



WATER DEMAND MANAGEMENT SOLUTION

Water Demand and Conservation Management Platform

WATER DEMAND MODULE

The IMQS Water Demand Management (WDM) Module leverages engineering and treasury data to offer a comprehensive and in-depth understanding of your city's water infrastructure use, demand and supply. Centralise and digitise your entire water demand network on one easy-to-use online spatially enabled platform, accessible from anywhere.

Our platform empowers you to sustainably manage the use of your water resources and meet the water needs of your community while minimising waste, reducing stress on water supplies, and ensuring long-term water resource sustainability. Water demand management is critical for addressing water scarcity, reducing the strain on water sources, and adapting to the challenges of climate change.

IMQS facilitates strategic operational and financial planning by equipping you with valuable information related your water network. The WDM module geographically presents data acquired from specialist engineering systems, providing you with practical information to enhance future planning. Our platform offers customisable views on water demand and supply, unaccounted-for water as well as statistical reports.

The flexibility of our system configuration enables users to analyse any form of treasury database and deliver role-based reports suited to different user needs and requirements.

WHO WE ARE

IMQS constructs business management solutions for owners of infrastructure asset portfolios, to effectively realise their strategic objectives.

Our team of management consultants are committed to conceptualising solutions that enhance the value of your organisation's physical assets, while you focus on the work that matters – delivering key services to your valued customers.

We believe that healthy assets create a healthy society and impacts the lives of people, at all levels, from all communities, on a daily basis.

IMQS has provided proven Infrastructure Asset Management (IAM) Solutions & Services to government and private organisations for more than 20 years, locally and internationally.



KEY FEATURES

WATER DEMAND GRAPHS



The IMQS WDM Module visualises valuable information on water consumption and asset performance. Some of these include water consumption, large water consumers, irregular spikes or dips in consumption, faulty meters and administrative errors. Key metrics, such as average daily and annual demand, as well as estimated and actual meter readings, are depicted for improved visibility and decision-making.

INTEGRATION



While IMQS maintains its own powerful GIS system, the module integrates with other GIS ERP systems. This offers users the freedom to work on their preferred GIS platform without having to waste time by switching between systems.

BENEFITS

- Effortlessly manage your water demand network on one central platform
- Quickly identify malfunctioning assets and water leaks
- Pinpoint large water consumers with ease
- Easily identify water demand trends with graphical displays
- Gain strategic insight for future water demand with operating and theoretic scenarios
- Enhance your operations and decision making with live telemetry data
- Minimise waste and sustainably manage your water sources



WATER DEMAND MODULE (continued)

Account-level reporting is facilitated by the integration of treasury data sets onto our spatially enabled platform. The history of actions, such as water shortages or workflow summons, are displayed either for individual consumers or on a ward-level. Strategic reporting such as non-revenue and unaccounted-for water, is performed on a zone basis, with the results of the related analyses directly imported into IMQS.

The IMQS Water Demand Management Module is a comprehensive solution to achieving greater success and sustainability in water demand management. It integrates and centralises engineering and financial data for better decision-making and planning, allowing you to plan and build for the future.

KEY FEATURES

OPERATING SCENARIOS



Operating scenarios enable users to spatially view various scenarios related to the planning and management of your water demand network. These alternate scenarios may represent theoretical or actual consumption scenarios. Some of these scenarios can include water demand details concerning region, depot, city, zone, suburb, account details or meter data.

REPORTS



IMQS allows you to generate and access reports that facilitate planning, tracking and transparency. All reports are configurable and accessible on the IMQS platform. The reporting system is based on standard engineering reports that can be viewed on the IMQS reporting platform. Reports facilitates effective and transparent internal and external communication and allows for better interdepartmental cooperation, customer communication and stakeholder presentation.

TELEMETRY



Keep track of the operational status of your water demand network by receiving regular live updates from our implemented telemetry solution. By gathering data from sensors linked to your water, such as bulk meters, we empower you with valuable information to enhance your operations management. Each cluster of sensors is represented by a symbol on the map and provides users with intelligence to make effective decisions.

THEMES AND LAYER MANAGEMENT



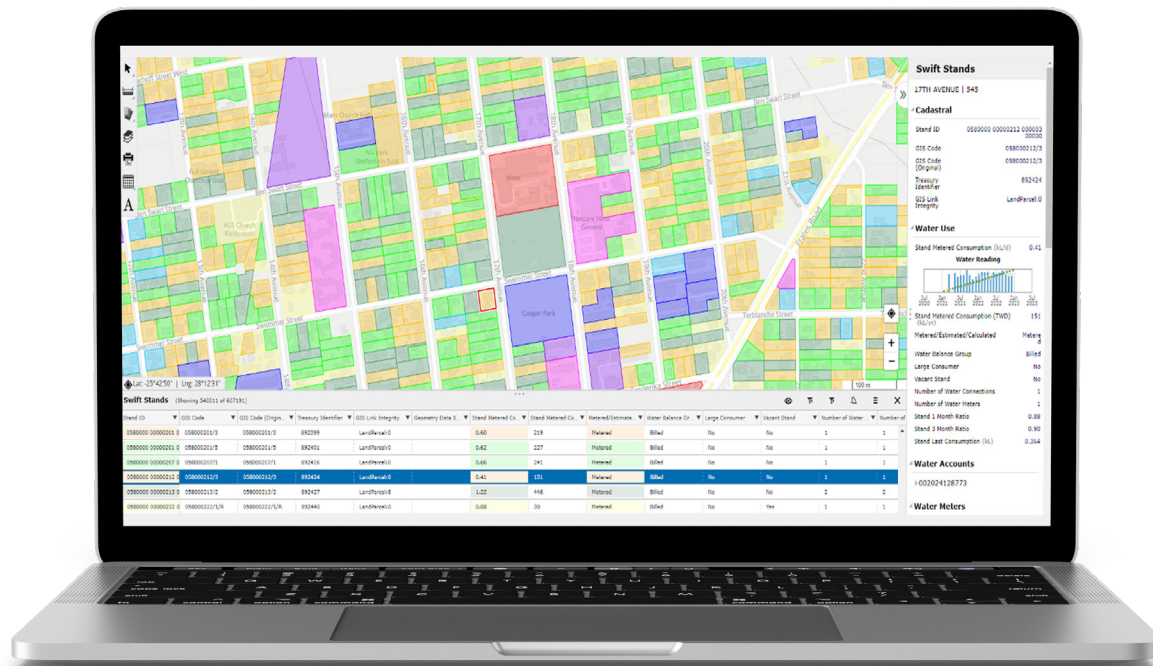
Our platform allows users to navigate between multiple themes and layers, enabling users to easily interpret data by spatially displaying map objects in the form of shapes, symbols and colours. A theme comprises multiple layers, where each layer contains data of the same type like land use, zoning, stand consumption and future development areas. Each layer in turn uses one field within the dataset. This means that values contained in the field are grouped into ranges and each range is then reflected as a specific colour on the GIS Map.

TECHNOLOGY

The IMQS web-based platform is highly flexible and enables effective infrastructure lifecycle asset management. Due to its high level of configurability, IMQS offers a highly flexible platform able to produce tailor-made solutions. Digitally transform your organisation with IMQS.

TECH BENEFITS

- Configurable
- Customisable
- Cloud-based
- User-friendly
- Fast and secure
- Seamless deployment



CONCLUSION

The IMQS WDM Module empowers municipalities to make better decisions about water demand and supply within their boundaries.

The module enables a proactive approach to demand management and conservation. As a WDM tool, the software offers a more realistic geographic representation of consumption, which in turn enables the enforcement of stricter demand management measures as well as more effective revenue enhancement strategies.

In so doing, this software package helps municipalities achieve greater customer accountability, ensures a fair distribution of water, as well as supports planning and the better use of public funds. The geographic visualisation of information makes IMQS a key node in the WDM decision-making process.

Therefore, IMQS's designed a WDM solution to help communities and regions better balance their water needs.

TO GET IN TOUCH, SCAN THE QR CODE

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IMQS