



PROJECT CASE STUDY

Stokesley STW Upgrade – Iron Compliance

Project Details

Client

Esh/Stantec

Project Value

£1,000,000

Project Summary

Retroflo were engaged by **Esh/Stantec** (supported by NWG) to undertake the mechanical and electrical installation of the new tertiary solids removal treatment plant at **Stokesley STW**. The project included pipework, valves, electrical sub-distribution, and system integration for telemetry and SCADA. Works also included installation of a new sump pump, modifications to existing street lighting, and completion of NICEIC 18th Edition inspection, testing, commissioning, and associated documentation.

Scope of Works

Retroflo provided a full end-to-end service, including:

- Supply and installation of above-ground 350 mm and 300 mm ductile iron pipework and valves
- Supply and installation of above- and below-ground 80 mm ductile iron backwash pipework and valves
- Electrical design including cable calculations, SLDs, cable diagrams and loop diagrams
- Supply and installation of electrical sub-distribution for new process plant with provision for future equipment
- Engagement of system integration subcontractor for telemetry and SCADA works
- Installation of a new sump pump
- Modifications to existing street lighting installation
- Mechanical and electrical installation, commissioning and associated documentation
- NICEIC 18th Edition inspection, testing and certification
- Power distribution and control panel installation

Results

- ✓ Fully compliant tertiary solids removal solution
- ✓ Reliable hydraulic and electrical performance
- ✓ Future-ready power distribution and telemetry integration
- ✓ Turnkey delivery completed on time with full certification



Need Help With a Water Infrastructure Project?

Contact us today to discuss how Retroflo can support your next upgrade.

Why Choose Retroflo?

With extensive experience in the water industry, Retroflo is a trusted delivery partner for complex electrical, mechanical and ICA upgrades. Our integrated approach ensures every component, from pumps to PLCs, is designed, installed and commissioned for long-term reliability and performance.

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