KUSTOMFLO

Made to measure.
Made to last.



SOLENO

MASTERING WATER SUSTAINABLY

An enduring mission.

By supporting the environmental transition of North American water management infrastructures, **Soleno is committed to helping you create infrastructures that will last for generations**.

Our world-class customization and in-depth collaboration are designed to build **a better and more sustainable future.**



Your goals. One vision.

We collaborate with water management professionals to help **build, rethink or redesign water management systems** across a variety of applications, offering **customized sustainable solutions and lasting, high-quality products** made primarily with high-density polyethylene (HDPE).

Our commitments.

Building tomorrow's water solutions today

Customizing sustainable solutions for a better future

Teaming up with communities to innovate the way we manage water

Always-on sustainability.

Whether we're **targeting climate transition**, working to **preserve balance in natural habitats** or partnering with you to provide technical service at every step, we're ready to go the distance for a better future.



HDPE, the option of the future.

High-density polyethylene (HDPE) is not only cost effective, it is the most environmentally friendly option for water management. Thanks to its life cycle cost and reduced environmental footprint, HDPE has emerged as an improved choice over concrete.



Why choose HDPE? Because this material is:

- Extremely performant and durable, with a lifespan that can exceed 100 years
- Resistant to corrosion, abrasion, de-icing salts and vibration for a long infrastructure life
- Soft and flexible for excellent impact resistance at temperatures ranging from 30°C to 90°C (-20°F to 190°F)
- Easy to handle in any situation and less brittle than PVC or concrete
- Approximately 21x lighter than a concrete pipe of the same diameter, lowering transport costs and requiring no specialized equipment for an easier installation



KUSTOMFLO

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The most robust and tailor-made piping systems

With one of the largest diameters on the market, our KUSTOMFLO pipe has one-of-a-kind customization, including wall thickness, stiffness and profile selection.

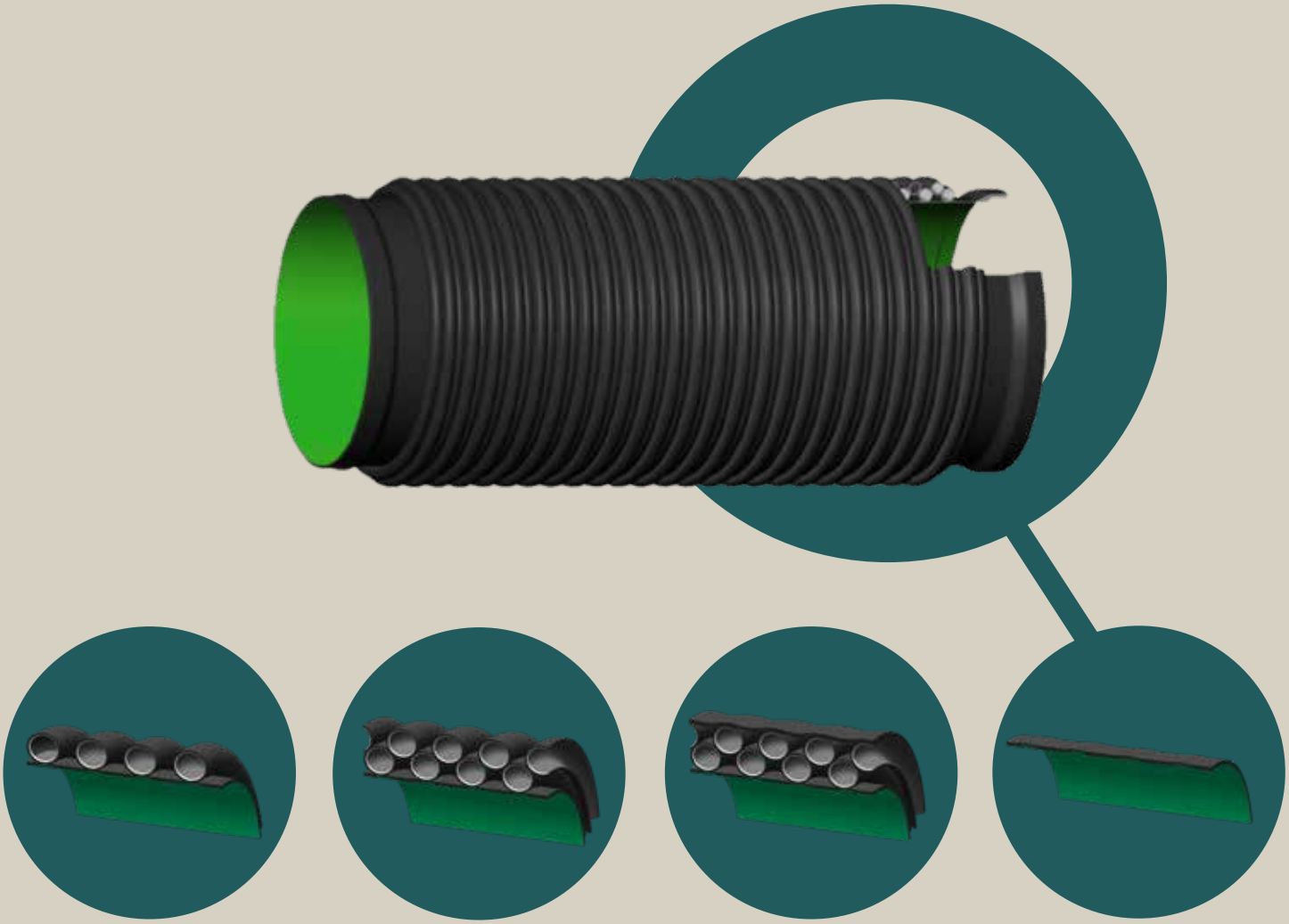
Custom features include:

- One-of-a-kind customization, including wall thickness and profile selection
- Lifespan exceeding 100 years
- Vast diameter selection ranging from 600 mm to 3400 mm (24'' to 136''). Additional diameters available upon demand
- Adaptable profiles available according to internal pressures or load applied to the pipe
- Meets requirements of current standards, ASTM F894, DIN 16961, EN 13476 and BNQ 1809-300 for both gravity and pressure pipe applications
- Unique joining technologies including gasket bell and electrofusion
- Lightweight material simplifies installation and handling
- Allows for manufacturing of custom manholes and accessories

Over 100 profile types available for a single pipe.

Our KUSTOMFLO pipe is made using world-renowned KRAH technology, resulting from an ADAPTIVE process that allows the optimization of the pipe profile to meet the specific needs of any project or applicable standard.

This custom manufacturing, drawing on over 100 different profiles, lets you build to your unique specifications today to help connect communities for generations.



Open Single Profile

Open Olympic Profile

Closed Olympic Profile

Solid Wall Profile

Take your profile customization to the next level with options that include:

- Smooth interior with corrugated exterior
- Smooth interior and exterior
- Solid wall
- Double and triple profiles with smooth interior and corrugated or smooth exterior
- Inner and outer walls that vary in thickness
- Profiles that vary every 200 mm (8”)
- Variable core tube diameters available

Custom joining technologies for a complete range of connections.

For a homogenous watertight network and a reliable pipe system, several types of connections are available, including plain end, bell spigot with gasket, gasket bell, flange, and electro-fused joints.

Bell and Spigot:

- Double or single gasket
- Waterproofing up to 15 psi
- 125 mm (5”), spigot insertion depth

Electro-fused joints:

Our unique electrofusion joining technology ensure complete watertight and permanent joints, as the whole piping system becomes a seamless unit.

- 125 mm (5”) nesting interlocking
- High-strength bell
- Waterproofing up to 30 psi (higher value upon request)
- Electrofusion wire protected by a plastic film



Open up a world of water management applications.

The versatility, adaptability and durability of KUSTOMFLO pipes make them the perfect choice for a vast range of applications.

- Pressure systems such as water mains
- Sewers, collectors, and culverts
- Relining and rehabilitation
- Outfall pipelines
- Storage systems
- Tanks and pumping stations
- Manholes and accessories

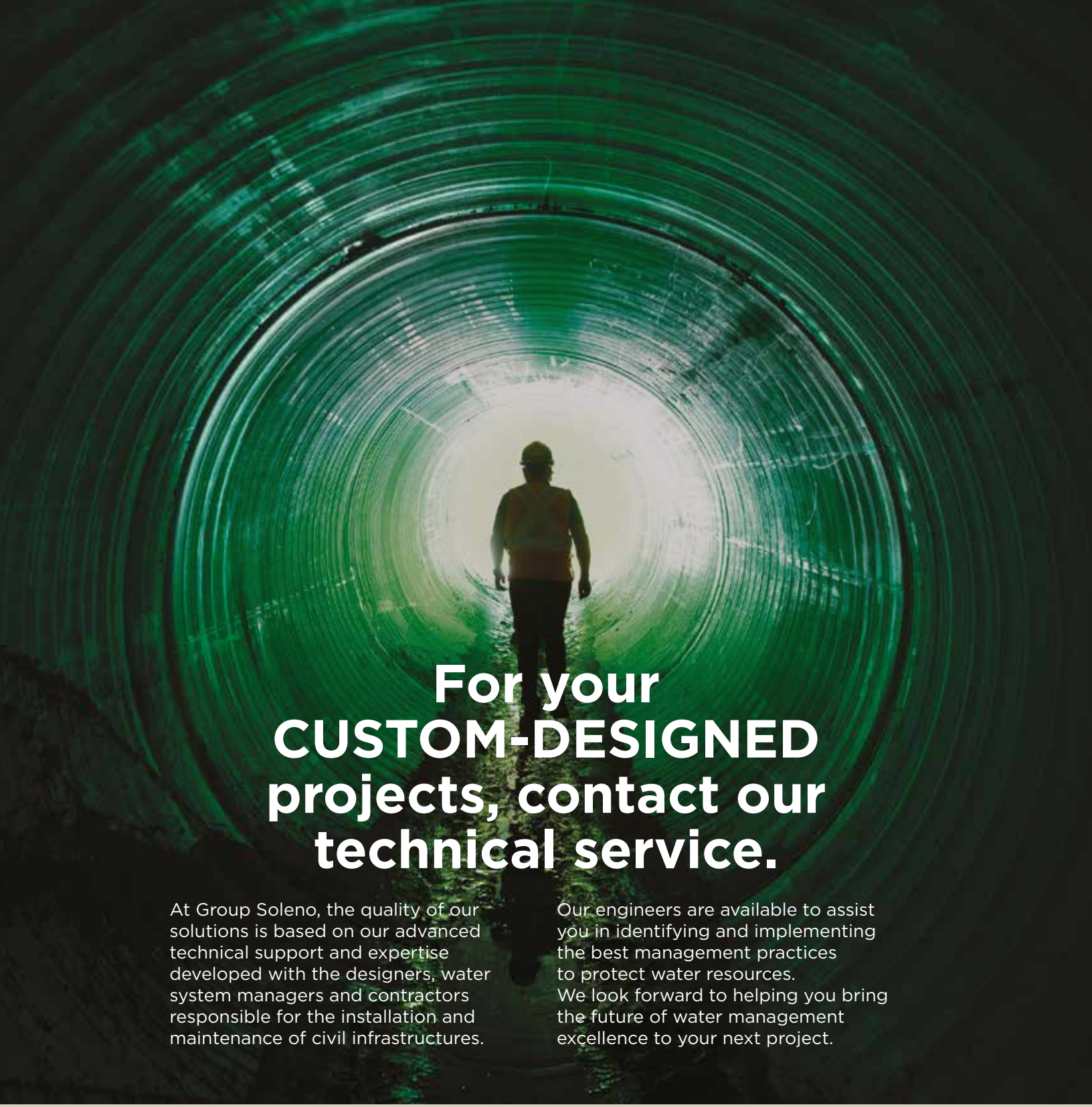


Significant speed of execution and installation.

Take advantage of cost reduction, equipment optimization and time efficiency.

- Lightweight sections designed to simplify handling and installation
- Pipes that can be cut with a simple saw, producing no silica dust
- Extended pipe lengths of 6 m (20') each reduce the number of joints, minimizing installation time and leakage risks. Shorter and longer homogeneous lengths available upon demand
- No specialized equipment required for installation





For your CUSTOM-DESIGNED projects, contact our technical service.

At Group Soleno, the quality of our solutions is based on our advanced technical support and expertise developed with the designers, water system managers and contractors responsible for the installation and maintenance of civil infrastructures.

Our engineers are available to assist you in identifying and implementing the best management practices to protect water resources.
We look forward to helping you bring the future of water management excellence to your next project.

PLASTICS PIPE INSTITUTE

Réseau Environnement

SOLENO HAS OBTAINED
its **ECO**RESPONSIBLE Certification - Level **2**. **Performance** in sustainable development from the **ECO**RESPONSIBLE™ Program
(Saint-Jean-sur-Richelieu plant only)

SOLENO IS ISO 9001 CERTIFIED
(Saint-Jean-sur-Richelieu plant only)

SOLENO.COM

OUR PRODUCTS AND SOLUTIONS ARE DESIGNED AND MANUFACTURED TO THE HIGHEST STANDARDS