

PANTHER™

ADVANCED AERATION TECHNOLOGY

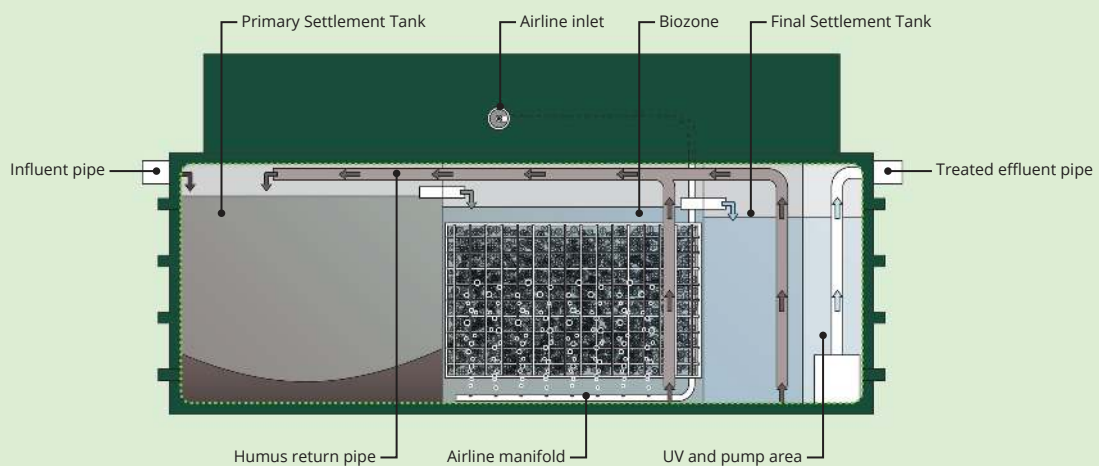
Ecoprocess Engineering Limited provides a full design, manufacture and supply service of the Panther™ wastewater treatment plant with the optional Lynx™ range of pumps, grease management and off-grid solar power solutions – offering you:

- No fee initial consultation
- Detailed site survey and analysis
- Highly effective and proven technology
- Durable and easily maintained plant
- Comprehensive warranty and after sales support



The effluent treatment performance together with the lack of complex moving parts mean that the Panther™ is ideally suited for installations where outflow quality, durable operation and ease of long-term maintenance are paramount – whether mainland or island, urban or rural. Typical applications include:

- **HOTELS AND GOLF COURSES**
- **RESORTS AND VILLAS**
- **PRIVATE ISLANDS**
- **SMALL COMMUNITIES**



Typical Panther™ cross-section

TECHNOLOGY

The Panther™ utilises proven technology and a robust natural process which, coupled with advanced self-regulating aeration technology, permits variable flows and loads to be treated efficiently. The three-stage plant can be buried or ground mounted, incorporating: primary settlement, biological treatment and final settlement. **The Panther™ is extremely efficient and uses less than 10% of the energy required for a conventional activated sludge treatment plant with a typical ROI of 2-5 years.** The Lynx™ range of complimentary products gives the complete sewerage solution where a bespoke decentralized plant is desirable.

Features of plant

Advanced aeration technology

Bespoke design/sizing

Self-regulating return pipe

Low flow and load capability

Robust natural process

Underground option

Low blower power rating

No complex moving parts

Plug and play set up

No specialist staff needed

Minimal spares list

Easily maintained

Reuse of treated water



Benefits to you

Efficient processing of effluent

Lower footprint / Lower civil engineering cost

Can deal with low and no flow conditions

Highly fluctuating usage patterns accommodated

Noise and odour free, no chemicals required

Low aesthetic impact / hurricane resistant

Reduced running cost

High reliability and longevity of plant

Easy installation and commissioning

Low operational complexity and cost

Speed of repair and low downtime

No specialist technician required

Typical ROI 2-5 years

PERFORMANCE

The Panther™ process is designed in accordance with the requirements of BS 6297 and certified to BSEN 12566 – Pt3. It produces an effluent quality suitable for irrigation with an output of 20mg/L B.O.D.: 30mg/L Suspended solids: 20mg/L NH4 or better where specified.

ADDITIONAL LYNX™ OPTIONS

- 'Off-grid' solar option
- UV disinfection
- Pumped discharge
- Grease traps
- Remote telemetry monitoring

