

## Press Release

# ROSEN GROUP'S CRACK-DETECTION NOW CERTIFIED BY TÜV TÜV SYSTEMS NORD CERTIFIES ROSEN EMAT INSPECTION TOOLS FOR EUROPE

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**Lingen (Ems), Germany, August 2017**— With the TÜV certification of its inspection tools, the ROSEN Group has further solidified its position as a technology leader. While the company's UT inspection fleet has now been certified for a while, the certification of the so-called EMAT inspection technology was completed only recently. Like UT, EMAT is used for crack detection in gas lines. Early detection of potential cracks in gas pipelines is an important factor in ensuring the safe operation of such pipelines. Already in 2010, ROSEN had developed the EMAT technology to an operational stage. Since that time, it has earned an extraordinary reputation in the oil and gas industry.

Two representatives from the TÜV Nord Group traveled to the ROSEN location in Lingen (Ems) to present the certificate. "We are now the first and only company in all of Europe that can offer its clients TÜV-certified inspection tools," Thomas Beuker, Director Advanced Pipeline Diagnostics for ROSEN, exclaimed happily. The independent certification by the TÜV Nord Group confirms the high quality of these inspection tools that completely fulfill the requirements set forth in TÜV memorandum 1069. This in turn gives operators of industrial systems the certainty that their pipelines are being inspected reliably, while allowing ROSEN to add yet another unique selling point to its already impressive list.

The tools were qualified by way of a variety of different pull tests, from which the gathered data were compared to reference measurement data, as well as the pertinent documentation. To this end, so-called "EMAT pigs" in various diameters, from 16" to 48", were subjected to rigorous testing at the company's largest location in Lingen (Ems). "I am extremely proud of this accomplishment. The result documents the success of our international team of experts," Beuker said, adding, "This makes us even more attractive for the type of national and international professionals that we are looking to add to our team in Emsland."

The demand for certification is continuously on the rise throughout Europe among operators who are eager to satisfy the increasing demands on the safe and efficient operation of pipelines set forth by the pertinent regulatory agencies. The ROSEN Group takes its responsibility as a global technology leader seriously and, in so doing, offers its clients considerable added value. So far there are no regulatory guidelines for this type of certification in Europe.

### About EMAT Inspection Technology

EMAT (Electro-Magnetic Acoustic Transducer) is an inspection technology that can be used to inspect pipelines for cracks or coating defects. To this end, a rapidly fluctuating magnetic field creates ultrasound waves in the pipe wall. Material defects reflect these sound waves, which are then captured by the EMAT sensors. Contrary to conventional piezo-electric ultrasound, familiar to many from visits to the doctor or hospital, no liquid coupling agent such as water or oil is necessary. This makes the EMAT technology especially ideal for gas lines.

### About the ROSEN Group

The ROSEN Group is a leading global provider of cutting-edge solutions for all areas of the integrity management process. Since its origins as a one-man business in 1981, ROSEN has grown rapidly and continues to do so. Today the business is still privately owned and employs a team of more than 2,800, operating in more than 120 countries.

The four key ROSEN areas of expertise include:

- Inspection of critical industrial assets to provide the high quality information needed to ensure reliable and effective operation
- Customized engineering consultancy ensuring efficient asset integrity management
- Production and supply of customized novel systems and products
- Market-driven, topical, state-of-the-art research and development providing “added value” products and services

For more information please visit our website at: [www.rosen-group.com](http://www.rosen-group.com).

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