

CASE STUDY: Genoa, Italy

PROJECT

Genoa, Italy

Rehabilitation of a gas pipe, DN 457

CHALLENGE

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| Length | 501 m in 3 installations (184 m, 142 m, 175 m) |
| DN | DN 457 mm |
| Working pressure | 350 mbar |
| Test pressure | 1 bar during 24 h |
| Product | SAERTEX-LINER® Gas |
| Installer | BENASSI - Helios Trenchless Division |
| Old pipe | Ductile iron, which was already rehabilitated with a fabric liner several years ago |
| Damage | Leakages |

The decision of using a trenchless rehabilitation technology for this challenging project was mainly made of ecologically reasons: The leaking gas pipe runs directly under an avenue with old trees. Another aspect for this decision was to ensure a minimal disturbance of traffic and

local residents through long road closures and noises.

Due to these facts, our partner BENASSI - Helios Trenchless Division and IRETI decided to install the SAERTEX-LINER® Gas for this project.

Installation time

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| 21 st August 2017 | Separation, cleaning and inspection of the pipe |
| 22 nd August 2017 | Carrying out the remaining preparations |
| 23 rd – 28 th August 2017 | Installation of the 3 sections including closing of the pipe and securing the pits within 4 work days |
| 29 th August 2017 | Assembling of the 6 end seals with an approval for gas |
| 30 th – 31 st August 2017 | Pressure test during 24 h |

