



Zero impact rehabilitation in Conegliano Veneto

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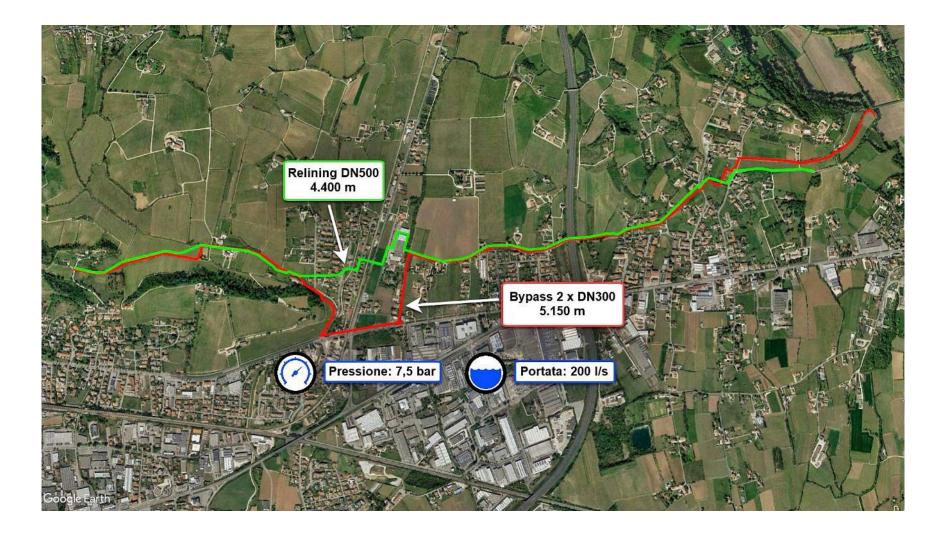




Piave Servizi S.p.A. is the operating company that manages the Integrated Water Service for over 135,000 users located in 39 Municipalities, supplying quality drinking water to over 344,000 inhabitants.



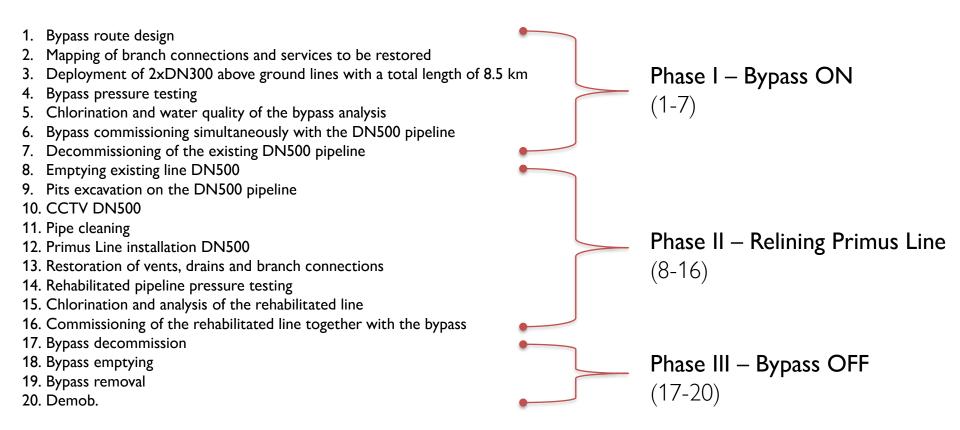








Project working steps.



21. Repeat.





Primus Line system.



Flexible high-pressure liner

Patented end fittings

Primus Line[®] system







Composition of the liner – DN 150 to DN 500

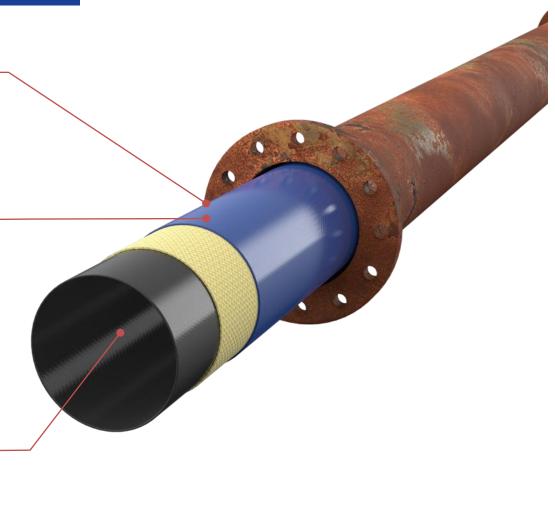
Outer layer:

Abrasion-resistant PE sheath → Protection of the fabric during insertion process

Reinforcement:

Aramid fibre fabric (one or two layers)

- \rightarrow Absorption of the tractive forces during insertion
- → Accomodates the operating pressure by itself



Inner layer:

Based on PE or TPU

→ Sealing the reinforcement against the transported fluid





What is Kevlar ® ?

Synthetic aramid fiber developed by Dupont® in 1965.

Ultralight and ultra-resistant material.

Great mechanical tensile strength.

Weight for weight it is 5 times stronger than steel in tensile strength.

Used for PPE, bulletproof vests, motoring, aviation, sports equipment etc.









Bypass deployment







Bypass tie-in point with existing line





















Very delicate and sensitive working areas









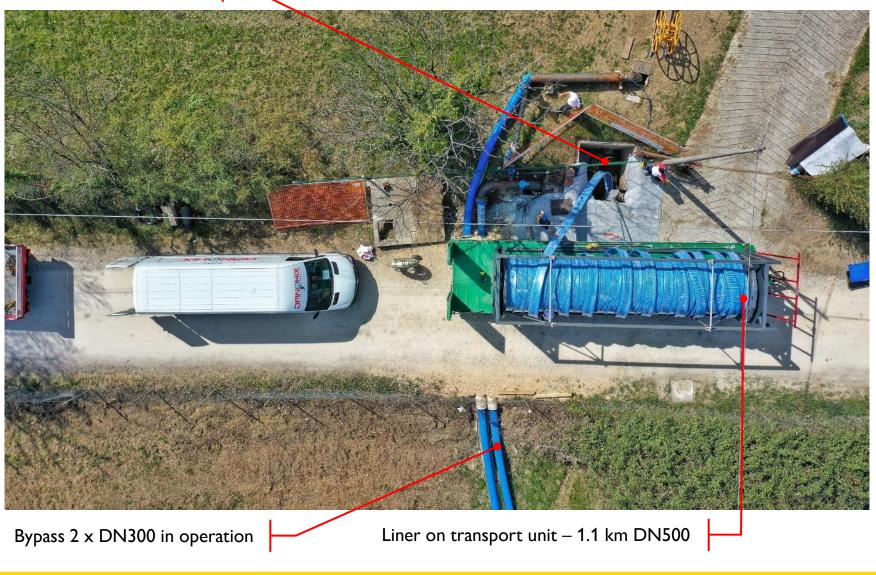








Existing pipeline chamber





















DN300 branch connection restored

Air valve restored







Bypass removal





Fine.

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