



Purpose of installation

The in building black water recycling system installed by WJP Solutions at "The Gauge" office development in Melbourne's Docklands precinct assisted Lend Lease to deliver Australia's first 6-star As-built office building.

Use for treated water

Toilet flushing

WJP Solutions' role

WJP Solutions provided engineering design services prior to installing and commissioning the plant which it now maintains. During the design development phase of the project WJP Solutions assisted the design team with the integration of the plant, associated tanks and services into the base building structure.

Technical specifications

Integrated in-building plant

System design capacity - 10,000 litres per day

Principal elements of the treatment process:

- inlet / screening system (GSS)
- balance tank (stainless steel)
- bio-reactor aerobic tanks (GRP)
- membrane operating system (stainless-steel)
- Other chemical dosing systems
- chlorine disinfection system
- treated water storage tank/s (Poly.)
- full PLC / SCADA automation system inc. remote monitoring and BA interface
- automated sludge removal system (to sewer)

