FACT SHEET

SEWER INFRASTRUCTURE SOLUTION

Sewer Infrastructure Planning and Operations Management Platform

SEWER MODULE

The IMQS Sewer Infrastructure Module provides a comprehensive platform for better planning and managing the operations of your city's sewer network. Centralise and digitise your entire sewer network on one easy-to-use online spatially enabled platform, accessible from anywhere.

Our sewer infrastructure module integrates with specialist hydraulic software packages to offer a geographically linked, infrastructure-lifecycle focused representation of your sewer reticulation network. We centralise information, that links directly to a city's asset register, enabling users to easily access asset information such as performance, utilisation, criticality and replacement value.

IMQS empowers your municipality to better plan, develop and manage your sewer systems helping you to achieve greater levels of service to your customers. The IMQS sewer infrastructure module digitises and centralises your sewer network onto an easy-to-use platform and offers geographic insight into a city's hydraulic system, empowering data-driven decision-making.

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

MASTERPLAN

The IMQS platform provides a comprehensive and strategic planning tool for establishing masterplans outlining the design, development, and management of your sewer reticulation network, helping you to plan for a sustainable future. Our solution offers a spatial representation of current and future sewer-network related projects. Designed to provide engineers with a powerful tool to spatially visualise projects and their effect on the Future Model.

OPERATING SCENARIOS

Operating scenarios enable users to spatially view various scenarios related to the planning and management of your sewer network. These alternate scenarios may represent theoretical or actual scenarios related to your current and future (planned) sewer-network infrastructure. IMQS enables engineers to easily model the effects of changes to a sewer network over time in the form of a Future Network Model, which offers real insight to future project planning and budgeting.

UPSTREAM / DOWNSTREAM TOOL

Easily determine the source of the sewerage flow in any part of your network by using our upstream tool, such as sewerage feeding into a selected pipe segment. With downstream tracing a user can determine the most immediate pipe network that is supplied by a selected pipe segment. Importantly, this functionality allows users to determine the impact on the downstream network when the flow of sewerage to a selected pipe segment is cut off.

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.

CONNECTED STANDS

IMQS enables you to identify all stands that are connected to a pipe segment. This tool can be used in conjunction with Pipe Isolation and Upstream/Downstream to quickly identify all stands that will be affected when a pipe is isolated or when the downstream flow is cut off. This tool is ideal to use during emergencies or planned maintenance, and to identify all customers linked to a selected stand in order to inform them of any interruptions.

ADD FLOW TOOL

Easily determine if sewer networks have the capacity to support future developments with our Add Flow tool. Our solution enables users to analyse the flow rate of sewer pipes to determine if there is enough capacity in the current network to accommodate future development.

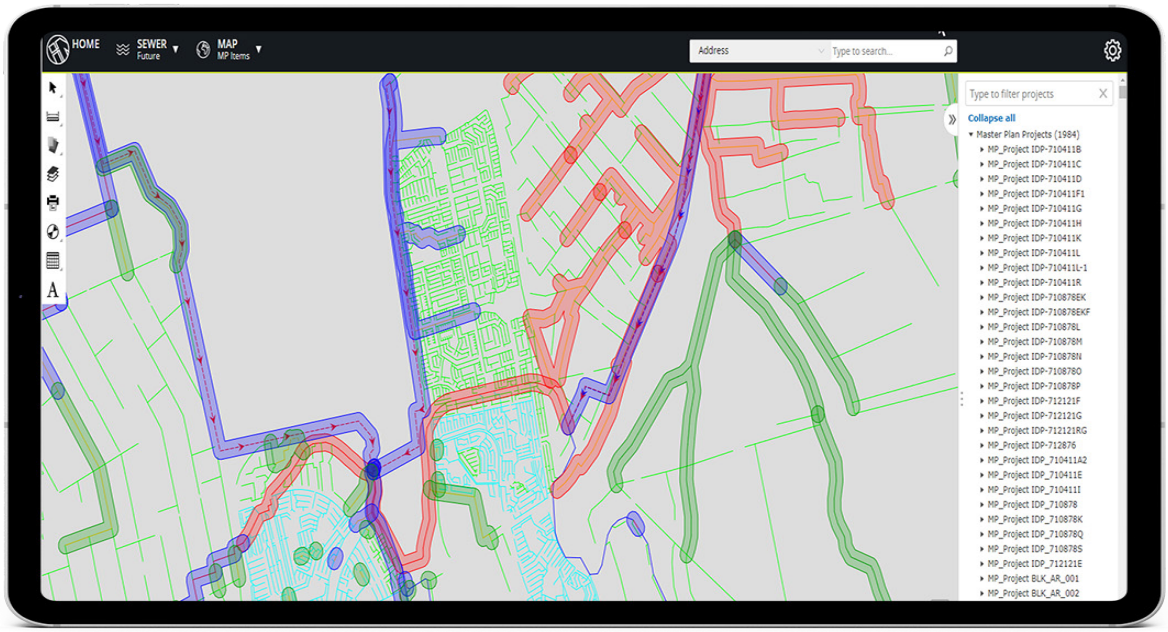
KEY FEATURES

THEMES & 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.

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

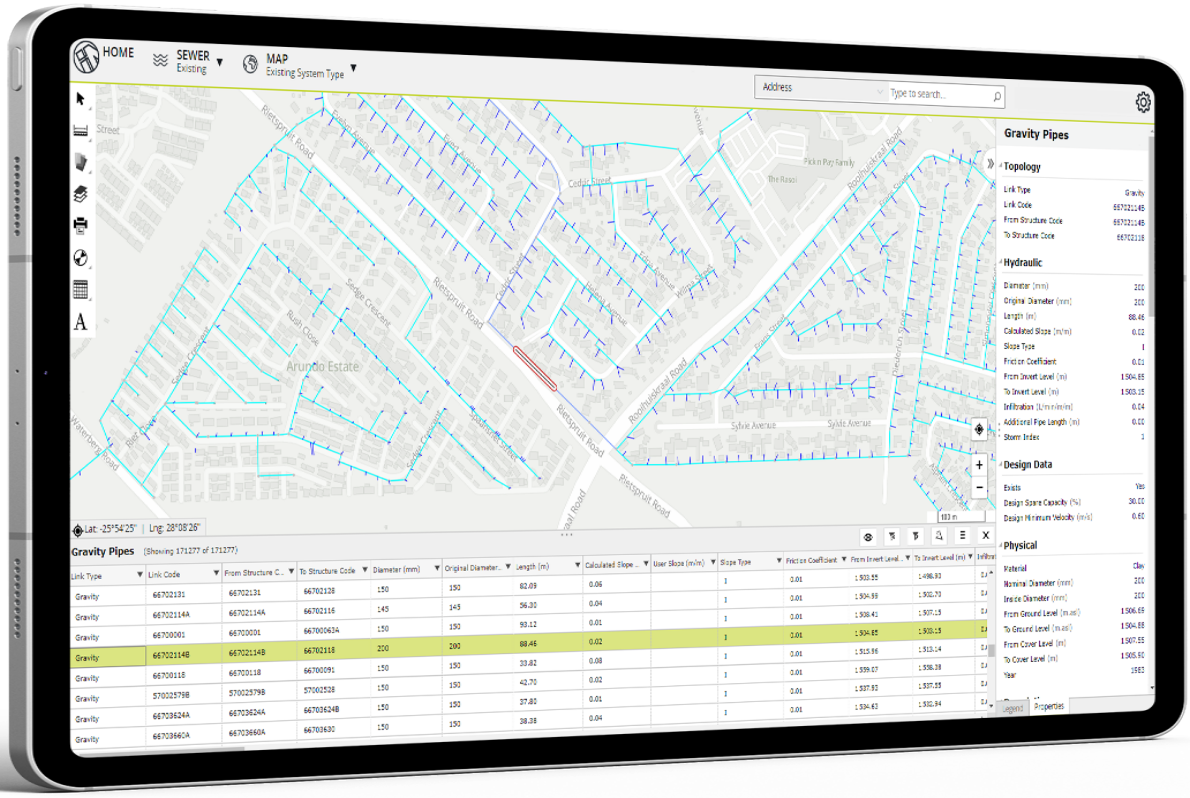
- Manage your sewer reticulation network on one central platform
- Effectively plan for a sustainable future with our masterplan capabilities
- Easily model the effects of changes to your sewer-network
- Effortlessly determine any source of sewerage flow in your network
- Identify connected stands to any pipe in your network
- Quickly access technical information such as diameter, length, sewer flow and cost
- Easily determine the effects of added capacity to your network
- Dynamic reporting for enhanced visibility and communication

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 Sewer Infrastructure Module empowers municipalities to better manage their sewer infrastructure network. By implementing our online platform, municipalities can achieve significant improvement in customer satisfaction, data dissemination and communication.

Our system facilitates current and future planning, streamlines proactive and reactive maintenance and empowers informed decision-making. The visualisation of information, as well as innovative reporting functionalities, makes IMQS a key node in the communication between municipal stakeholders, departments and the public.

TO GET IN TOUCH, SCAN THE QR CODE
Email: **info@imqs.co.za**