

The Right Solution for Each Customer

Whether for an existing system upgrade or for building new facilities, Veolia Water Solutions & Technologies can manage the most challenging projects from basic engineering to plant start-up and operation. Veolia Water Solutions & Technologies' network organization pools together global expertise and local resources to guarantee timely project delivery and the highest engineering standards available in the industry.



Engineering Capabilities

By pooling together Veolia Water Solutions & Technologies' global expertise and local design teams, we guarantee to deliver a plant that meets not only the industry's most stringent quality standards but also the requirements of local codes and regulations. From process design to shop drawings and scada programming, Veolia Water Solutions & Technologies' team of design engineers work closely with our customers to deliver a system that meets all functional requirements and integrates seamlessly into the facility.

Fabrication and Assembly

In addition to its own workshop facilities, Veolia Water Solutions & Technologies employs a number of certified fabricators and suppliers. Our strict quality control standards guarantee that all system components are designed and manufactured to operate as a fully integrated system, ensuring consistent water quality and years of reliable operation.

Construction and Commissioning

With years of first-hand experience managing EPC projects, our project managers lead multi-functional teams of mechanical, electrical and control engineers working hand-in-hand with our clients to guarantee the timely delivery of the project. We also have a long working relationship with various subcontractors specializing in the different required trades, and who fully understand industrial health & safety requirements as well as quality standards.

After-Sales Service

Veolia Water Solutions & Technologies provides comprehensive after-sales service to its customers encompassing emergency repair works (24/7 hotline), PLC troubleshooting, preventive maintenance, water analyses, instrument calibration, etc. We also maintain warehouse facilities across the region, which hold critical spare parts and consumables.



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Solutions & Technologies

Total Water Solutions for
the Microelectronics Industry


Solutions & Technologies

Veolia Water Solutions & Technologies Technology Roadmap



Make-Up & Primary DI

- Pre-Filtration
- Organics Removal
- Two-Pass Reverse Osmosis
- Continuous De-Ionization



Polished DI

- UV Oxidation
- Degasification
- Low-TOC Polishing Mixed Beds
- Ultra-Filtration



Reclaim

- Organics Removal
- Biological Treatment
- Continuous Micro-Filtration
- Selective Ion Exchange
- Membrane Systems



Waste Water

- pH Neutralization
- Biological Treatment
- Physical-Chemical Treatment
- Micro / Ultra-Filtration
- Sludge Treatment

Capitalizing on our experience with the world's leading chip manufacturers in the US, Europe and Asia, Veolia Water Solutions & Technologies is your partner of choice for turnkey ultra-pure water, reclaim, and waste water treatment systems.



From Process Design to Successful Start-up & Operation

Ultra-Pure Water for State-of-the-Art FAB Applications

Extreme low boron, silica and TOC are required for the latest UPW developments. Backed by more than 150 R&D engineers and the expertise gained with the industry's latest 8"-12" FABs, Veolia Water Solutions & Technologies offers integrated design for single-digit ppt water quality, with a particular know-how in technologies such as:

- High-purity chemical-free CEDI
- High-efficiency reverse osmosis
- Ion-selective ion exchangers

Enhancing FAB Performance by Conserving Water

As increasing burden is placed on limited water resource, cost of water usage, treatment and discharge is rising. At Veolia Water Solutions & Technologies we use our in-depth knowledge of FAB operation and tool wastewater segregation to design cost-effective reclaim systems which maximize water re-use. Redundant system design guarantees extremely high reliability and full utilization of production equipment.

Protecting our Environment and Reducing Costs

Minimized wastewater discharge helps to protect the environment, reduces the FAB water use and saves money. Veolia Water Solution & Technologies' process engineers have extensive experience in chemical-free technologies, multiple membrane treatment processes and low energy consumption systems to reduce wastewater discharge, lower overall cost and help create a better environment.

