

REFERENCE CASE WATER & WASTE WATER



Project management, construction and design services for sewage plants across São Paulo state

When the Departamento de Águas e Energia Elétrica (DAEE) required project management services for the construction of sewage treatment plants in São Paulo state in Brazil, it was essential that operational strategies tied in with budget, time and resource allocation concerns. That's why they turned to TÜV Rheinland.

Basic facts	
Client	Departamento de Águas e Energia Elétrica (DAEE)
Involved companies	Miscellaneous companies involved in project execution
Timeframe	October 2008 – December 2010
Project location	São Paulo, Brazil
Main services	<ul style="list-style-type: none">▪ Project management services, including design analysis, field supervision, topographic services and project monitoring▪ Design project for sewage treatment plant

Initial situation and requirements

The DAEE is São Paulo state's water and energy resource management agency. The agency is involved in flood prevention strategies, bridge building, canalization and general water and energy investment projects. Serving all 53 cities of São Paulo state, DAEE required an experienced business partner it could trust when it came to locating the right project management and design services for the work performed at the state's sewage treatment plants.



Água Limpa

Solutions, results

Due to its advanced knowledge of project management services for vast infrastructure projects involving multiple sites, TÜV Rheinland was the preferred choice for DAEE.

The construction of sewage treatment plants in up to 53 cities of São Paulo state, whilst keeping existing facilities fully functioning and operational, required both technical expertise and extensive project management services. We were able to provide this with a detailed suite of services, including design analysis and supervision in the field including topographic services and constant project monitoring.

In up to five cities of the state, the design of sewage treatment plants required detailed technical analysis, including further topographic services, drilling and sewage studies as well as works incorporating mechanics, hydraulics, and related earthworks. Infrastructure design considerations were also of paramount importance, with considerable weight given to the design of sewage treatment plant structure, electrics, and architecture as well as the plant's relationship with the environment. With our experienced team, we were able to coordinate and monitor our services across multiple sites and effectively conduct our project management services for the sewage treatment plants.

Did you know?

The sewage treatment plants of São Paulo state serve a population of more than one million.



Benefits for the client

With our complement of services, the DAEE could be certain that:

- On site expertise was provided, including specialist engineers and technicians.
- The work provided was within budget and on schedule.
- Specific and comprehensive selection of resources across multiple sites was overseen.

Your contact:

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About TÜV Rheinland:

Founded 140 years ago, TÜV Rheinland is a global leader in independent inspection services, ensuring quality and safety for people, the environment, and technology in nearly all aspects of life.

We inspect technical equipment, products and services, oversee projects and help to shape processes for companies around the world. Since 2006 we have been a member of the United Nations Global Compact to promote sustainability and combat corruption.

Our approach to project management is accomplished through the application and integration of appropriate processes throughout every phase of the client project. We can provide general coordination, technical support, planning and execution supervision and we can also monitor cost, quality, time, communication, risk, safety and environmental impact for both work carried out and the materials used.

We also coordinate all parties involved in your project, including design and consulting companies, contractors and suppliers.