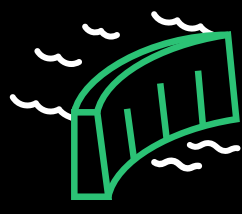


# Protect people, property, and the environment against extreme weather

With dynamic stormwater and flood modeling solutions.

## Understand the risks in your stormwater system

Learn how to apply Autodesk's range of predictive stormwater and flood modeling solutions to build a digital twin of your system and ensure your defenses can hold up to rainfall events of any size. Combine hydraulic models with data from network sensors to create a real-time digital twin for situational awareness and operational control.



### Evaluate nature-based solutions for flood alleviation

Simulate the removal of manmade retention structures to see how water will take its natural course. Use **InfoWorks ICM** to model river re-naturalization and nature-based catchments.



### Better prepare for flood emergencies

Understand your flooding risk and act swiftly against impending storms. **ICMLive** leverages rainfall radar data to model flood risk in real-time.

**23%**  
of the world's population faces significant flood risk

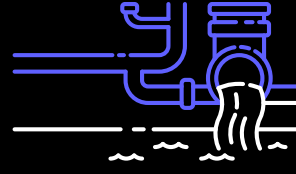
That's 1.81 billion people in need of better water management.

-World Economic Forum



### Biodiversity and conservation

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



### Reduce the load on sewer networks to prevent overflows

Use **InfoWorks ICM** to plan stormwater separation, which reduces the risk of CSO and sewage pollution events.



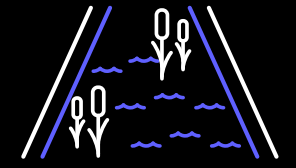
### Protect people and property

Know where and when to respond to a weather emergency. Replace static flood maps with dynamic flood risk plans in **InfoWorks ICM**.



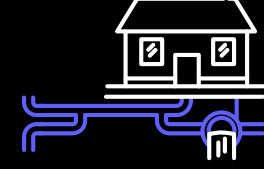
### Understand the impact of chemical effluents

Assess persistence of pharmaceutical and cosmetic industry effluents. **InfoWorks ICM** effectively simulates the water quality impact of pollutants.



### Leverage sustainable drainage design

**InfoWorks ICM** helps mitigate the risk of localized flooding by using green infrastructure. The benefits are more beautiful urban areas that support natural wildlife.



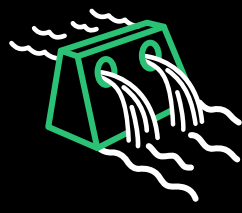
### Size sewerage and drainage correctly

Better understand challenges like infiltration and inflow. Use **InfoWorks ICM** to analyze flows and plan capacity upgrades.



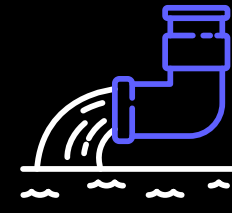
### Estimate the contribution of diffuse pollution

Know the potential impact of diffuse sources of pollution during a storm event. **InfoWorks ICM** effectively simulates the water quality impact of pollutants.



### Navigational control

With live data fed to **ICMLive**, you can ensure optimal water levels for river traffic and sluice gates.



### Improve water quality

Lessen the impact of road run-off by utilizing **InfoDrainage** to plan your retention capacity for natural filtration.



### Ensure urban networks comply with standard levels of service

Use **InfoWorks ICM** to improve network resiliency by simulating failure scenarios and planning asset interventions. By adding data from network sensors, the model becomes a realtime tool for situational awareness and operational control.

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

### InfoWorks ICM

Powerful integrated catchment modeling software with cloud capabilities that models hydraulic and hydrologic network elements of varying complexities quickly and accurately in a collaborative environment.

### InfoDrainage

InfoDrainage is a design and analysis solution used to design and audit drainage systems confidently, deliver sustainable and compliant designs and access a complete BIM solution.

### ICMLive

A live modeling tool that integrates with hydraulic models, SCADA historians, and weather forecast databases to provide a near-real-time view of network performance as well as alerts to adverse weather events.

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

[Learn more](#)