

Infrastructure Components

Safe Discharge of Wastewater and Sewer Renewal – a preventive approach



Our service ...

Our core expertise includes providing expert consultancy and planning services, together with the judicious implementation of sewer renewal measures and the development of maintenance concepts. The industry-specific know-how of our engineers and technicians, together with our knowledge of plant and site conditions, will be used to ensure the success of your project.

Our range of services for sewer renewal comprises engineering services for sewer inspections to establish current condition and classify damage, and the design for the actual renewal measures themselves using a variety of procedures and including manhole renewal.

We also offer services for:

- new connections/redevelopment;
- water retention measures;
- drainage of roads and open areas;
- sewer system operation/control (installation of gate valves).



Relining of PE pipes using pre-welded sections

Individual cost-benefit analyses are used to arrive at the most economic solution in terms of process, materials and project management.



Relining using endless pipe, insertion above ground

... is your gain.

The safe and cost-effective discharge of wastewater is an essential prerequisite for the operation of production plants. Reflecting the importance attached to the protection of groundwater, various regulations and laws are in place which operators of private sewer systems must observe to minimize the impact of their operations and discharges on groundwater.

This requires the regular inspection and renewal of existing sewer pipes. If requested, we will assume the responsibilities of the project owner (statutory self-monitoring of sewer systems, safety and health protection on construction sites, etc.) so that you can focus on your business. Take advantage of our many years of experience in the "underworld".

We devise and implement economic strategies for renewal and water retention measures in the sewer system for surface runoff and sanitary wastewater as well as industrial effluents. Leave the coordination to our competent construction supervision team – we will ensure that your project goes smoothly.





Our approach

We leverage our many years of experience to develop and implement economic solutions that are optimized in terms of technology for both new sewer systems and also renewal and expansion measures for sewer pipes, manholes, gate valves, etc.



Pipeline renewal through Trolining®

We offer in-depth consultancy services and draft concepts prior to the start of the project. This allows our customers to choose the most appropriate solution with respect to technology and budget. Our planning is not based on a few standard solutions, but rather the optimal alternative for the project at hand. Renewal options include:

- U-liners;
- relining using endless pipe
- sealant methods;
- tube relining.

Our extensive knowledge of the market ensures that the correct solution and partners are chosen for the work at hand.

Our dedicated construction supervisors on site will make your project a reality. The work of all contractors will be thoroughly planned in advance and coordinated so that the project is concluded successfully with a minimum of impact on adjoining facilities. Consultancy for the operation of sewer systems rounds up our service spectrum.

References

We have renewed several kilometers of sewer lines made from a wide range of materials and of various diameters in the Leverkusen, Uerdingen and Dormagen Chemical Parks and at other locations around the world to substantially reduce operating costs. These projects comprised the:

- renewal of pipes carrying sanitary wastewater;
- connection of new plants to an existing sewer system;
- new sewer systems for rainwater and sanitary wastewater;
- sub-division of sewer systems for additional safety;
- installation of flow meters and shut-off valves;
- manhole renewal for systems carrying aggressive wastewater;
- integrated leak monitoring systems.



Sewer cover as shutoff device/manhole renewal using PU lining
Of course, our experience and expertise is not limited to sewer renewal but also extends to the new construction and operation of sewer systems and other underground conduits.

Contact

Phone: +49-214-30-80900 • Fax: +49-214-30-9662530 • E-mail: info@bayertechnology.com
www.bayertechnology.com