



RE-DEPLOYABLE OFF-GRID WASTEWATER TREATMENT

Ecoprocess Engineering designs, manufactures and supplies the Panther Deploy™ containerised wastewater treatment plant with optional Lynx™ off-grid power solution – offering you:

- Complete off-grid capability
- Strong and secure steel construction
- Speed and ease of deployment
- Durable and easily maintained plant
- Plug and play set up
- Total turnkey solution



Green



Sand

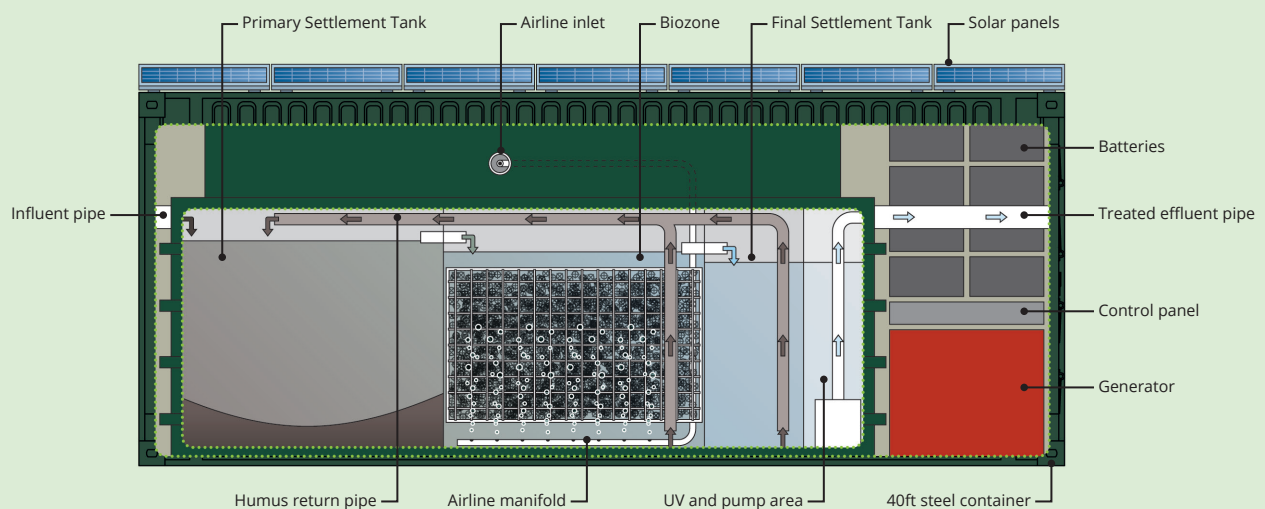


Camouflage

Typical colour options

Panther Deploy™ is specifically designed for sites lacking local infrastructure where safe sanitation, robustness and speed of set up are paramount. Applications include:

- **WORKERS ACCOMMODATION**
- **MILITARY USES**
- **AID CAMPS**
- **REMOTE LOCATIONS**



Typical Panther Deploy™ cross-section

TECHNOLOGY

The Panther Deploy™ utilises 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 is entirely containerised, incorporating: primary settlement, biological treatment and final settlement. The Lynx™ power solution combines a photo voltaic array, battery storage and high efficiency generator, and is custom designed to meet the power demands of the Panther Deploy™ – allowing reliable autonomous off-grid operation.

Features of plant

Standard size shipping container

Readily scalable

Low flow and load capability

Robust natural process

No complex moving parts

Underground option

Plug and play set up

No specialist staff needed

Minimal spares list

Easily maintained

Lynx™ off-grid power solution

Steel external construction

Customised paint finish option



Benefits to you

Speed and ease of transportation

Phased and reactive site planning

Highly fluctuating usage patterns accommodated

Noise and odour free, no chemicals required

High reliability and longevity of plant

Minimal visual impact/hurricane resistant

Easy installation and commissioning

Low operational complexity and cost

Speed of repair and low downtime

No specialist technician required

Widest choice of operation locations

Strong and secure

Choice of aesthetic impact

PERFORMANCE

The Panther Deploy™ 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