

CONTAINERISED “PLUG & PLAY” HUBER Q PRESS DEWATERING SYSTEMS SUPPLIED TO PNG SEWAGE TREATMENT PLANTS

CASE STUDY



The Hydroflux containerised HUBER Q Press sludge dewatering system has been supplied to two sewage plants in PNG. The screw presses are utilised for both existing and new sewage plants to mechanically dewater the sludge as to avoid manual handling and liquid sludge transport costs.

Sludge removal and disposal is made simpler via mechanical dewatering, especially in tropical climates.

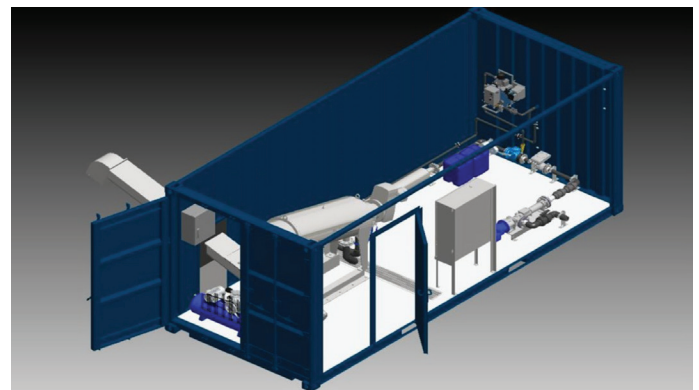
The simplicity and robustness of the containerised system proves to be a winner for these remote sites where anything else would be unnecessary.

The system is fully factory assembled and tested and contained within a shipping container which makes site installation and commissioning straightforward. Once sludge, power and water connections are made on site the unit is ready to dewater.

The containerised systems supplied included all required ancillaries namely; the HUBER Q Press for dewatering, cake conveyor to allow cake discharge to a truck or skip bin, sludge feed pump, liquid polymer make up and dosing system, air compressor, MCC and PLC control system.

Key Benefits

- Fully factory assembled and tested
- All ancillary equipment supplied and installed in the container



- Plug and Play
- Customisable
- Automatic Unattended Operation

A 95% reduction in sludge volume is achieved by the flocculated sludge draining through wedge wire mesh and being conveyed by the tapered screw through the drum which gradually applies increasing pressure to the sludge mass to remove all free water.

The result is a dry, drip free, spadeable and truckable cake that will stockpile.

Item	Value
No. of Units	2 (1xQ280 and 1xQ440)
Capacity	4 and 9 m3/h
Feed Solids	0.5 - 2%
Dry Solids	17 - 22%