

CASE STUDY

SPR™ RO

1182 Budapest, Halomi Street, Hungary
Project Name: Halomi Street Sewer Rehabilitation
184 m DN1200



The Halomi Street Sewer Rehabilitation project in Budapest (Client: Fővárosi Csatornázási Művek Zrt.; Distributor: Sekisui Chemical GMBH; Partner: Agriapipe Kft.) required a fast, trenchless solution due to severe internal corrosion caused by hydrogen-sulfide exposure and the pipe's location beneath a heavily trafficked roadway. The RIB Loc / Rota-LOC trenchless technology was selected for its proven structural reliability, compatibility with site conditions, and ability to minimize surface disruption. Installed between November 3–18, 2025, the method fully met all technical, structural, and environmental requirements.

The rehabilitation was completed quickly, without traffic impact, and delivered a high-quality, fully compliant restoration of the pipeline. Aggressive wastewater from the upstream regional sewer network had caused significant biochemical and chemical corrosion along the interior surface of the pipeline. Prolonged exposure to hydrogen-sulfide-induced acidification and anaerobic by-products led to visible deterioration of the pipe wall, confirming the need for comprehensive rehabilitation.

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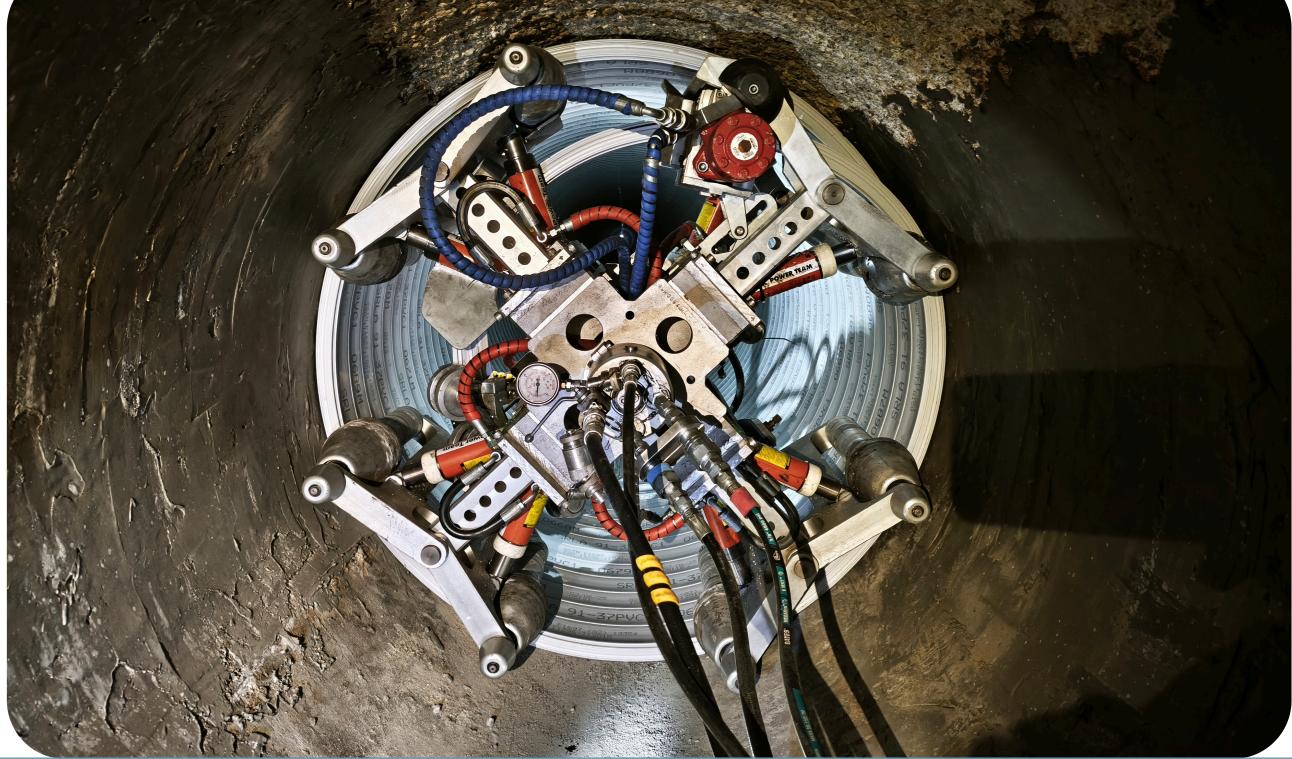


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Before Lining



During Lining

Project Description

The sewer line is located beneath a high-capacity, heavily trafficked roadway, where any conventional open-cut excavation would have resulted in significant traffic disruption and substantial logistical challenges. Consequently, a rapid, fully trenchless rehabilitation method was required to ensure both operational continuity and minimal surface impact. This requirement was effectively met by Sekisui GMBH, which provided an appropriate solution through the application of the Rota-LOC trenchless technology.

The Rehabilitation Process

The Rota-LOC technology met all project-specific requirements and technical specifications, fully complying with the structural, operational, and environmental criteria established for the rehabilitation works. Owing to its proven reliability, compatibility with the site conditions, and its ability to ensure rapid, trenchless execution without compromising pipeline integrity or traffic flow, this method was ultimately selected as the most suitable solution for the project. The rehabilitation carried out using the Rotaloc technology delivered fully satisfactory results. The installation was executed in complete accordance with the relevant technical specifications and regulatory requirements, and the implementation process was completed within a notably short timeframe. The method ensured a high-quality outcome while minimizing disruption, thereby fully meeting the expectations set for the project.

Project Feedback

"We were fully satisfied with the performance of the applied technology, and the rehabilitated section has demonstrated the expected operational improvements. Looking ahead, we anticipate that additional sections of the sewer line will also require rehabilitation. For these future works, it is our intention to select the same technology, given its proven efficiency, reliability, and suitability for the site conditions."

— Agriapipe Kft.

Agriapipe Kft. reported full satisfaction with the performance of the applied technology, noting that the rehabilitated section delivered the expected operational improvements. Based on the method's efficiency, reliability, and suitability for the site conditions, they anticipate using the same technology for future rehabilitation phases along the sewer line.

The client also expressed satisfaction with the rapid execution of the works and has indicated plans to conduct follow-up assessments to monitor the long-term performance of the installed lining system. These evaluations will help verify the durability and sustained effectiveness of the solution under the specific operational conditions of the sewer network.



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