



Ceinsys Water Solutions

Description

Sustainable water management in urban areas requires an integrated approach to ensure that the management, development and utilisation of water resources, water infrastructure and water/wastewater treatment satisfies socio-economic, environmental, sustainability and multi-sectorial water demands. Maintenance and upgrading of urban water infrastructure often counts for up to 80% of the total capital investments for public utilities, so proper planning and cost-efficient execution are important measures for obtaining high efficiency in the utility company. Furthermore, ensuring high quality levels for drinking water requires a constant focus on the water supply as well as the water treatment processes at the waterworks.

Offerings

- Enterprise Asset Management
- Non-Revenue Water Management
- Non-Revenue Water Management
- Smart Metering/AMI
- SCADA
- Water Billing Software
- Data Center Management
- Consultancy for Water & Sewerage

Technology Used

- Remote sensing Satellite imagery (High Resolution)
- Hydraulic Modeling and Design Network
- Smart Meter
- SCADA
- GPS

5,000 Sq. Km

Geospatial Solutions and
Asset Management

2.5 Million

Consumers Tapped

80 Urban Bodies

Water Management and Reforms

15 Billion

Total DPR Value

20 Urban Bodies

NRW Solutions

Enterprise Asset Management

Asset management is the practice of managing infrastructure capital assets to minimize the total cost of owning and operating these assets while delivering the desired service levels. Many utilities use asset management to pursue and achieve sustainable infrastructure.

Asset management is a process, in which water and wastewater utilities can be used to make sure that the planned maintenance can be conducted and capital assets such as pumps, motors, pipes, etc. can be repaired, replaced or upgraded on time and that there is enough money to pay for it.



Non-Revenue Water Management

Non-revenue water (NRW) is water that has been produced and is "lost" before it reaches the customer. Losses can be real ones through leaks, sometimes referred to as physical or apparent losses. For example, through theft or metering inaccuracies.

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Smart Metering/AMI

Smart meters measure water usage remotely. It measure the consumption and reflect the amount of water which is used. This means it's a fairer way to pay giving control over usage and billing. The main benefit of the metering is to reduce water losses, control energy consumption, and online reading of the consumption



SCADA

SCADA (Supervisory Control and Data Acquisition) refers to an industrial computer system that monitors and controls a process. In the case of transmission and distribution elements of electrical utilities, SCADA will monitor substations, transformers and other electrical assets. SCADA systems include hardware and software components. The hardware gathers and feeds data into a computer that has SCADA software installed.

Power distribution system deals with transmission of electric power from the generating station to the loads, with the use of transmission and distribution substations. Most of the power distribution or utility companies rely on manual labor to perform the distribution tasks like interrupting the power to loads, hourly checking of the parameter, fault diagnosis, etc. The implementation of SCADA to the power distribution system not only reduces the manual labor cost but also facilitates automatic smooth operations with minimizing disruptions.

Water Billing Software

WEB & Mobile applications are built for public as well as for government authority. The applications are built on various platforms in order to help in overall decision making process.

Data Center Management

Data Center Infrastructure Management (DCIM) is the convergence of IT and building facilities that functions within an organization. The goal of a DCIM initiative is to provide administrators with a holistic view of a data center's performance so that energy, equipment and floor space are used as efficiently as possible.



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