

Revitalizing
our world from
the inside out

RS Technik 

LEADERS IN INFRASTRUCTURE REHABILITATION

RS TECHNIK

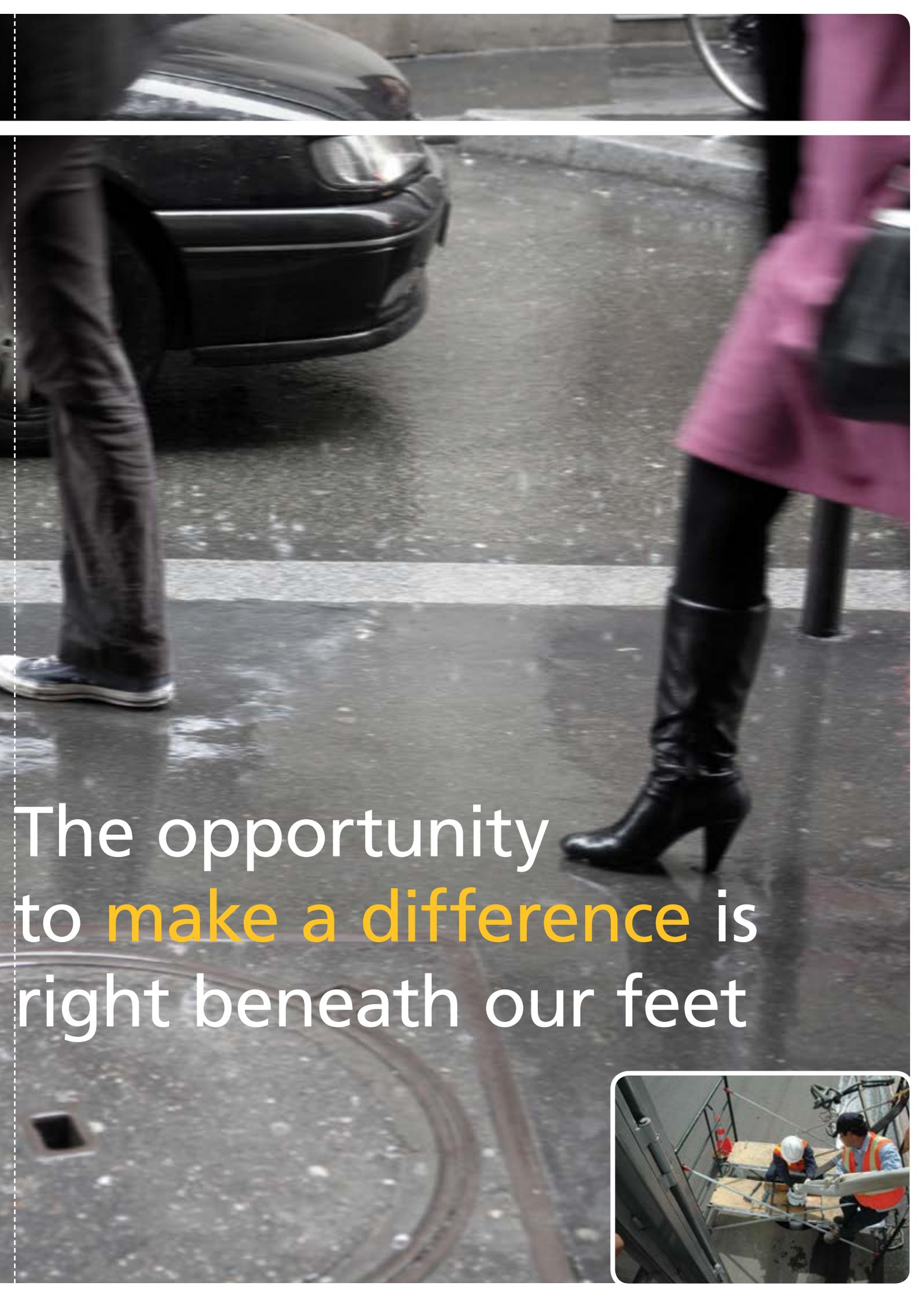
For more than 25 years, RS Technik has been working with its customers to develop innovative products and solutions through the combination of chemistry and technology. The people at RS Technik believe that each day brings a new opportunity to create better ways to make a positive change in the world around us.

One of the most important areas for significant global impact lies beneath us. The aging and decaying infrastructure of wastewater pipelines around the world presents major challenges and abundant opportunities for positive change. While there are many rehabilitation providers who offer solutions to this problem, RS Technik's strategic focus on the protection of high value infrastructures drove them to best practices in the protection of human health and the environment. RS Technik is the market leader in the development and delivery of high performing, cost-effective wastewater rehabilitation systems renowned for the environmental compatibility and dedication to quality, one-source solutions.

Headquartered in Switzerland with a global presence, RS Technik employs cured-in-place pipe (CIPP) technology, the fastest-growing and most generally accepted method in the underground pipe rehabilitation industry. CIPP minimizes disruption to people, the environment and surrounding infrastructure by avoiding excavation of existing pipes.

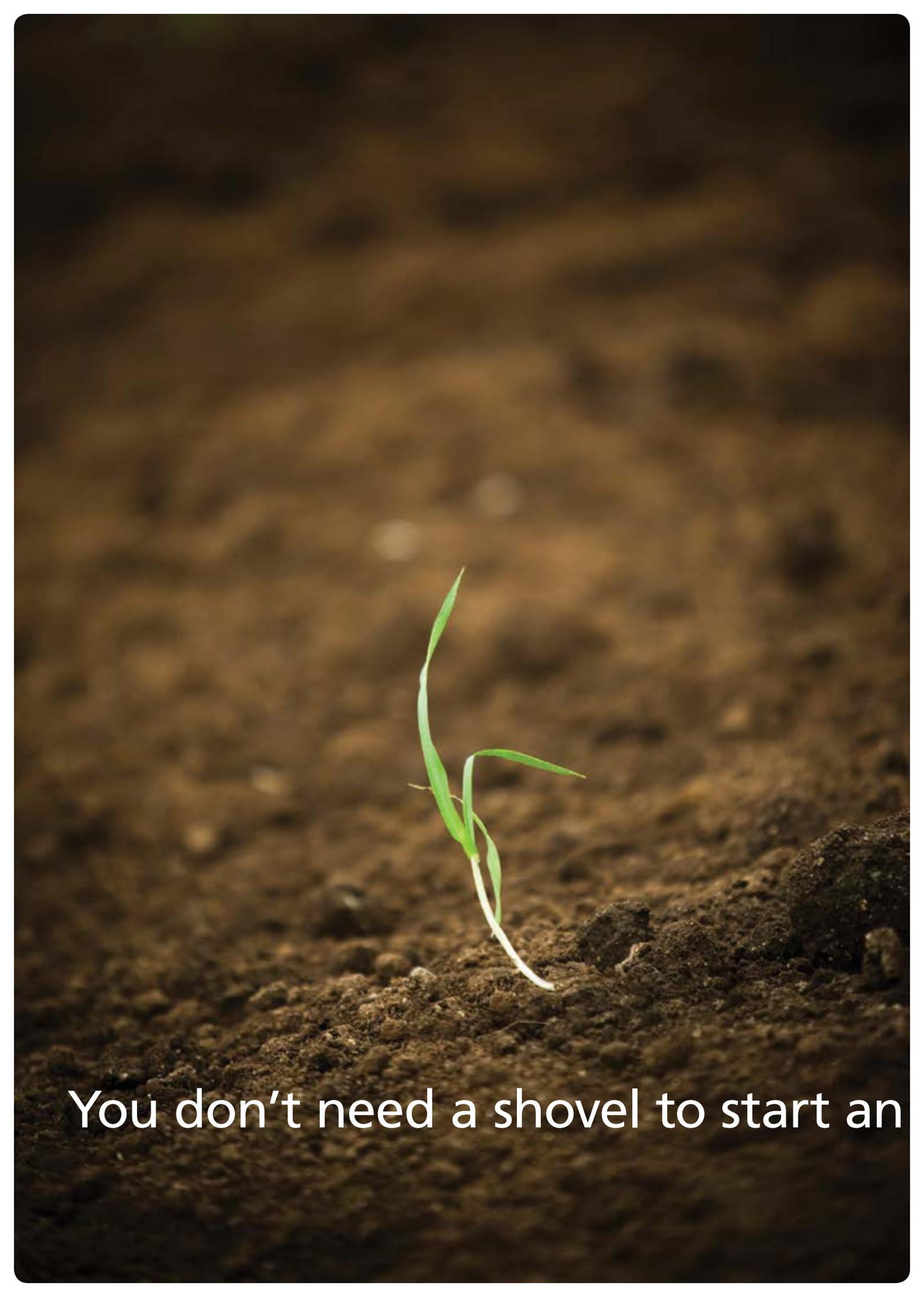
CIPP technology rehabilitates aging or damaged pipelines by constructing a new pipe inside the existing pipe. The process begins with a specialized liner material that is saturated with uniquely formulated resins via vacuum impregnation. The saturated liner is calibrated in thickness to ensure the end-product meets precise design specifications. The liner is then ready for insertion into the existing pipe using air or water inversion through manholes, eliminating or minimizing the need for excavation. Next, hot water or controlled steam, is used to cure the liner in place. Service connections are internally reopened with robotic cutters. With the trenchless rehabilitation now complete, the previously deteriorated pipe has been successfully renewed while minimizing social, environmental and economic impact.

For over 25 years RS Technik has been providing a comprehensive suite of pipe rehabilitation solutions including state-of-the art equipment, quality materials, epoxy resins, on-site training and ongoing technical support. Development and use of every RS Technik solution is fundamentally grounded in providing proven, effective and reliable alternatives to restore buried infrastructures around the world.

A street scene showing a dark car on the left and a person in a pink coat and black boots on the right. The ground is wet and reflective. A manhole cover is visible in the bottom left corner.

The opportunity
to **make a difference** is
right beneath our feet





You don't need a shovel to start an



Now you can repair underground wastewater infrastructures with a mobile unit that elevates quality control while providing confidence that every project is done right. Performing in accordance with industry standards and specifications, these comprehensive systems—including **RS MaxLiner®**, **RS CityLiner®**, **RS PolyLiner®**, **RS MaxPatch®** and others—offer the best CIPP technology available around the world. With unparalleled quality control features and logistical advantages— including the ability to prepare, impregnate and install CIPP liners right on the job site—RS Technik systems are agile, reliable and consistently deliver sustainable solutions.

As a self-contained mobile unit, the ability to control on-site conditions is a major reason RS Technik systems are superior to other methods of CIPP repair. The all-in-one, computer-controlled portable technology results in high levels of consistent quality

- Agile truck- and trailer-mounted systems house the equipment, resins, and other materials in a temperature-controlled environment for optimum handling and performance.
- State-of-the-art mixing and measurement technology provides precise management of resin application, for each project's specific design requirements.
- Data logging provides verification of installation parameters for unparalleled quality assurance and quality control.

RS pipe rehabilitation systems are used to renew pipelines up to 1400 mm in diameter. The liners can negotiate up to 90 degree bends, and can accommodate size transitions and thickness changes. RS Technik offers complete solutions for the total rehabilitation of wastewater pipes with add-on systems for lateral lining and sectional or point repairs.

underground revolution



There has never been a more important time to repair and rehabilitate gravity pipes on a local, national and global basis.

Currently, replacement is the most popular method of choice in addressing wastewater pipe deterioration and failures. Not only is this method damaging to roads, adjacent infrastructure and landscapes, it is also disruptive to traffic, and detrimental economically to businesses located within the construction zone. RS Technik's trenchless CIPP technology can reduce CO2 emissions by as much as 85 percent compared to traditional replacement excavation, which is critical in sustaining the environment for the benefit of future generations.

Our systems minimize trenching, construction time, environmental, social and economic impact, while providing quality long-term solutions that stop water loss from aging, leaking pipelines. Together, we are creating positive global change with these proven alternatives.





The need for infrastructure solutions is crystal clear





When it comes to
wastewater infrastructure,
failure is not an option

For most, there is an “out of sight, out of mind” mentality regarding the negative impacts of deteriorating wastewater pipes. Unless they are confronted with total failure, such as sewage dumping into waterways and streets or waste backing up into homes and businesses, people are largely unaware of the presence—much less the magnitude—of the problem.



Global health, as it is linked to reliable wastewater systems, is of major concern. Our systems are, indeed, failing. Many of the world’s current wastewater systems experience enormous rates of groundwater infiltration through aging, deteriorated pipes, causing treatment facilities to become severely over-burdened and costing billions for facility capacity expansion and treatment of groundwater, as well as unnecessary energy consumption and related environmental impact.

The repair of wastewater systems will have a huge potential impact on improving health, protecting the environment and stimulating economic growth around the world. We can’t afford to fail in this endeavor. The goal of RS Technik is to lead the world community’s renewed effort to ensure success through the delivery of tools designed to proactively respond to the needs of failing wastewater conveyance systems.

The comprehensive, mobile nature of RS Technik systems provides a new opportunity to be ready to fix problems as they are found and proactively contribute to solving the world’s wastewater infrastructure problems, while there is still time.



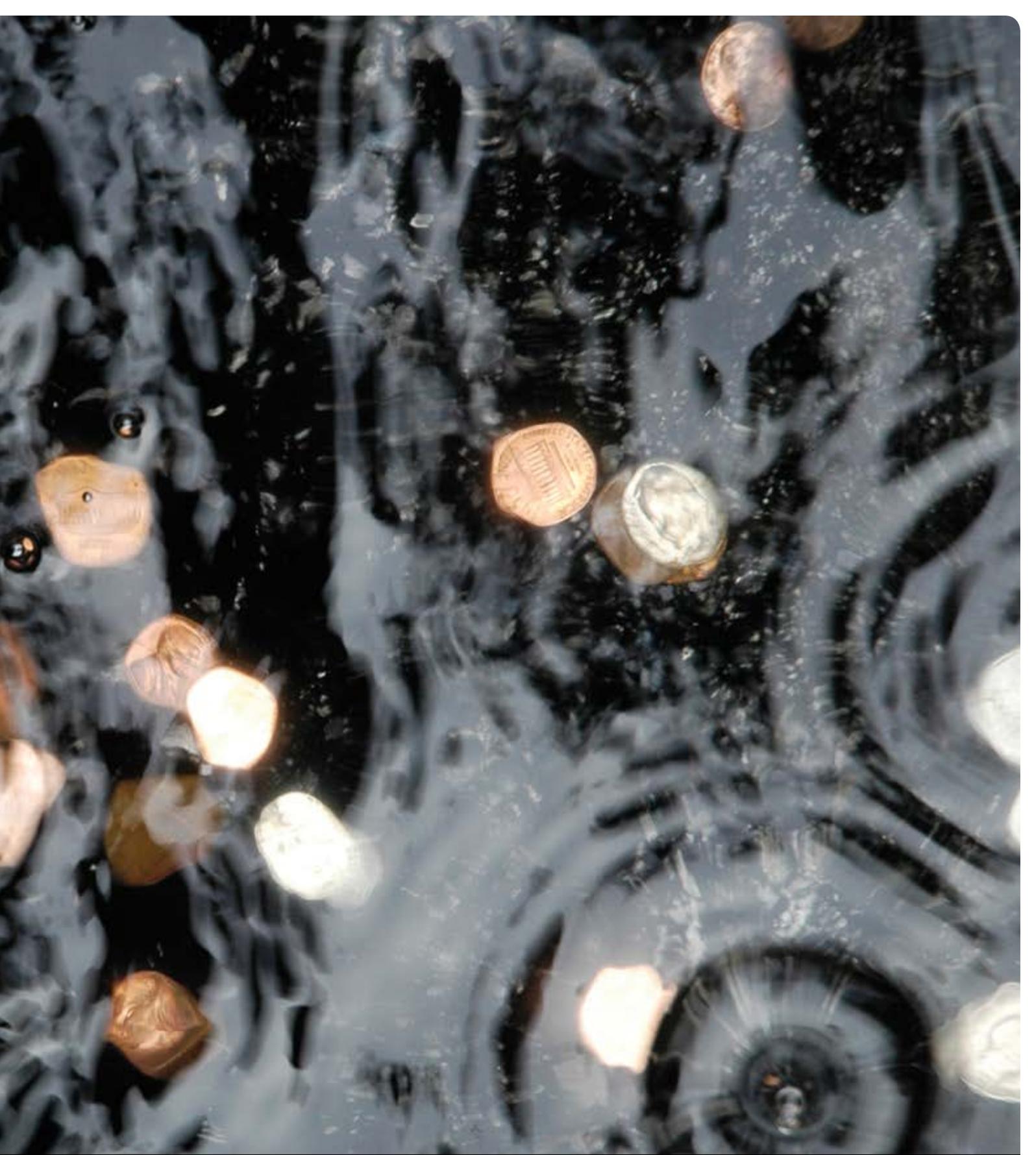
Some said epoxy liners were a pipe dream

The truth is, pipes renewed using formulated epoxy systems are stronger, safer, and higher-performing. Now available as part of RS Technik systems, the development of formulated epoxy systems designed specifically for CIPP use, with mobile installation technology, is in growing demand.

Our systems maximize the benefits of the non-toxic, odorless, safe handling properties of traditional epoxies while enhancing the performance of our pipeline rehabilitation solutions. This is accomplished by formulating for specific characteristics which benefit installation and improve long-term durability.

Equally as important are the liners we use. Designed to meet and exceed the specific needs of each unique installation, liners are manufactured using the best materials available with impeccable precision and quality control. These quality practices assure the consistent delivery of liners that conform to precise specifications, possessing the properties required for complete, repeatable and successful installations every time.

For municipalities and owners, our epoxy liners are “a dream come true”.



BENEFITS OF EXPOXY

Styrene-free > High adhesion > Excellent chemical resistance > Non-shrink



The pipeline rehabilitation and repair equipment used by RS Technik is state-of-the-art. The formulated epoxy resin systems produce superior performance when compared to traditional resin systems. The liner materials are uniquely designed for optimum renewal of deteriorated and damaged pipelines. In addition to our high quality rehabilitation techniques and materials, we offer comprehensive training and support to assist our customers during each phase of their projects. Ultimately, we believe an engineered solution that integrates products, technology and know-how offers the best opportunity to experience consistent, reliable, sustainable success.

RS Technik system solutions will give you inner strength

We deliver unparalleled technology and knowledge to our customers through the ongoing training and support which have become the keystone of our system's success. RS Technik furthers the ability to meet the growing needs of buried infrastructure through the constant development of new technologies, and improvement of existing ones, by optimizing the expertise founded in the resources.

RS Technik delivers full system solutions from one source designed to meet and exceed the specific needs of each unique installation, providing the structural strength and long-lasting performance required for complete and successful pipeline repair and rehabilitation. Whether installed within gravity lines, you can have the inner confidence that our solutions will deliver superior strength that will stand the test of time.



Confidence is what the future holds

Our customers will be the first to tell you that the RS Technik offers proven, time-tested equipment combined with quality materials that are effective, efficient, safe and complete. They will also tell you that our environmentally friendly, high-performing epoxy resins deliver the cost-effective, high quality results they demand. But of equal importance to our customers is the confidence that their decision to work with RS Technik comes with ongoing training, support and true partnership.

RS Technik combines proven formulated epoxy-based chemistry and trenchless technology to deliver sustainable solutions. We invite you to join us as we renew the world beneath us for generations to come.



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