

# COMPACT PACKAGED INLET WORKS SYSTEM FOR PEMBERTON WWTP

## CASE STUDY



### THE CLIENT

The Pemberton WWTP was recently upgraded to increase capacity and discharge quality. Part of the upgrade included a HUBER Ro5 Packaged Inlet Works.

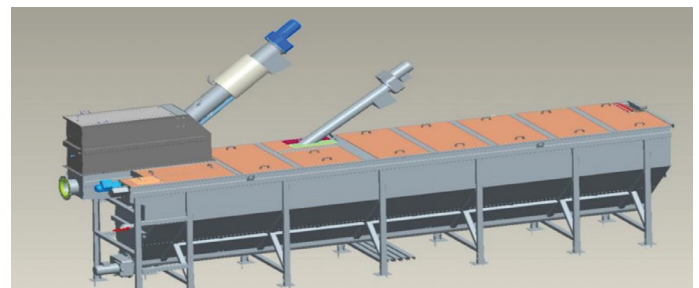
### OVERVIEW

The system removes screenings, bags, plastics and sand from the raw sewage flow, prior to treatment in the downstream process.

Being a package system, fully fabricated from stainless steel, site installation time and cost is reduced as compared to traditional inlet works that use suspended concrete structures.

The benefits include:

- High screening efficiency and capture due to perforations
- High efficiency grit removal system
- Integrated screenings compaction
- Integrated bypass chamber with manually rake bar screen
- Fully enclosed and guarded



- All stainless steel fabrication

The packaged system consists of an inlet screening chamber which is fitted with a HUBER Spiral Screen, and then a horizontal grit removal chamber.

These are both housed within a single stainless steel tank, that is provided with influent and effluent flanges, support legs and chutework to direct the captured by-products to the associated disposal skips.

To facilitate odour control, the tank is fitted with odour extraction ports and the byproducts are discharged into seal bags for offsite disposal.

*"A traditional inlet works requires the design and construction of a suspended or below ground concrete structure, depending on the site.*

*At flows below 10MLD, it is more economical to use a HUBER packaged inlet works system, as the design and hydraulic layout is catered for by Hydroflux Huber and only minor site works is required to install the system"* says John Carroll, Director of Hydroflux Epco.

Item	Value
Max Capacity	50 L/s
Screen Aperture	6mm
Headloss	250mm
Solids Compaction	35% dry solids