

Northern Ireland Water – Refurbishment of three CF100 Band Screens – Culmore WwTW, County Derry



Culmore WwTW, County Derry

- Refurbishment work undertaken by OEM
- All parts used were original OEM parts
- Cost effective utilisation of existing screens that were originally placed in chambers designed for screens that were of a completely different design
- Screens updated to offer many more years of reliable service
- Upgraded screen able to comply with extra capacity

The Brief

As part of the Northern Ireland Water Base Maintenance contract Jacopa were approached and asked to propose a solution to the issue of failing screens at Culmore WwTW due to changes in population from the design stage. The screens had initially been supplied by Jacopa in Circa 2005; they were designed especially to fit in chambers that originally housed Vertical Drum Screens. Jacopa were asked to come up with a cost effective innovative solution to this issue.

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The Solution

The solution proposed by Jacopa was to fully refurbish three of the existing CF100 band screens and install an extra new screen, this would be a cost effective solution as replacing the screens with any other type would involve having to change the civil structures to facilitate other screen designs, Jacopa could easily have sold complete replacement screens rather than opting for full refurbishments but due to the confidence they have in their products knew without doubt that the existing screens would be the best cost effective solution to the problem at hand.

The Outcome

Along with further refurbishment on site by Jacopa of the Screenings Handling Equipment and Grit Extraction Plant, Northern Ireland Water found that their site capacity issues had been solved and now had a very reliable up to date Treatment Works. Coupled with regular maintenance visits from Jacopa the plant is kept in very good working order and has surpassed all expectations.

