

Panasonic Environmental Systems & Engineering Co.,Ltd.

Integrated engineering for water treatment

• Total solution provider of water treatment & waste liquid recycling

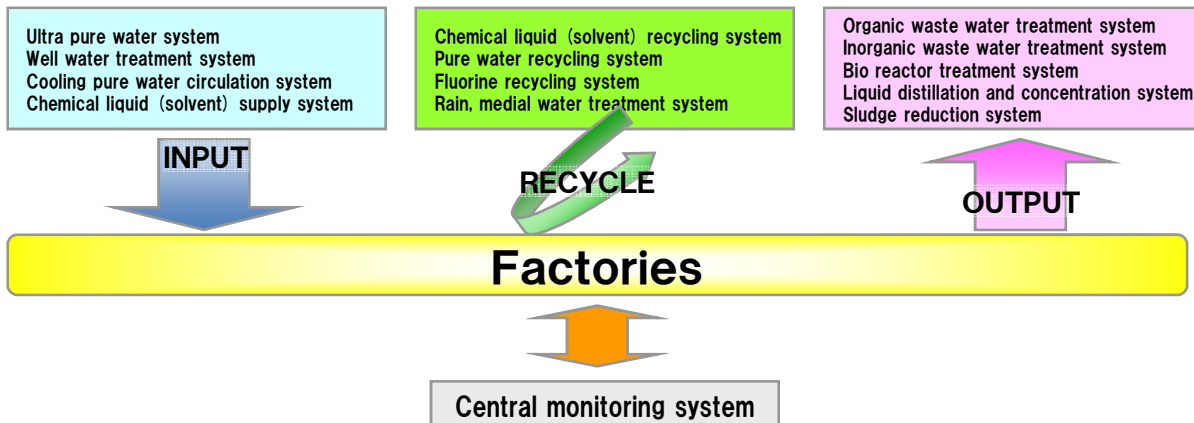
Our Specialties

- Construction of stabilized water supply system in high quality,
- High efficiency collection and recycling system of used pure water from production process,
- And high efficiency systems for waste liquid treatment from various factories, reduction of waste material and waste water.

Overview (Technical principles, actions, etc.)

We have been engaging at many water treatment related systems since 1970, having being providing from preliminary diagnose of components of waste water, proposal of basic system and implementation of optimal design & build based on location condition.

We provide ultra pure water systems, chemical liquid supply systems as well as waste liquid recycling systems to the factories such as semi-conductor factories, LCD factories etc. where high grade water treatment throughout supply, dilution, recycling and collection is required with integrated engineering,



Delivery Record

- Semi conductor factories
- LCD factories
- Plasma display factories
- Food / fishery processing factories
- Electronics device factories
- Chemical / Pharmaceutical factories
- Primary / Secondary battery factories
- Automobile parts factories
- Painting factories
- Machinery factories
- Optical product factories
- Municipal river water purification center
- Waste water treatment plant (WWTP)

Holding technologies

- Improvement of failure rate, realization of energy saving and zero-emission factory with the technologies of ultra pure water supply, chemical supply, recycling and waste water treatment

Pure water supply



Reverse osmosis



Ion exchange resin



Electro dialyzer

Chemical supply



Chemical supplier



Developer dilution system



Ultra pure water circulation cooler



CMP supplier

Recycle plant



Stripper recycling system



Developer recycling system

WWTP



Fluoric WWTP

Effects

- Reduction of water usage by 35% (in comparison between 2006 and 2010 for new factories)
- 94% of water recycling ratio (2011)
- 90% out of waste liquid recycled (2011)

**Panasonic Environmental Systems
& Engineering Co.,Ltd.
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