



Purpose of installation

Digital Harbour at 1010 La Trobe Street, which was designed to minimise its ecological footprint and provide inspiration and knowledge for future projects, is acknowledged as one of Melbourne's most affordable and innovative green commercial buildings

The building's rating 5-Star As-built rating from the Green Building Council of Australia was achieved, in part, by the installation of the WJP Solutions' wastewater treatment plant.

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 a purpose built plant area.

Technical specifications

Integrated in-building plant

System design capacity - 300,000 litres per day

Principal elements of the treatment process:

- Gross solids separator
- balance tank (Concrete in-situ)
- In line screening
- CMF-S Micro-filtration plant
- Pre R/O conditioning system
- Reverse Osmosis system
- UV System
- chlorine disinfection system
- treated water storage tank/s (Concrete in-situ)
- full PLC / SCADA automation system and BA interface

