



Stormwater, Sewer, and Flood Modeling

Manage Today
and Plan for Tomorrow



Innovyze[®]
Empowering water experts

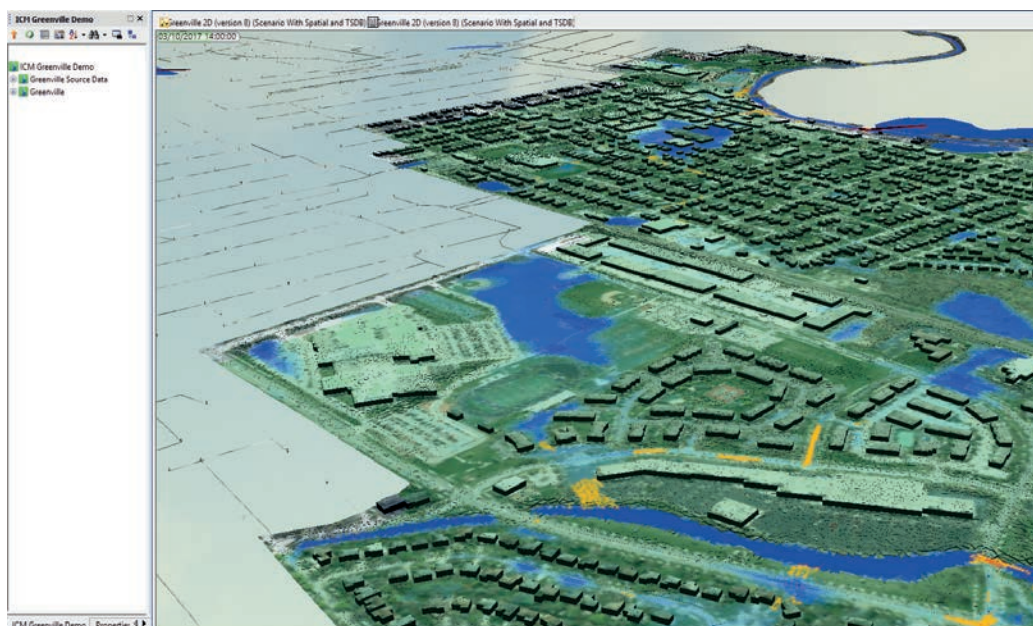


Dealing Wisely with Water

How can you deal effectively with the water in your service area today, and plan for tomorrow, with limited resources?

Organizations dealing with stormwater, flooding, and sewers face a complex mix of requirements, including the need to:

- Keep networks running reliably
- Cope with aging assets, growth, and climate change
- Reduce sanitary and combined sewer overflows (SSOs and CSOs)
- Limit preventable flooding
- Meet changing customer service, environmental, financial, and regulatory targets under increased scrutiny
- Mitigate risks
- Communicate effectively
- Make defensible decisions and action plans
- Use resources wisely, including people





The Easy Way

The easy way to keep all these challenges under control is with tools that **show** you what's going on in your network, **alert** you when there are problems, run scenarios of how you could **mitigate** problems, and help you **plan** for the future.

A tool that suits your service area – whether it's a small sewer network or a large, complex catchment – plus live data input if you need dynamic modeling, provides all of these.



InfoWorks ICM is our program of choice due to its superior power and detailed 1D-2D coupling capabilities. It offers superior results through its general versatility and functionality of the software and provides us with the ability to test future developments within the catchment through use of scenarios.

Richard Allitt Associates, Ltd
Consulting Engineers, UK



The Solution

Innovyze software enables you to tackle both everyday and acute problems in water engineering.

Limit Preventable Flooding

- Know asset-by-asset hydraulic response to forecasts, to prevent flooding and pollution and improve health and safety
- Make informed and justifiable resource deployment choices
- Get early warning of emerging risks

Minimize the Use of Outfalls

- Understand and manage the escape points in your network

Manage Network Capacity

- Understand the available capacity of your network, including the event thresholds at which sections struggle to cope
- Proactively prevent and reduce spills including sanitary and combined sewer overflows (SSOs, CSOs)
- Quantify the impact of flooding events and understand their causes
- Make evidence-based decisions about infrastructure or maintenance investment
- Understand and justify performance

Options to Suit Your Service Area

We have a range of packages that model anything from just underground pipes, to whole catchments including overland flow. The more sophisticated the software, the more tools it offers, giving you greater efficiency and better optimization. Well optimized solutions stand you in better stead for the future.

We offer both mapping-agnostic and Esri options. If you're an Esri user, our software opens within ArcGIS, so you work within a familiar environment. We also have FEMA-approved tools to ease your admin load. And there's a choice of modeling engines, including XPRAFTS that links directly with the Australian Rainfall and Runoff (ARR) data hub and the Australian Bureau of Meteorology.

Our most powerful package is InfoWorks ICM (Integrated Catchment Modeling). It supports multiple simultaneous users and has conflict control with an audit trail, so can handle the largest projects where many modelers need to work together. It includes many specialist modeling tools as standard.

Add Live Modeling for Accuracy and Responsiveness

Live modeling with ICMLive provides a near-real-time view of network performance and alerts your team to adverse events. It links SCADA data and weather forecasts with your hydraulic model so you have an up-to-date picture, and can run simulations so you can prepare for emergencies.



The thing I like about ICMLive is that it makes what I do as a hydraulic modeler more immediate, and more visible to the rest of the company.

Infrastructure Modeler
Anglian Water, UK

Stormwater, Sewer, and Flood Modeling Solutions



InfoWorks ICM and InfoWorks ICM SE (Sewer Edition)

Fully integrated 1D/2D simulation of above-ground and below-ground drainage networks in one powerful software package.



ICMLive

Live modeling and operational forecasting.



XPSWMM, XPStorm, and XPRAFTS

Hydrologic and hydraulic models for analysis and design. FEMA-approved 1D/2D dynamic modeling of stormwater systems, sanitary sewer or combined sewer systems. XPRAFTS offers whole catchment modeling tailored to Asia Pacific.



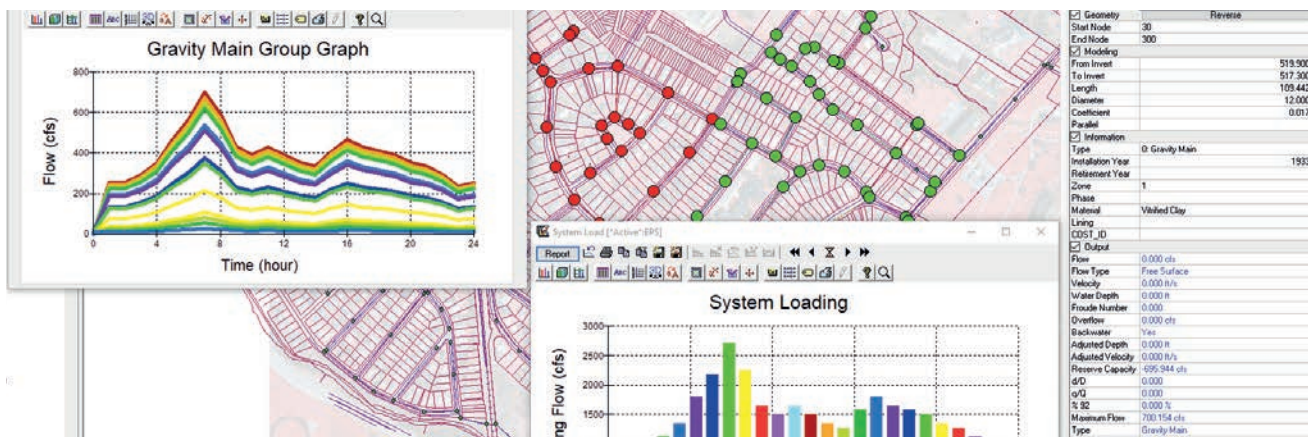
InfoSWMM

Dynamic 1D modeling within ArcGIS for stormwater, sanitary sewer, and combined sewer systems.



InfoSewer

Static 1D modeling within ArcGIS for capacity analysis and planning of gravity sewer systems.



Training and Support



Comprehensive Support from InfoCare Support and Maintenance from Innovyze

Our comprehensive customer support and software maintenance program offers expert assistance, accelerated learning, and timely and unlimited technical and engineering support.



Expert Training

Get expert training and professional development from Innovyze's water engineering professionals.

They'll help you make the best use of your software, and share tips and use cases, in our wide range of training courses, live webinars and on-demand webinars.



How to Choose the Right Solution for Stormwater, Sewer, and Flood Modeling



When you're looking at stormwater, sewer, and flood modeling, check that the software you're considering:

- Provides holistic modeling so you can understand and manage your network as a whole
- Allows integration between platforms
- Generates simulations and what-if scenarios fast enough
- Gives actionable workflows
- Provides results you can trust
- Has the right benchmarking and certifications
- Offers 1D, 2D and live modeling as required

We can help identify the best solution for your particular needs – just get in touch.



Get in Touch

Our offices in the US, Australia, and the UK, plus our global network of partners, are here to help you get the most from your water systems.

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Innovyze[®]
Empowering water experts

Innovyze empowers water professionals around the world to create, manage, and maintain water services. We are the global leader in water infrastructure data analytics software, providing enduring support for customer success.