

# ROBUST SCREENING TECHNOLOGY FOR ACACIA PRISON

## CASE STUDY



As part of an upgrade design and built for Acacia Prison by Factor UTB, Hydroflux Epco supplied an inlet screening package.

Sewage from the prison is pre-screened for removal rags, plastics, bags and gross solids. All solids that are removed are compacted prior to discharge to a bagging unit, which provides a hygienic method for collection of the screenings.

The benefits include:

- High screening efficiency and capture due to perforations
- Heavy duty design to cater for gross solids that are produced in this application
- Integrated screenings compaction
- Fully enclosed and guarded
- All stainless steel fabrication

The equipment installed was the HUBER Ro9 Spiral Screen technology.

Item	Value
Max Capacity	35 L/s
Screen Aperture	6mm
Headloss	250mm
Solids Compaction	35% dry solids

To facilitate site installation the screen was provided with its own stainless steel influent channel, that includes a bypass channel and manually raked bar screen.

As flow enters the screening section, solids are retained on the high capture perforated screen media. These solids are then cleared via a specially design screw that is fitted with a brush. Solids are conveyed up an incline, compacted, washed and delivered into a screenings skip.

Operation in automatic and based on intermittent control of the screen. All wetted components are fabricated from stainless steel.

The HUBER Ro9 Spiral Screens are suitable for packaged sewage treatment plants, municipal inlet works and industrial applications.

