

Innovating industrial diagnostic together

for seamless integration and enhanced productivity.

rosenxt

www.rosen-nxt.com

Sound steel for modern structures

Typically, steel products must fulfill a number of requirements. Whether semi-finished products for steel and bridge construction, pipes for off-shore towers and wind turbines, or within the railway industry – countless infrastructures rely on steel components that must withstand high levels of stress.

What would it be like if the quality of pre-products and other steel products could be inspected continuously during the production process, non-destructively, reliably and automated?

The requirements in industrial diagnostics are high and often complex. At Rosenxt Industrial Diagnostic Solutions, we understand the challenges you need to overcome. With our years of specialized technical expertise, we are here to make your journey easier by offering comprehensive non-destructive testing solutions including consulting, manufacturing, on-site installation, modernization and unwavering support, from a single source, seamlessly integrated into your production, with testing via:

- Conventional Ultrasonic (UT)
- Phased Array Ultrasonic (PAUT)
- Electro-Magnetic Acoustic Transducer (EMAT)
- Eddy Current (EC)
- Magnetic Flux Leakage (MFL)

Take advantage of our experts' comprehensive know-how in industrial diagnostic. Ensure that your products match highest quality standards.

Perfection in pre-products

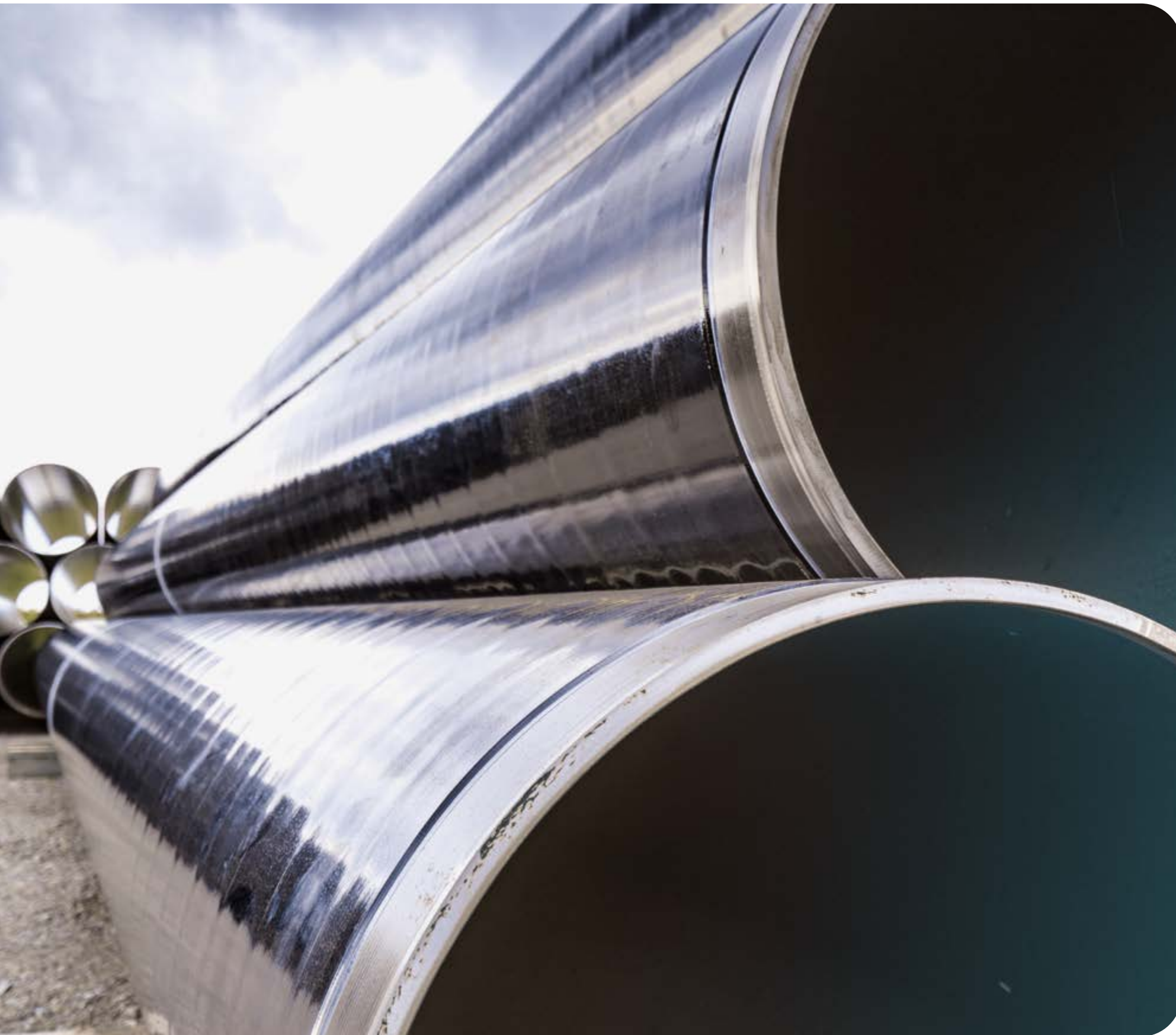
The steel industry manufactures plates, rails, slabs and bars, which are later shaped into end products – in the pipe industry, in machine building, and in steel and bridge construction.

These pre-products must already be absolutely sound – visual control is generally not sufficient for detecting volume or surface defects.

Our testing systems operate automated and can be seamlessly integrated into the production process if desired. We offer steel manufacturers customized non-destructive testing of: **heavy plates / thick plates / strips / rails / bars and billets**

Let us help you secure the highest quality for your semi-finished and primary products. Your customers count on you.





Talent for tubes

Tubes and pipes are used in many industries: as construction elements for mechanical engineering, as pipelines in the oil and gas industry or as static elements within the construction industry. They must be capable of withstanding extreme pressure and temperatures. In order to ensure the safety of the construction, even minimal inaccuracies in the material must be detected during the tube and pipe production process.

All familiar territory for us: Our testing systems detect volume defects, lamination, flaws in tube and pipe ODs and IDs, and defects in weld seams and heat affected zones.

We inspect

- weld seams (SAW and ERW longitudinal seam-welded tubes and pipes)
- spiral weld seams
- seamless tubes and pipes and modernizes UT pipe testing systems.

Be certain that your products are absolutely sound – before they leave the pipe mill. Others count on it.



Trains on trial

Trains are an important means of public transport. Their wheel sets, wheels and axles are subject to a high level of dynamic stress.

Continuous inspections during the production process and after commissioning are critical in order to meet quality standards and to increase operating time of the wheels and, more importantly, to detect potential damage as early as possible.

Our systems detect volume defects and surface flaws in wheel sets, wheels, axles and rails – at the manufacturer and in maintenance shops. We offer solutions for:

- production control (wheel sets, wheels and axles) maintenance
- inspection (wheel sets, solid and hollow wheel set axles).

Detect irregularities before they turn into weak spots.



Simply count on us

We offer a complete package of high-end technology plus services like consulting with you, developing a custom-tailored concept, building the matching testing system, putting it into operation and maintaining it regularly. We even handle the necessary certifications, so that you can continue to focus on your products.



What you can expect from Rosenxt

Development and Manufacture of Testing System
Multi-technology approach Custom testing systems

On-Site Installation and Commissioning
Custom-tailored systems, in accordance with pertinent standards

After Sales and Maintenance
Maintenance, replacement parts service, certification and re-certification

Modernization and Revamping
of existing testing equipment

Consulting and Concept
Highly experienced engineers, custom-tailored testing solutions

Engineering and Machine Building
High R&D investments, in-house manufacturing

Automation
Comprehensive technology portfolio/many years of experience



The Benefit

Our specialists work with you to develop custom-tailored testing solutions – perfectly adapted to your requirements. Our testing systems stem from a comprehensive technology portfolio and are extraordinarily precise and they fulfill international as well as customer-specific standards.

We help you to:

- ensure the quality of your products
- minimize risks
- optimize your production process
- increase the operating time of your products
- maximize efficiency and lower costs

With Rosenxt you get more than just a testing system – you get a promise:

There is simply no better way to ensure safety, quality and compliance.

Hello. We are Rosenxt.

Rosenxt is a forward-thinking technology group — we are visionary architects of progress with years of engineering excellence.

As a privately owned global partner, we look far beyond tomorrow, are committed to the long-term and thus turning opportunities into successful ventures. We are tech enthusiasts through and through, diving deep into the latest technologies. This expertise in various technology fields, such as sensors, autonomous robotic, AI or advanced materials and our strong R&D mindset allows us to develop highly innovative products and services for customer in most challenging environments such as subsea, industrial, renewables, or the integrity of water and energy supply.

Our purpose goes beyond pure business; it's about creating progress and sustainable value — for our customers, our partners, and society at large.



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