

EPC (Engineering, Procurement, and Construction)

Customer needs has been diversified and advanced by expecting values, such as energy saving, improvement of cost efficiency, and recovery of energy and other valuables. In order to build facility which exactly meets customer needs, high EPC (Engineering, Procurement, and Construction) capability is requested. Veolia has been offers solutions which meet the needs of individuals and industries around the world.



Water Solutions

We meet the needs of our customers by utilizing and optimizing a wide range of water treatment technology. We also contribute to the effective use of resources providing technology to separate and recover valuable substances in waste fluid and wastewater.

<Water Treatment>

- Standard activated sludge treatment process
- Activated sludge treatment with pure oxygen (UNOX®)
- Rotating bio-disc oxidation
- Activated sludge treatment with a swaying career (Biofringe)
- Biological nitrification and denitrification
- Activated sludge treatment with a separation membrane module
- Moving bed biofilm reactor (MBBR)
- Anaerobic processes
 - Upflow anaerobic sludge blanket (UASB) / Expanded granular sludge bed (EGSB)
 - Fixed-bed anaerobic digester (Methano Clean H/S)
- Evaporation technology
- High-efficiency micro-filter (DISCFILTER, DRUMFILTER)
- High-rate clarifier (ACTIFLO®)
- Sewage force main hydrogen sulfide suppression
- Sludge reforming and volume reduction
- Ozone treatment using a PSA oxygen generator
- Hazardous wastewater treatment

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<Recycling Technology>

- Phosphorous recovery
 - Phostrip
 - Hydroxyapatite (HAP) / Magnesium ammonium phosphate (MAP)
 - Recovery from sludge incineration ash
- Alkali recovery (wastewater treatment for aluminum processing factory)
- Nickel recovery
- Sulfuric acid recovery / Aluminum sulfate production

Pure Water

We provides technologies for the production and recycling of pure water, which is essential for a wide range of industries.

- Microfiltration Equipment (MEMCOR® CMF)
- Pure Water/Ultra Pure Water Systems
- Wastewater Recycling

Gas Solutions

PSA/VSA oxygen generators that supply pure oxygen at low cost by separating oxygen from air.

PSA/VSA oxygen generator technical information

<Applications>

- Melting furnace (garbage incinerator, etc.)
- Copper / zinc smelting industry
- Electric steel furnace
- Oxygen enrichment facility (fermentation, etc.)

For more information, please contact following companies

- Veolia Jenets K.K.