AUTODESK

Integrated storm, waste, and floodwater modelling

Understand your water infrastructure better and make impactful, cost-effective decisions for projects of every scale.

Smoother collaboration for your team

Host projects in the cloud for workgroup functionality, so your team can share data, make edits, and communicate with each other from anywhere. Maintain quality control and catch errors early with data flagging and engineering validation. Plus, get your whole team up to speed with our free, on-demand InfoWorks ICM training course.

Greater control over your water projects

Create accurate-to-reality digital twins for a holistic, detailed view of both storm and wastewater networks. Seamlessly exchange data with Civil 3D designs, and view commit history to track how projects evolve over time. Run speedy cloud-based simulations in parallel, then pull the exact data you need to analyse results with customised reports.

Better outcomes for your water networks

Scale models up or down and explore varying scenarios to ensure networks exactly match each catchment's needs—whether it's a hilly rural town full of interconnected rivers, or a sprawling coastal city prone to storm surges. Stay on top of unexpected overflows with timely alerts.

More strategic planning for your infrastructure

Deepen your understanding of your hydraulic and hydrologic networks for precise, optimised capital planning and capacity improvement decisions. Anticipate future inflows, accurately predict their impacts, and take adaptive measures early.

Build more efficient, sustainable water networks that are cost-effective for you and your stakeholders. Create robust emergency response strategies for any storm or flood event, and help keep communities safe in the face of a changing world.

Join others using InfoWorks ICM to tackle their most challenging water projects, such as:

Protecting mainland Tasmania from historic floods

With a recent history of devastating floods causing millions of dollars in damage, State Emergency Services Tasmania (SES) needed to enhance its flood prediction and response capabilities to keep vulnerable communities safe.

SES used InfoWorks ICM to create a digital twin of its water network, letting it calibrate hydrologic and hydrodynamic models for flood events across swathes of mainland Tasmania. Then with predictive impact mapping guiding its team, SES could build robust recovery plans on a national level.

Since implementation, those plans have helped mitigate multiple major floods, including record flooding in 2022. SES is better equipped than ever to safeguard Tasmanian communities and the environment.

> SES can deliver predictive impact maps 12 hours before rainfall begins in major flooding events

Equipping San Francisco to deal with a 100-year storm event

Not only does San Franciso's Public Utility Commission (SFPUC) run the only combined sewer system on California's coast; it must do so across the city's blend of steep hills, low valleys, and urban flats, making stormwater management a serious challenge.

With InfoWorks ICM's 2D module, SFPUC can model stormwater flows accurate to the catchment's complex topography. And combined with the Real Time Control module, it can create dynamic simulations of pump stations, treatment facilities, and similar structures that adapt to rainfall and sewer flow.

By hosting its models in the cloud, multiple engineers can work on them simultaneously, boosting productivity and significantly cutting down rework. SFPUC has the tools it needs to respond to changing conditions, reduce the risk of environmental contamination, and help protect the city's public health.

Boost productivity, save time, and build sustainable water networks that will last for generations to come with InfoWorks ICM.

Talk to us >