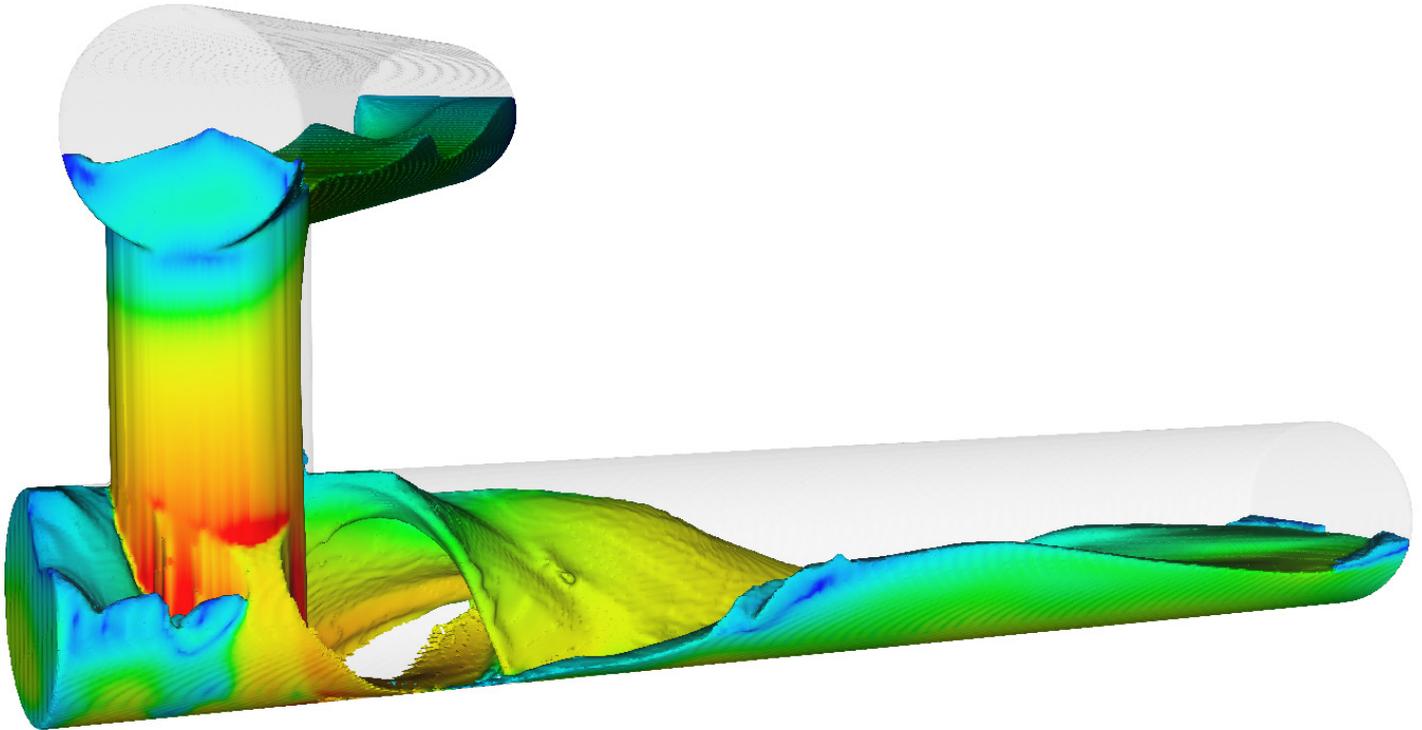


# **FLOW-3D**<sup>®</sup> — HYDRO

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STORMWATER

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**FLOW-3D HYDRO** is an industry leader in free-surface flow modeling and is used extensively by civil engineering professionals for the design and analysis of stormwater collection and treatment systems. Highly accurate 3D simulations provide advanced investigations of conveyance through hydraulic control structures, sewers and wet tunnel designs. **FLOW-3D HYDRO** is optimized for modeling both free-surface and constrained flow patterns and seamlessly models situations that switch between free-surface, pressurized, sub-critical, and super-critical flow conditions.

# FLOW-3D<sup>®</sup>

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# HYDRO

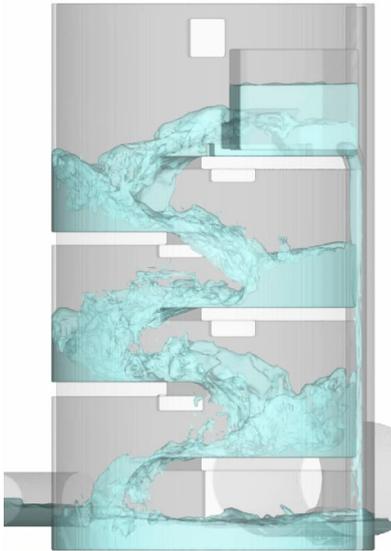
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## STORMWATER

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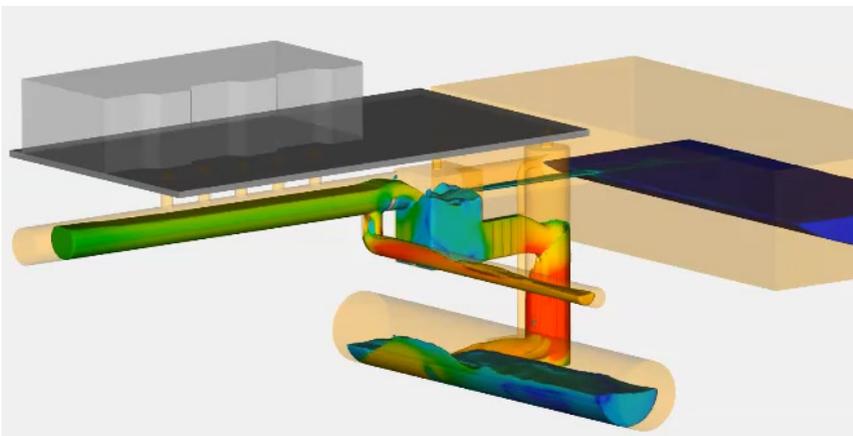
### APPLICATIONS

- Hydraulic control structures
- Combined sewer overflows
- Detention/Retention basins
- Hydrodynamics separators
- Filtration systems
- Pump stations
- Wet tunnel hydraulics
- Entrained air flow bulking



**FLOW-3D HYDRO** allows engineers to accurately model energy dissipating structures, including complex, highly turbulent and aerated flow features.

**FLOW-3D HYDRO's** particle tracking model is used to evaluate the efficiency of hydrodynamic separator devices.



Engineers can seamlessly navigate the transition between flow regimes with **FLOW-3D HYDRO**, offering advanced analysis of combined sewer overflow structures with complex shifts in hydraulic controls throughout the system.