

# Pacific Harbour

## Waterfront and Golf Community

Pacific Harbour is a remarkable waterfront and golf community on South East Queensland's Bribie Island.

It Was the Queensland EPA who first suggested to the developer that he should consider the use of a vacuum sewer system on this site, due to the high water table and environmental benefits that would come from such a system. Unity Water were also keen due to their historic relationship with Flovac and were satisfied that they would end up with a quality installation which would ensure low maintenance and a safe working environment for their operators.

The developer QM Properties could see that with just a single vacuum pump station rather than the 14 gravity pump stations called for in the gravity design there would be a number of positive outcomes including

- Low Energy Use
- Lower Capital Cost
- Shorter Construction Time
- More land available for developer inturn improving the homeowners environment, not being located next to sewerage infrastructure
- Less intrusive construction for residents already moved in.



Vacuum Pump Station



Low Carbon Footprint



Operator Friendly System



## Award Winning Project

- UDIA Best Residential Development in Australia
- Prime Ministers Award for Excellence in Community Business Partnerships
- Queensland Champion Project for Sustainable Development
- Enviro Development Certification
- Australian Golf Environmental Member

### Other Similar Projects

Calypso Bay Golf Course Resort; Coomera Waters; Port Kennedy Golf Course; Hope Island; Cova Resort; Bayview Resort, Darwin; Harrington Waters, Port Mandurah



Pacific Harbour Development Bribie Island



Coomera Waters Gold Coast



Hope Island, Gold Coast



The use of Flovac Vacuum Sewerage Systems at golf course resorts and canal developments have mainly been due to the low cost of installation compared to alternative systems.

Low capital cost and low operating cost.

Developers find the cost benefits compelling, especially the speed of installation. With only shallow trenching required time on site by construction crews is 50 - 70% less than with a gravity system. This allows the developer to gain approval to start selling a lot faster.

Environmental benefits are just as important.

- No Overflows
- Low Carbon Footprint
- Low Energy Use
- Shallow Trenching