



Summary

Industry: Waste and Recycling
Application: Sewage Treatment Tanks
Actual Saving: £n/a
Payback Period:



Compact Drive Arrangement Solved with Fenner Cyclo

Increased drive efficiency within high ratio gearbox

ISSUE

As part of a project to upgrade a Treatment Works north of Glasgow, primary and secondary tanks were to be refurbished. The three secondary tanks were fitted with very old double reduction gearboxes driving the central shaft at approx 0.2 rpm, these inefficient drives were now obsolete and in need of replacing. The two primary tanks were driven by very old gear units located on the periphery of the tank at a speed of about 3 rpm.

SOLUTION

ERIKS were asked to visit site to propose a new drive solution for both tanks. Due to the existing walkways and framework the available space was limited, so a compact drive arrangement was needed.

Five Fenner Cyclo gear motor units were supplied for both applications, enabling installation to be carried out with no need to replace the existing bedplates or guarding and minimal machining required at site.

OTHER BENEFITS

- Increased drive efficiency within high ratio gearbox
- Increased internal component contact - Results in longer service life
- Robust construction - High Overload Capacity, up to 500%

FURTHER COMMENTS...

The new Fenner Cyclo Gear Motor Units were successfully installed and are operating to the full satisfaction of the Contractor and the Water Authority.

MORE INFORMATION

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