



Choose certainty.
Add value.

Water Services – Water efficiency for industries

Foster sustainability, resilience
and water efficiency.

Your challenges

Demand for water is rising at a time of increasingly frequent shortages worldwide. This leads to growing competition between non-industrial areas of usage such as energy, agriculture and domestic consumption. “Business as usual” water management practices will risk approximately US\$63 trillion or 45% of the projected 2050 global GDP¹. As water management is an important issue for stakeholders, the public, NGOs, the downstream supply chain, financiers, investors and regulators, companies need to review their water processes and treatment technologies. Manufacturers and operators must consider optimisation and economisation of water streams as well as investment in new systems.

What water efficiency services does TÜV SÜD provide?

TÜV SÜD provides services for manufacturers and operators in water-sensitive industries that lead to higher efficiency, availability and resilience of water processes. These services include the development

of an integrated water strategy, risk and impact management, and technical advisory.

Why are these services important to you?

Manufacturers and operators are under constant pressure to improve the quality, cost efficiency and resource efficiency of their production processes. By identifying potential risks, implementing best practices, managing water usage and meeting national and international quality standards, your organisation can increase its efficiency and resilience while promoting sustainability.

How can we help you?

TÜV SÜD possesses years of experience as an independent and impartial partner for manufacturers and operators in water-sensitive industries. We offer support for every stage of the value chain. Our experts provide knowledge services in planning phases through as-is analysis and risk analysis up to final technical services and training through development phases and maintenance.



Our water efficiency services

■ Knowledge services

By providing pre-screening, scoring and benchmarking as well as tools for integrating water stewardship into the supply chain, we help organisations to increase water efficiency, implement water management systems and meet environmental requirements.

■ As-Is analysis

Our experts help you create an inventory control and water balance sheet, develop system catalogues and review your processes. We explicitly support the development of customer-specific requirements and goals.

■ Assessment services

TÜV SÜD highlights risks by reviewing engineering processes, system operations and production plants regarding water processes and waste water treatment. Our international experts support you with industry-leading knowledge of national and international legal requirements and Best Available Technology (BAT); for example, discharge limits for the U.S. pulp & paper industry according to 40 CFR 410, German discharge limits for textile processing according to AEV legislative regulations and Chinese discharge limits for sugar processing industry according to National Environmental Protection Standard HJ 2018-2012 and the EU Water Framework Directive.

■ Audit and certification

We are one of the first companies accredited to certify Water Efficiency Management System according to Singapore Standard 577 (SS577) and Water Stewardship according to European Water Stewardship (EWS).

■ Training

Our experts train your staff to operate in line with national and international standards and environmental requirements.

■ Water footprint

We can calculate or verify your water footprint according to the upcoming standard ISO 14046 or the Water Footprint Assessment Manual.

Your business benefits

- **Save money** – by reducing your water footprint, implementing new technologies for water and waste water processes, and increasing water efficiency.
- **Minimise risk** – with risk identification, innovative solutions and pro-active stakeholder management.
- **Gain a competitive edge** – by complying with current and upcoming national and international legal requirements, thereby strengthening relations and partnerships with investors.
- **Benefit from an expert partnership** – with leading technological expertise and professional insights that help you prepare for potential future regulations.
- **Enjoy global support** – with a worldwide network, a focus on trends in the water sector and the best local knowledge in all key markets.

Why choose TÜV SÜD?

As a trusted partner for the water and waste water sector, TÜV SÜD has a reputation for independence and impartiality. Our deep, interdisciplinary expertise improves the quality and efficiency of your water processes and water-related technologies. We help to identify, address and manage potential risks, thereby optimising processes for our clients. Our holistic approach covers all phases of the water system value chain, from planning and operations up to maintenance. With our comprehensive service portfolio and deep understanding of water-related technologies, we offer a single source for technical services and support.

Choose certainty. Add value.

TÜV SÜD is a premium quality, safety and sustainability solutions provider that specialises in testing, inspection, auditing, certification, training and knowledge services. Represented in over 800 locations worldwide, we hold accreditations in Europe, the Americas, the Middle East, Asia and Africa. By delivering objective solutions to our customers, we add tangible value to businesses, consumers and the environment.

Related services

TÜV SÜD provides the following related services:

- Energy Efficiency
- ISO 50001
- ISO 14001
- Water services – QA/QC

1. Carbon Disclosure Project Water Disclosure Global Report 2012