



Japan  
Fund for  
Poverty  
Reduction



URBAN  
CLIMATE CHANGE  
RESILIENCE  
TRUST FUND

# Catalyzing Innovations and Digitization for Safe, Sustainable, Resilient, and Inclusive Water Management

LAUNCH OF E-MARKETPLACE AND PUBLICATIONS

15-19 March 2021



## Reduce Water Loss

Name of Organization **GF Piping Systems**

Location **Singapore**

Year Registered **1994**



## Technology Profile

GF Piping Systems scored on multiple innovation breakthrough technologies, improving various applications in water industries with products and service solutions.

One in every 300 joints fail yearly due to improper installation.

**Ultrasonic Non-Destructive Testing:** safe, cost-efficient ultrasonic examination checks the leak tightness of piping joints, with 20-30 joints tests per day increasing efficiency and reducing costs. GF Piping Systems is the only company offering this innovative testing with the world's first pass/fail algorithm criteria on welded HDPE material, now being used across global projects.

**Track&Trace** is a digital cloud-based field data collector, supporting you with a wide range of online functionalities to streamline your decision-making processes throughout the implementation and operation of your water distribution project.

Managing your teams working on installations can be challenging due to the complex tasks and dependencies involved and

the physical distance between your office and the worksites. Our solution provides your team with product and process data, registering the precise position of all your components and monitoring the installation progress and quality in real-time.

The **NeoFlow PRV**, with its pressure management technology, is targeted towards existing and future water utility networks to help you in reducing excess consumption, existing leakage, and mechanical stress. As a smart polymer valve, NeoFlow offers numerous advantages, such as nine times lighter, lifetime corrosion-free, and can decrease installation time by up to 40%.

By reducing water loss, less water needs to be treated and pumped through the system. Consequently, the energy needs can be decreased in an efficient way. In the United States, a 5% reduction of water leakage can save up to 225,000 metric tons of carbon dioxide (CO<sub>2</sub>) annually, which is the equivalent to the CO<sub>2</sub> emissions of 14,000 U.S. citizens. This supports GF's goals to provide a more sustainable environment.

To know more about our Smart Water Technology:

[Brochure](#)

[Specialized Solutions - Condition Analysis](#)

[NeoFlow Pressure regulating valve - Water in balance](#)

[Trust in HDPE - GF Piping Systems](#)

The recording of interactive session will be uploaded here.

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