Oldcastle Infrastructure™
A CRH COMPANY

CIVILSENSE™

Capital Planning for Drinking Water

Prioritize the Right Projects. Maximize Every Capital Dollar.

The CivilSense Capital Planning for Drinking Water module is an AI-powered decision support solution that helps drinking water utilities prioritize infrastructure investments based on risk, operational impact, and budget constraints. By combining asset risk intelligence with financial planning, utilities can develop defensible capital programs that maximize risk reduction and return on investment.

Capital Planning for Drinking Water creates actionable replacement, rehabilitation, assessment, and leak detection programs aligned with funding priorities and long-term infrastructure goals. The result is improved reliability, fewer emergency repairs, and more effective use of limited capital resources.

Transform Risk into Action

Capital Planning converts asset risk data into executable projects and investment programs. Utilities can compare funding scenarios, evaluate the impact of deferred investments, and optimize spending across replacement, rehabilitation, condition assessment, and leak detection initiatives.A shared planning framework helps engineering, operations, finance, and executive teams align around investment decisions and long-term infrastructure objectives.



Everything Needed to Build a Defensible Capital Plan

- Risk-based capital planning and project prioritization
- Capital improvement program (CIP) development and scenario modeling
- Budget optimization and risk-reduction analysis
- Replacement and rehabilitation planning
- Condition assessment and leak detection prioritization
- Long-range infrastructure investment forecasting
- Board-ready reporting and investment justification dashboards

Go Beyond Traditional Capital Planning

Most capital plans rely on asset age, break history, spreadsheets, or periodic consultant studies. Capital Planning unifies AI-driven risk intelligence, project generation, scenario modeling, and budget optimization in a single workflow. Rather than identifying individual high-risk assets, it creates practical project recommendations based on risk reduction, budget constraints, implementation timelines, and organizational priorities. As operational and asset data change, recommendations update automatically, enabling utilities to make decisions based on current conditions instead of outdated assumptions.



Deliver More Value with Limited Budgets

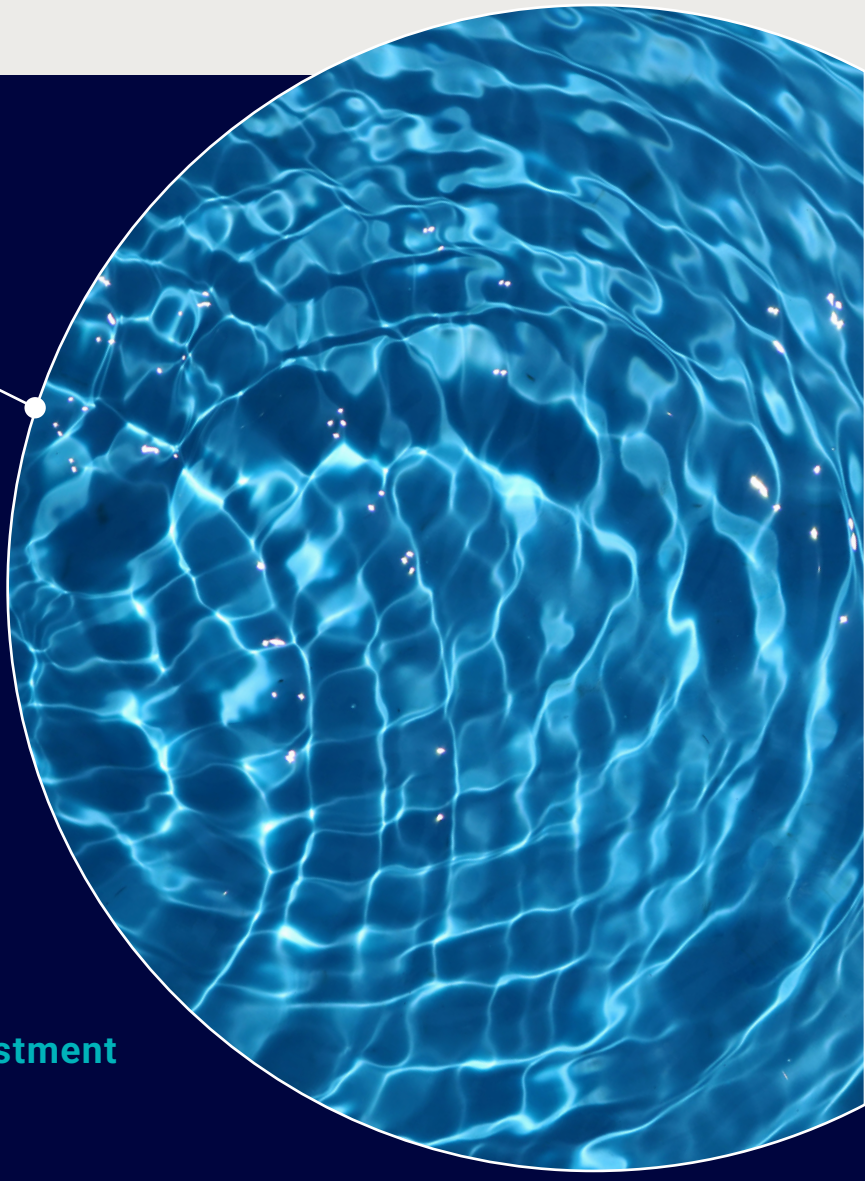
Capital Planning helps utilities direct funding toward projects that deliver the greatest reduction in risk and operational impact. Transparent risk metrics, investment scenarios, and long-range planning tools make it easier to justify funding requests and communicate priorities to boards, regulators, funding agencies, and stakeholders.

Your Partner For Smarter Water Decisions

Oldcastle Infrastructure is the foundation communities build on.

For more than 50 years we've partnered with our customers to solve North America's biggest infrastructure challenges. Across water, energy, and communications we bring more than 16,000 precision-engineered products, matched with design expertise, maintenance support, and on-time delivery. We innovate in material science, technology, and digital solutions to deliver what customers need today, and for the decades ahead.
As part of CRH, we're backed by one of the largest, most trusted infrastructure companies in the world. Our unmatched scale, experience, and product breadth mean that we deliver what no one else can: full-scale solutions.





CivilSense™ is an intelligent water platform designed to transform how municipalities, utilities, and engineers manage, protect, and expand their networks. This end-to-end suite of smart water solutions fuses advanced AI, deep industry expertise, and powerful technology into one unified platform designed to help ease water network management.

With CivilSense, teams can spot risks before they escalate, predict costly failures and blockages, and unlock new efficiencies across inspection, repair, remediation, and replacement.

Smarter Network Investment Decisions Start Here.

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