Rio de Janeiro
THE DELICATE BALANCE OF WATER MANAGEMENT

In a region with plenty water, a disproportionate demographic pressure, submits the water to an huge stress, making their preservation vital.

Rio de Janeiro (state and city) is a region that has plenty of fresh water, however, the huge human pressure on this resource, threatens its sustainability and its availability. This threat is now a reality and has implications in many aspects related to the human cycle of its use; The origins of freshwater are being seriously depleted and polluted by insufficient treatment of wastewater and it´s urgent to improve the operation and maintenance of existing infrastructure. Aware of this responsibility Águas de Juturnaíba, an Águas of Brazil company, decided to tackle some of the problems related to water loss, operational control of its infrastructure and the preservation of its water environment.

It was in this context that in 2012 Águas de Juturnaíba decided to implement NAVIA™. They decided to adopt this operational management tool, that had a very quick and easy deployment, the acceptance by the staff was excellent and the results were immediate. The implementation covered the entire cycle of water, or as someone said "river to river."

Sustainability in water management

NAVIA

The two extremes of this delicate cycle; the lagoon of Juturnaíba, a single source of freshwater, and the hypersaline lagoon of Araruama, the final destination of wastewater. Between them, a population of 2M inhabitants in the high season, very high losses, poor infrastructures and a destination for luxury holidays.

The Results:

- The Software has been stablished with enthusiasm by the teams in 2 months.
- Support all the activity of the production and distribution temas of water and wastewater.
- Aggregation in a single database, all information from operational and Laboratory teams, increasing the productivity of the entire team, with particular emphasis on the production of reports and indicators and decision making.
- Rationalization of labor costs, maintenance, energy and chemicals.
- Águas de Juturnaiba team, two months after the implementation was completely autonomous on the software parametrization.
- The best knowladge about the infrastructure, generated huge gains in quality, eficiency and reliability, making possible to.
- A better understanding of the infrastructure generated large gains in quality, efficiency and reliability, allowing to implement corrective actions related to water loss.

About A2O:

A2O is a leading software provider to operational management for water utilities.

NAVIA, our innovative software, integrates with existing management systems to help utilities to make decisions, increasing productivity and quality in the provided service.

NAVIA also contributes to improve greater consistency in operations and increases team motivation.

Applying our smart and friendly user software, our deep knowledge about the water industry and an outstanding commitment to support, will turn in to significant gains in operational efficiency and water quality. **"A2O make it happens"**.

Because the operational management is critical for achieving results.

www.navia.pt