

LIZARD ISLAND RESORT BENEFITS FROM ROADTRAIN® PACKAGED SEWAGE TREATMENT PLANT

CASE STUDY



Hydroflux Epco Roadtrain® packaged sewage treatment plants have been used in numerous holiday destinations by some of the largest resorts.

Lizard Island installed a Roadtrain system in 1999 to treat the wastewater generated from the resort.

The Roadtrain® treatment system included:

- Equalisation Tanks
- Fine Screening for solids removal
- Aerobic Reactor
- Secondary Clarification
- Disinfection
- Sludge Drying Beds
- Controls and SCADA



Roadtrain® is ideally suited to remote located sites, where a high level of pre-fabrication reduces and simplifies the installation process.

Being an activated sludge process with intermittent aeration control, the system achieves high levels of nitrogen removal, as well very low BOD levels. There are numerous Roadtrain systems installed in environmentally sensitive areas, such as Far North Queensland.

Compared to MBR systems, the process is simple and does not require complex instrumentation and frequent cleaning of membranes (Clean In Place).

Hydroflux Epco packaged plants are operating across 4 continents with over 150 installations.

The systems are ideal for remote locations, where a robust process and mechanical design along with minimal operator attendance is required.

Item	Value
Capacity	600 EP
Process	Extended aeration
TN Limit	20 mg/L
TP Limit	5 mg/L
Faecal Coliforms	100 cfu/100mL
Year	1999