

PROJECT BRIEF

TW Treatment System



Sembcorp Changi NEWater Plant

Changi NEWater Plant was established in 2008. In early 2009, the project won the "Annual Water Project" title in "2009 Global Water Awards" ceremony which held in Switzerland. The project is located near the international airport in the eastern part of Singapore, which is covered an area of 32 hectares, treating water 800,000 m³ / day, to be the first scale new water plant of Singapore. At a total capacity of 228,000 m³ /day (60 MGD), the plant will provide approximately 15% of Singapore's water demand by 2010. SembCorp Industries is as the general contractor and designer of the Changi NEWater Plant, and Bewater is responsible for the procurement and manufacturing of the RO treatment equipment.

The PASS stainless steel piping system was chosen for this project because of ease of maintenance since each coupling acts as a union, allowing easy access to the system. By utilizing PASS products the contractor was able to reduce the construction schedule.

SOLUTIONS

Speed up the installation, and save investment

OWNER

Singapore Public Utilities Board

CONTRACTOR

SembCorp Industries / Bewater

ENGINEER/CONSULTANT

Bewater

COMPLETED DATE

2008/2009

SPECIFICATIONS:

SERVICES:	PIPE MATERIALS	WORKING PRESSURE	PIPE SIZE RANGE
Reverse Osmosis Water	304SS	300psi	1-8 "