

PRESS RELEASE

New wireless product for securely transmitting data in explosive and hard to reach underground environments

Wolftank Systems uses nanotron Technologies' innovative chirp technology for monitoring plants and storage tanks in the petroleum and chemical industry.

Berlin, June 4, 2012. Leading RTLS and WSN provider nanotron Technologies has supported civil and industrial petrochemical expert Wolftank Systems with its innovative chirp technology. By integrating nanotron's unique chirp technology, the Wolftank Systems product, SEFI6, enables wireless data transfer in the most hard to reach and hazardous conditions typical of the petroleum and chemical industry. SEFI6 securely transmits data where conventional wireless transmission devices are unable to operate. Wolftank Systems utilises SEFI6 to wirelessly monitor critical parameters of plants as well as above ground and underground storage tanks.

SEFI6 makes wireless monitoring of critical parameters possible for ATEX regulated environments. This includes underground facilities, massive constructions and facilities behind thick security doors or inside chambers covered with metal or cast iron. The technology even operates through electrically shielding barriers and under conditions where additional soil, groundwater or reinforced concrete may act as "faraday cage" like barrier to wireless transmissions. Even under such awkward conditions, the wireless sensor network remains highly reliable.

SEFI6 comprises of remote sensor units, repeater units (if necessary) and a control unit with network connection. Wireless connectivity simplifies the installation of sensors in potentially explosive and strictly regulated ex-zones; eliminating the costly and time-consuming digging and cable setting - reducing costs and saving time. Also, further security measures such as galvanic barriers or shielding are no longer required. Thus, nanotron's technology offers improved reliability while reducing the total cost of ownership.

Wolftank Systems CEO, Dr. Peter Werth, explains, "nanotron's chirp spread spectrum radio technology ensures stable data connection – even under the most difficult conditions. This allows us to take an entirely new approach to wireless monitoring of critical parameters in ATEX regulated environments. We have installed our SEFI6 product in more than 50 fuel storage plants since April 2011 for uninterrupted operation 24 hours a day, 7 days a week." nanotron Chief Executive Officer, Dr. Jens Albers, adds, "We are happy to see our technology enter further challenging application environments such as the petroleum and chemical industry. With SEFI6, Wolftank Systems has achieved full ATEX 94/9/CE certification, to conform to the RTTE directive. This shows that our technology meets the highest standards."

Nanotron and Wolftank Systems successfully showcased their product at the IDTechEx in May in Berlin.



Caption: SEFI 6 monitoring an underground tank transformed by Wolftank.

About nanotron:

nanotron Technologies is a leading provider of wireless products that help to *protect* and *find* people, animals and valuable assets. They create highly accurate location information and energy-efficiently transmit data with a single, low-cost chip. nanotron's technology is patent-protected and follows ISO and IEEE standards for global asset tracking. nanotron's solutions are used in a wide range of applications and industry verticals including child safety in public places, livestock monitoring & management, mine safety, virtual fencing and transit yard management. nanotron's products are available on two distinct platforms: *protect* and *find*. The *protect* platform monitors proximity. The *find* platform locates people, animals and valuable assets. Both platforms create reliable and efficient visibility. nanotron supports its customers and channel partners to adapt the *protect* and *find* products to the needs of their vertical markets.

About Wolf tank

For more than 25 years, Wolf tank Systems has operated successfully in the petroleum and chemical sector with qualified staff and competent group partners. The company's mission is the highest protection of the air, water and soil due to the most advanced and innovative technical solutions. Over 9.000 customers, including all major oil companies, currently appreciate the great Wolf tank Systems experience.

Based on this experience, Wolf tank Systems constantly develops new solutions that are adapted by quality management teams to the specific demands of customers. All Wolf tank Systems working processes are certified ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007 and OIMS.

Media Contacts**nanotron Technologies**

Thomas Förste

VP Sales and Marketing

T +49 30 399 954-0

Email t.foerste@nanotron.com

Web <http://www.nanotron.com>

PR Agency

CREAM COMMUNICATION

Anne Bettina Jäger

T +49 40 431 791 26

Email bj@cream-communication.com

Web <http://www.cream-communication.com>