

GF Piping Systems

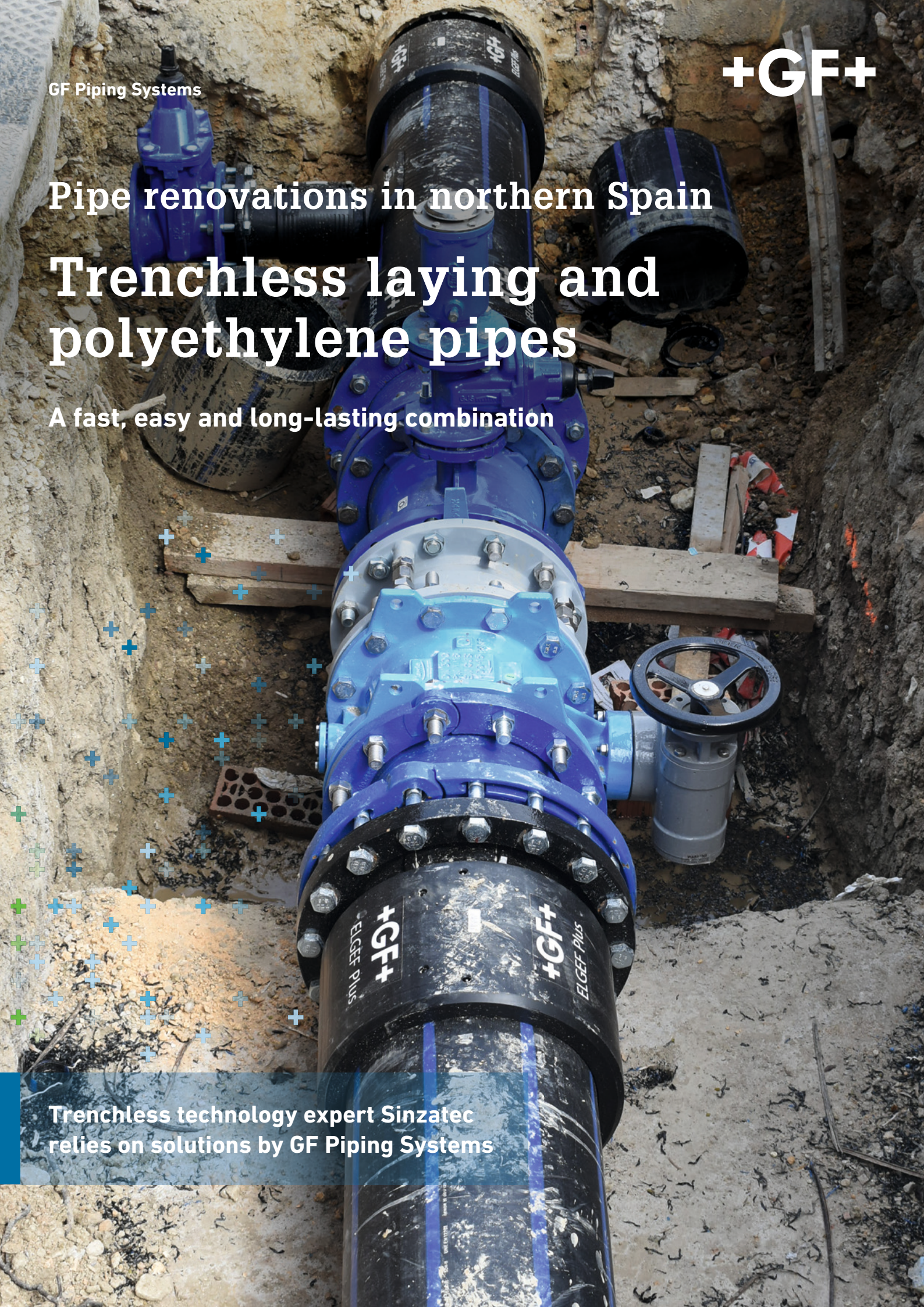


Pipe renovations in northern Spain

Trenchless laying and polyethylene pipes

A fast, easy and long-lasting combination

Trenchless technology expert Sinzatec
relies on solutions by GF Piping Systems



Polyethylene piping systems and proprietary installation tools ensure a reliable water supply for over 250.000 people

Due to the combined stresses of corrosion, high pressure and constantly evolving networks, water utilities have to regularly renovate their piping systems. In order to make these renovations as efficient as possible, they must rely on technical solutions that speed up the laying process and reduce maintenance requirements. For a large utility company in northern Spain, these solutions are polyethylene pipes and fittings as well as trenchless tools by GF Piping Systems.

Project background

The municipal utility in question is responsible for a water network with a length in excess of 650km which supplies more than 1,5 million cubic meters of water to a population of over 250.000 people every year. To ensure the reliable supply of water, the company regularly updates and renovates its network. This often requires large and expensive trenches that are especially problematic in densely populated cities. After being notified that a section of the water network must be renovated in early 2021, Sinzatec, a specialist for trenchless technologies, decides to implement a wide range of products from GF Piping Systems.

Selected technical solution

In an effort to speed up the installation process and lower the maintenance requirements for the water network, Sinzatec installs ecoFIT pipes as well as ELGEF Plus Fittings by GF Piping Systems. Both product ranges are manufactured out of polyethylene, a lightweight material that is corrosion-free and easy to work with. In addition, GF Piping Systems offers compatible tools that ensure an efficient trenchless laying process, such as a special topload installation tool with an integrated peeling tool which allows Sinzatec to flexibly place the branch saddles without having to cut the pipes.

Achieved improvement

Sinzatec is able to quickly complete the installation by relining existing fiber cement pipes. Only minor trenches are needed to attach lateral outlets to the new pipes which is made possible by the tools supplied by GF Piping Systems. Carlos Gonzalez, the Utility Sales Manager at GF Piping Systems who oversaw the project in Spain, is pleased with the results: "The client was not only able to save money during the installation but also has the peace of mind that that they have selected high quality and long-lasting products that require little maintenance. This benefits the client but also the people in this beautiful region."



The old fiber cement pipes are relined with a modern polyethylene system. Only small trenches are required to attach lateral outlets.



The topload tool supplied by GF Piping Systems allows for a flexible placement of branch saddles without having to cut the pipes.

Customer benefits

- **Piping systems made of polyethylene are lightweight, corrosion-free and require little maintenance.**
- **Trenchless laying technology enables utilities to efficiently install and renovate piping systems without the need for large building sites.**
- **GF Piping Systems offers complete solutions, including pipes, fittings, and the necessary tools for a fast and easy installation.**

Your contact

Georg Fischer Piping Systems Ltd
Ebnatstrasse 111
8201 Schaffhausen / Switzerland

Telephone +41 (0)52 631 11 11
mail@georgfischer.com
www.gfps.com

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