



Water solutions that reinvent the way our world is built.

We understand the pressures and challenges that you face, which is why we prioritize solutions that save you time and money, meet regulations, and exceed requirements. And it's why we make sure our technical experts and customer support teams are on hand to help you every step of the way.

We partner with engineers, architects, contractors, municipalities and utilities to design, deliver, maintain and improve America's critical water infrastructure.

We help you to supply clean water, predict and detect leaks, capture pollution, conserve and recycle rainwater, mitigate flooding, control flows, treat wastewater, recharge groundwater, plan and manage assets...in short, from rainfall to outfall, we have the breadth and depth of products and services that can help you deliver projects on time and on budget.

We combine our national network with local knowledge to make sure that we're set up to meet your needs quickly and effectively, and as part of CRH we're backed by all the resources of one of the world's leading building materials solutions providers.

We're not a supplier, we're your strategic partner – and we're here to help you succeed.





**Get market-leading
technologies, expertise and
support to deliver sustainable
water infrastructure projects
that build, connect and
improve our world.**

Stormwater



Irrigation

Wastewater

Water Loss Control

Clean Water

Smart Water Solutions



Partner with
America's leading
water infrastructure
solutions provider.

Market-leading products, services, and technologies

We design with engineering excellence, we manufacture with a commitment to quality, and we deliver with urgency. Our exceptional breadth of solutions provide the performance that you need to meet regulations, hit sustainability targets and design, install and maintain cost-effective, sustainable water infrastructure.

Dedicated customer support

Infrastructure projects are complex, and things don't always run smoothly. From planning to design, from installation to maintenance, our team of experts is available to answer your questions, provide project assistance and help you solve challenges throughout your project.

Trusted technical expertise

Our engineers, scientists, and technology officers combine more than 50 years of practical and historical experience. They are supported by young, creative and transformational talent. This combination delivers the right mix of products and services our customers can trust and rely on to solve complex, critical and urgent water management challenges. Partnering with us means that you've got our expertise at your fingertips and our experience in your corner.

A culture of innovation

We're innovating every day to help you do more, better, and faster. Whether it's developing new products, streamlining our customer support services or launching digital tools to help designers and specifiers, we're constantly improving—which means that you're constantly improving too.

Smart solutions

We're developing and innovating smart tools, systems and solutions that accelerate design work, improve performance and enable data-led decision making. Our smart solutions equip you with actionable, real-world data to mitigate risk, optimize processes and drive efficiencies at every stage of the project—putting you ahead of the competition and helping you solve tomorrow's water management challenges today.

Sustainability


The corporate sustainability focus at CRH runs wide and deep, it is part of the company culture which extends throughout all operating divisions. Our sustainability goals and targets push us to rethink how materials are used to enhance the circular economy, we're innovating for a low-carbon future and we're advancing solutions to solve global water challenges. We're prioritizing seven of the UN's Sustainable Development Goals, and through our strategy of direct action, partnering, influence and support we're integrating sustainability into everything we do.

Visit [crh.com/sustainability](https://www.crh.com/sustainability) to find out more.

Total water solutions for every project site.

From rainfall to outfall, our solutions enable you to convey, control, treat, recycle and reuse water no matter the site and no matter the objective.

Whether you need to harvest rainwater to irrigate a community garden, collect and store surface water to mitigate flooding, improve wastewater treatment or capture pollution to protect our environment, we have a solution that can help.



Convey
Clean Water

Access and Control
Irrigation

Clean Water

Ensure a reliable, resilient, efficient supply of clean water for homes, businesses and critical infrastructure—now and in the future.

Our solutions can help you monitor groundwater and reservoir levels, forecast supply and demand, convey and control drinking water, and predict and detect leaks with unrivaled accuracy.

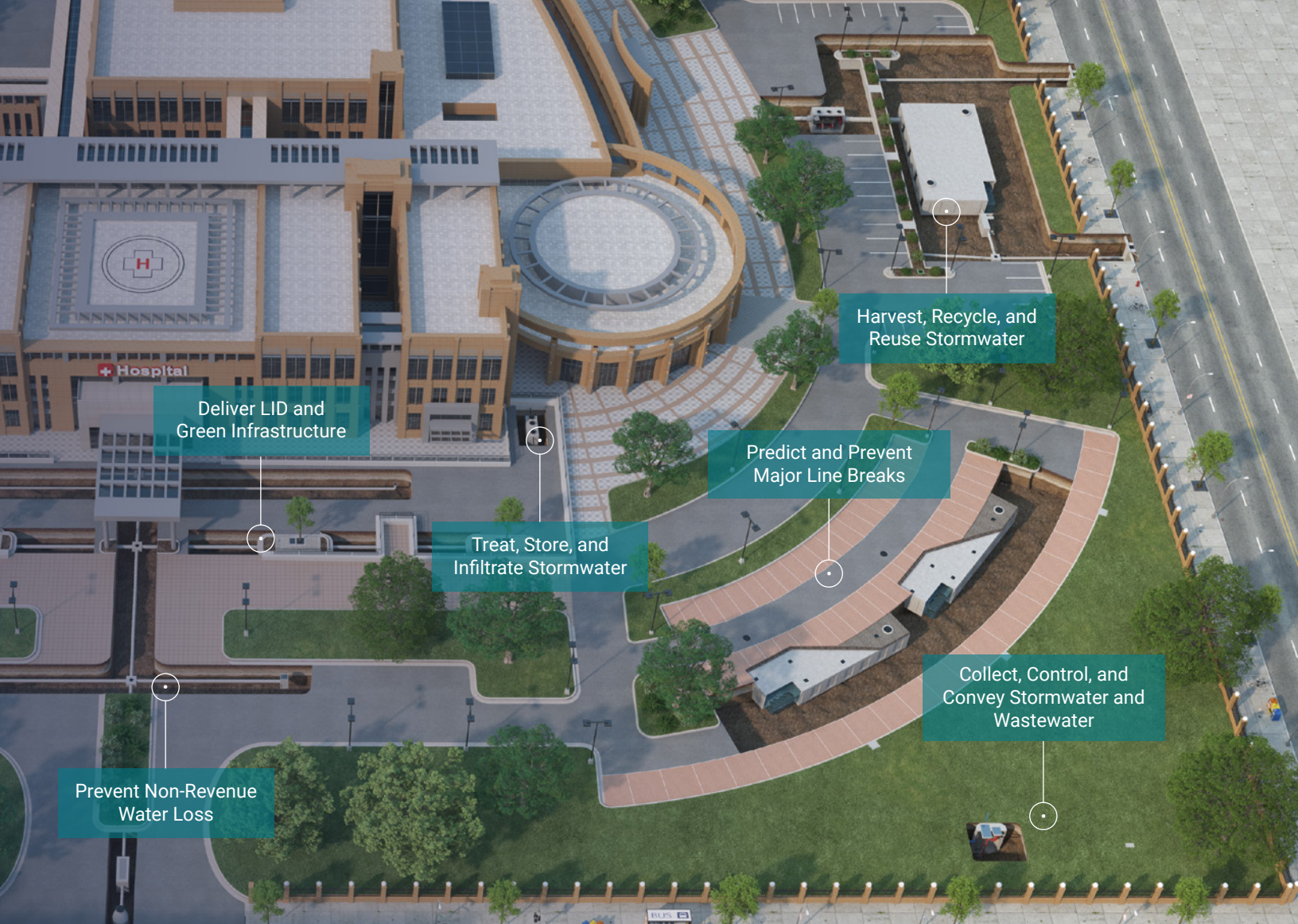
- Curb service boxes, meter and valve boxes
- Manholes
- Vaults
- Pipe and fittings

Stormwater

Capture pollution, mitigate flooding and conserve water to strengthen our communities and protect our environment.

Our solutions can help you meet clean water regulations, harvest and reuse rainwater, mitigate flooding and recharge our critical groundwater supplies.

- Area and trench drains, inlets, catch basins
- Pipe, junction boxes, and box culverts
- Lift stations and flow control
- Detention / retention / infiltration / deep infiltration
- Biofiltration and stormwater screening
- Stormwater maintenance and asset management optimization



Wastewater

Improve the effectiveness and efficiency of industrial and municipal wastewater treatment.

Our advanced grit removal solutions remove fine grit to improve operational performance and extend asset lifetimes. Our biosolids pre-treatment systems improve sludge quality and reduce maintenance.

- **Hydrodynamic separation**
- **Oil/water separation**
- **Sand and grease filtration/interception**
- **Grit removal, washing and dewatering**
- **Grit Concentration/Classification**
- **Sludge Screening and Degritting**

Smart Water

Use real-world data, insight and analysis to make better water management decisions.

Our solutions can help you model and forecast water supply and demand, monitor and respond to flood risks, predict, detect and fix leaks and improve maintenance efficiency.

- **AI-driven leak prediction and detection**
- **Level, flow & climate monitoring**
- **Smart maintenance**
- **Continuous monitoring & adaptive control (CMAC)**

Clean Water

Our clean water solutions ensure the protection and integrity of potable water, allowing for safe, reliable service while meeting regulatory standards. Our durable precast concrete vaults, water meter enclosures, valve boxes, and PVC pipe are all engineered to support efficient water distribution and treatment processes. Our solutions are built for longevity and optimal performance, supporting the continuous delivery of clean, safe water to communities.



Underground Enclosures for Access and Protection

The water and sewer department needed to repair and replace existing infrastructure located in a loading zone of a logistically challenging area. They required a solution that could handle the heavy loads and accommodate multiple meters.

- STAKKAbox™ ULTIMA Connect's easy-to-handle, lightweight components made it possible to construct the chamber with a minimal crew and no heavy machinery.
- The flexibility of the product allowed the crew to quickly overcome challenges when unmarked, existing infrastructure was uncovered.



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the case study

PVC Pipe and Fittings

Our comprehensive line of PVC pipe for water and sewer conveyance is manufactured to meet the most stringent industry requirements and designed to meet the latest industry standards for tolerance, dimensions, and materials.

PVC fittings are ideal for sanitary sewer connections, stormwater, and turf/landscape drainage and are tested and certified by NSF to meet or exceed all applicable requirements of ASTM D3034, CSA B182.2, and UPC. Our corrugated product line conforms to ASTM F405.



Stormwater

Oldcastle Infrastructure's stormwater management products and services reduce the risk of flooding, control erosion, and improve water quality by filtering pollutants from runoff. Our portfolio includes precast concrete detention and retention systems, catch basins, and stormwater treatment units, all engineered for maximum efficiency and durability; and inspection and maintenance services to ensure that they maintain design performance. Our innovative solutions provide reliable, scalable options for managing stormwater in compliance with environmental regulations.



StormCapture®

A groundbreaking concrete detention system that not only met project requirements but also enhanced detention capacity and expanded the size of the parking lot.

- Additional detention capacity without compromising the parking lot size, optimizing the use of available space.
- The project maintained an average of 10 trucks per day, ensuring timely delivery that adhered to the contractor's timeline.
- Installation with a single folded crane conquered the challenges of limited space and tight timeline.



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Integrated Stormwater Management

This outfall project showcased Oldcastle Infrastructure's ability to provide comprehensive, turnkey support and solutions that modernize communities and transform the lives of their residents.

- A combination of FloGard®, NSBB®, DVS and precast culverts, pipe and catch basins offered an increased level of drainage, traffic safety, residential and business safety in a residential area that is historically prone to flooding.
- Significantly reduced polluted stormwater runoff to otherwise clean water sources, improving overall water quality implementing green infrastructure.



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Wastewater

The wastewater treatment plant is one of the most challenging water management environments there is. Our solutions help you meet that challenge.

Grit King® Compact

A small treatment plant with no grit removal wanted an easy-to-install headworks grit removal system that would fit into their budget, provide excellent performance, and require very little maintenance.

- A Grit King® Compact system with control panel and a grit classifier provided the protection they needed with minimal maintenance requirements.
- The Grit King® Compact internals can be placed in your pre-cast or poured concrete tank, significantly reducing construction time and costs.



OneLift™ Pump Station

A quality solution for the city wastewater collection system that installed quickly and efficiently, with more capacity and a smaller footprint than the existing station.

- Turn-key, pre-assembled system allows installation in as little as 4 hours.
- Single structure design reduces excavation costs and eliminates differential settlement issues inherent to two structure stations.
- Requires as little as half the footprint of conventional systems.
- Flexible design options allow a variety of heights to seamlessly integrate into pre-existing infrastructure.



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Smart Water

By addressing water loss head-on, we not only safeguard the well-being of current generations but also secure a brighter and more sustainable future for generations to come.

CivilSense™

America's only AI-powered predictive and real-time risk analysis and leak detection water asset management solution.

- **Prevent Major Line Breaks**
Prioritize water distribution network repairs to address high-risk sections and prevent disruption
- **Cut Non-Revenue Water**
Reduce water loss and ensure efficient, sustainable, resilient water supply
- **Prioritize Asset Management**
Detect, locate, and rank leak sizes across water delivery networks
- **Improve Accuracy and Reliability**
Leverage advanced AI trained on 2.3 million acoustic signatures, effectively reducing false positives by filtering out extraneous background noise



1

Assess Risk

Network data is analyzed by our AI to identify areas of risk. Network sections are then prioritized, and sensor deployment locations optimized.

2

Deploy

Our expert team installs sensors across the network

3

Analyze

Data is securely collected and transmitted to our AI for analysis. The AI detects, locates and sizes leaks

4

Pinpoint

Field engineers pinpoint and mark the exact locations of each prioritized leak

5

Validate

Sensors continue to collect data to validate that repairs are performed successfully

6

Report

Upon sharing post-repair dig and flow data, final evaluation and reporting are provided to quantify savings



Scan to learn
more about our smart
water solutions

Infrastructure Design Tools

The Oldcastle Infrastructure Online Design Tool is created by engineers for engineers. Save time and increase efficiency when designing your next stormwater project by using this state-of-the-art tool. Immediately receive the right product selection and submittal drawing for your application.



Scan to learn more
about our infrastructure
design tools



Storage

StormCapture® is a customizable, modular total stormwater management system used for infiltration, detention, retention and harvesting.

Bioretention

TerraMod™ is a modular bioretention system that offers an easy-to-design, easy-to-install solution to help meet stormwater green infrastructure and low-impact development requirements.

Biofiltration

BioPod™ is an advanced biofiltration design to remove total suspended solids (TSS), dissolved metals, nutrients, gross solids, trash and debris as well as hydrocarbons from stormwater runoff.

Hydrodynamic Separation

Hydro-Shield Advance™, NSBB®, First Defense®, and Downstream Defender® are flow-through devices that capture sediment, trash, and debris. They are compact and easy to install.

Deep Infiltration

MaxWell® drywell systems are designed and installed for improved stormwater infiltration, drainage and groundwater recharge, mitigating flooding and managing surface water runoff within a compact footprint.

Cartridge Filtration

PerkFilter® and Up-Flo® Filter are media-filled, cartridge filtration systems that use physical and chemical treatment processes such as sedimentation, filtration, and sorption to remove TSS, metals, nutrients, trash, and debris.



Why Oldcastle Infrastructure?

Our scale.

Our product breadth.

Our expertise.

Our Legacy

As we've grown we've added product breadth, technologies and expertise to become the leading provider of water solutions products and services. By combining, integrating and enhancing our products and technologies we're able to bring you a greater range of solutions that better meet your needs. In short, you get far more than the sum of our parts.

Torrent Resources



For over 50 years, Torrent Resources' proven track record and extensive technical knowledge have positioned the company as the undisputed leader in critical deep infiltration systems. Torrent Resources is the preferred solution for sustainable stormwater management in residential, commercial, and public utility markets.

Torrent Resources became part of Oldcastle Infrastructure in November 2019.

National Pipe & Plastics



National Pipe & Plastics has been producing PVC pipe for residential, agricultural, commercial, municipal and export markets since 1970. At acquisition the company was one of the largest PVC pipe producers in North America.

National Pipe & Plastics became part of Oldcastle Infrastructure in October 2021.

Normandy Products



Normandy Products has been providing PVC sewer and drain pipe fittings and HDPE snap fittings for over 60 years, using an active inventory strategy to protect customers from raw material cost fluctuations. At acquisition the company maintained the largest parts and raw materials inventory in the industry.

Normandy Products became part of Oldcastle Infrastructure in October 2022.

Hydro International



With over 40 years of experience and a reputation for engineering excellence, businesses and public bodies all over the world rely on Hydro International products, services and integrated solutions to reduce flood risk, improve water treatment and protect the environment from water pollution.

Hydro International became part of Oldcastle Infrastructure in July 2023.



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