transported on their sides through the doorway.
- 2. Space Constraints:** The plant room had limited maneuvering space, necessitating careful handling to prevent damage to equipment and infrastructure.



- 3. Safety Considerations:** The operation needed to be executed within a busy construction site, requiring precise coordination and adherence to safety protocols.

Solution and Execution

JWI's technical team developed a strategic method to ensure the tanks were installed efficiently and safely.

- **Equipment Selection:** Two telehandlers of equal specification were chosen to facilitate safe lifting and transportation.
- **Rigging and Maneuvering:** The tanks were rigged at both ends using jib attachments and transported carefully through the doorway.
- **Precision Handling:** Once inside the plant room, the tanks were rotated into an upright position under the supervision of competent slinger/signallers.
- **Bund Installation:** Bunds were skated through the restricted access and positioned before placing and securing the tanks.

Outcome

The installation was successfully completed within the tight schedule, ensuring seamless integration with the broader construction activities. The project was executed with zero damage to equipment and met all client expectations.

Client Feedback

The project manager from our client commended the team's effort, stating: "Cracking job by the lads!"

Conclusion

JWI's expertise in handling complex installations under challenging conditions was instrumental in the successful completion of this project. Our commitment to precision, safety, and efficiency ensured that the effluent tank installation met all operational and client requirements.

