tango

A quick and simple overview of verified and trusted data in one place

Is your city or industry facing
challenges in managing the operation of sewage treatment plants?

Do you have to **wait for information** from the field or from facilities?

Tango is the solution
you're looking for.

Tango is a **modern information solution** to ensure cost-effective planning, and efficient control and management of systems in **smart cities**.

It solves the challenges of modern business, as it constantly monitors the situation and changes in the physical system, and helps you respond to the current situation with **quick and smart decisions**.

Challenges in the management of sewage treatment plants

NON-OPTIMAL OPERATION OF EQUIPMENT	EXTENSIVE ADMINISTRATION AND DIFFUSE DATA	ENVIRONMENTAL BURDEN

Careful water management is becoming the highest social priority and legislation is becoming more stringent. We enable cities, the industry and regions to optimise the operation of sewage treatment plants while also optimising investments and operating costs.

With Tango, we establish a **single database** that is the basis for effective decision-making, as well as **uniform control of operation in near real-time**. We help managers achieve a **reduction in environmental burden**, as well as lower maintenance and management costs.

The Ig municipality (Slovenia) has simplified the monitoring of indicators (KPIs) in the waste water treatment plant.

With the help of Tango, the sewage treatment plant in Ig (5,000 PE ('population unit'), quantity of treated waste water: approx. 600,000 m³ per year) has established a **unified system for monitoring composite indicators** (KPIs) from basic and measured parameters, which are: PE inlet load, limit value on the outlet/alarm, production of sludge at PE, concentration limit area of O_2 in the reactors (display, alarm) and the alarm for service of the blower or the devices monitoring operating hours. With this, we have achieved:

EASIER AND MORE EFFICIENT MANAGEMENT

- Linking infrastructure data, process metrics and business data
- Setting up key performance indicators (KPIs) to monitor efficiency management trends
- M&T analyses enable the introduction and use of targeted energy use monitoring via M&T (Monitoring and Targeting) analysis

WORKING TIME SAVINGS

- Reducing administration
- Aggregated data from various sources in one place
- Per-click analysis without long-term preparation
- Quick and simple reporting process for the needs of government records

VERIFIED DATA IN ONE PLACE

- Retrieval of data from various sources and data streams
- Data control before being stored in a data lake (one database, one truth)
- Aggregation and display of data at different time intervals (hourly, daily, weekly, monthly, annually)
- Flexible environment for visualizing information/KPIs on dashboards

KEY ADVANTAGES OF TANGO

- **Simplified reporting**
- **Permanent access to reliable and valid data in near real-time**
- **Data visualisation** (dashboards, graphs and reports)
- Tango **facilitates connection with other systems**

- It checks and visualises data, and **applies to various areas** as a tool
- Reliable and verified data to help make correct decisions at key operational levels **in near real-time**
- **Simple monitoring** of operating and management trends at levels from management to process engineering

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