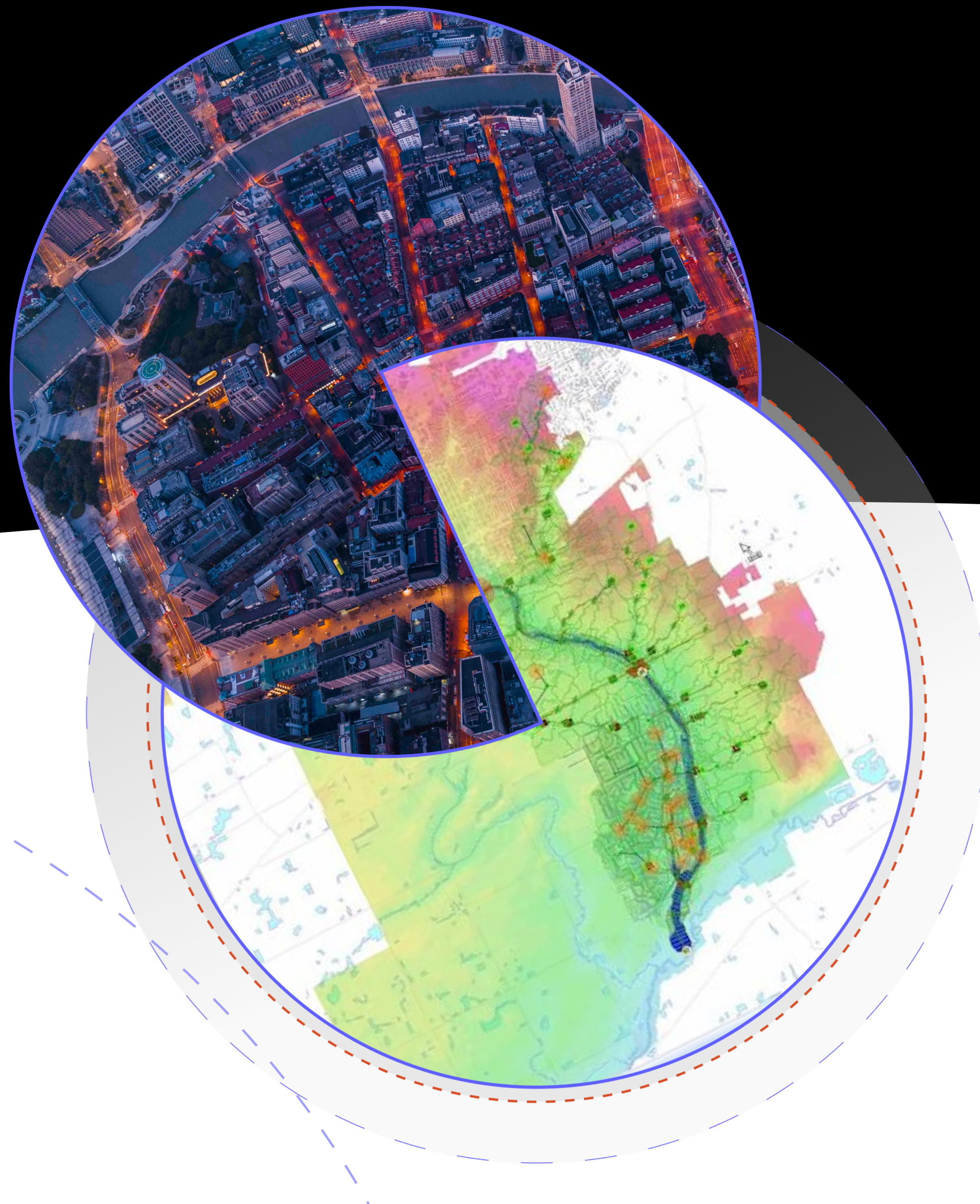


# Protect people, property, and the environment against extreme weather

Prepare your catchment with dynamic stormwater and flood modeling solutions.



## Understand the risks in your stormwater system

Use Autodesk's predictive stormwater and flood modeling solutions to build a digital twin of your system and ensure it can hold up to rainfall events of any size. Combine hydraulic models with sensor data to create a digital twin for situational awareness and operational control.

23%

of the world's population faces significant flood risk

That's  
1.81 billion

people in need of better water management

-World Economic Forum

## Better prepare for flood emergencies

Predict how to respond to impending storms swiftly and effectively. Replace static flood maps with dynamic flood risk plans based on real-time rainfall data.

## Design more sustainable drainage

Simulate natural watercourses with InfoWorks ICM and restore impacted ecosystems. Reduce localized flood risks with green infrastructure that supports natural wildlife.

## Preserve biodiversity

Help maintain fish migration pathways. Set minimum river flow levels and abstraction to support fish health using Infoworks ICM.

## Prevent sewer overflows

Use InfoWorks ICM to reduce the risk of CSO and sewage pollution events. Analyze flows, map out capacity upgrades, and plan stormwater separation.

**Civil engineering firm LAN used InfoWorks ICM to design a 25-year storm model for one of the most flood-prone cities in the US.**

[Read story](#)

\$25M

cost savings for the City of Fayetteville by using InfoWorks ICM for watershed studies.

[See how](#)

## Understand and mitigate pollution

Measure the impact of diffuse and chemical pollution on water quality with InfoWorks ICM, and simulate potential solutions.

## Manage road runoff

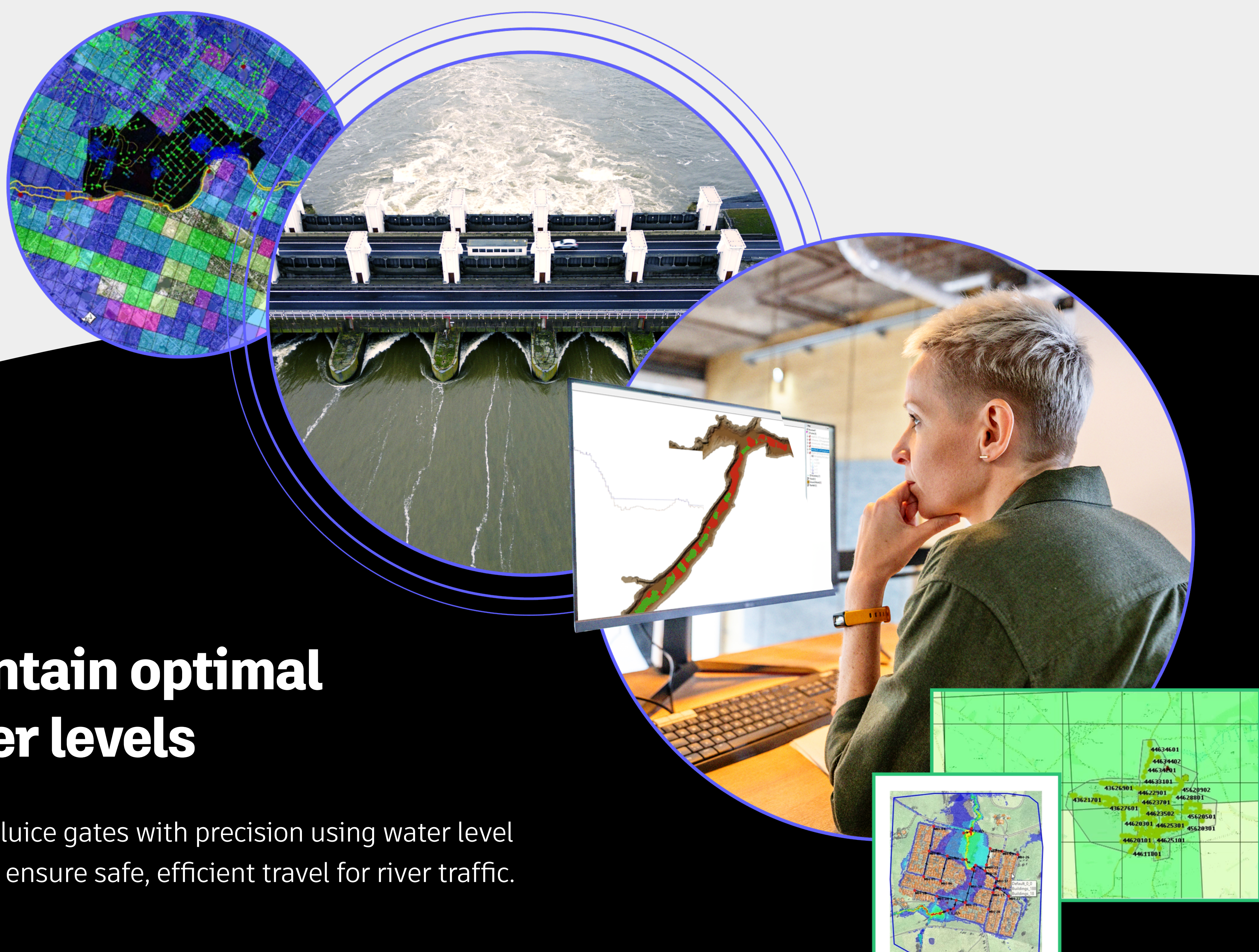
Reduce the impact of road runoff by using InfoDrainage to plan your retention capacity for natural filtration.

## Maintain optimal water levels

Control sluice gates with precision using water level data and ensure safe, efficient travel for river traffic.

## Meet strict regulations

Improve network resilience by simulating failure scenarios with InfoWorks ICM and planning asset interventions. By adding data from network sensors, the model becomes a real-time tool for situational awareness and full operational control.



## Learn more about Autodesk's tools for stormwater and flood modeling

### InfoWorks ICM

Powerful integrated catchment modeling software, with cloud capabilities. Plan, design, model, and maintain hydraulic and hydrologic networks of varying complexities quickly and accurately, in a collaborative environment.

### InfoDrainage

A design and analysis solution used to confidently deliver sustainable, compliant drainage systems. Integrates with Civil 3D for total control over drainage in civil designs.

**Talk to an expert to find the solution that is best for you**

[Learn more](#)