EXOSENS: ON-SITE NEUTRON RADIOGRAPHY BECOMES A REALITY

PRESS RELEASE
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Exosens, a global leader in imaging and detection technologies, proudly announces a transformative leap in Non-Destructive Testing (NDT): on-site neutron radiography imaging is becoming a reality. Exosens has been capturing neutron images with its Neutronis system, significantly advancing the progress of making on-site neutron radiography possible.

This achievement validates years of development and marks a turning point for neutron imaging. Historically, obtaining neutron radiographs required shipping samples to specialized national laboratories, which involved lengthy delays, high costs, and confidentiality risks. Neutronis revolutionizes the shortcomings of this process by delivering high-performance neutron radiography directly in the lab—on demand.

Key features of the Neutronis include:

- Proven Imaging – Successful validation with a lab-size neutron source confirms the system is operational
- Improved Contrast – With a different contrast mechanism, neutrons reveal features X-rays cannot see
- On-Site Capability – Imaging performed directly where needed, eliminating shipping delays and confidentiality concerns

"We're encouraged by these results and the remarkable progress of our Neutronis technology. This breakthrough will open the door to faster, more flexible, and more secure NDT workflows across countless industries at a substantially lower cost. While there is still work ahead, these initial images prove that on-site neutron imaging is moving from concept to reality," said Ulrich Laupper, President of Exosens' Ultimate Detection Business Unit

At the heart of the Neutronis system is the Neutronic[i], a state-of-the-art thermal neutron detector, powered by Exosens' patented Microchannel Plate (MCP) technology. Its efficiency and resolution improvements have made this breakthrough possible. This cutting-edge system is set to redefine capabilities in the NDT industry.

See It at ASNT 2025

Exosens will showcase the Neutronic[i] at booth #1128, along with the early images and system advancements of the Neutronis system during ASNT 2025, taking place October 6–9 at the Coronado Springs Resort Convention Center. Visit booth #1128 to learn more.

In addition, Serge Duarte Pinto, PhD, will present the latest Neutronis update:
"Progress with On-Site Neutron Imaging"
Thursday, October 9 | 10:45–11:15 AM | Monterey 2–3
ASNT 2025 Event - Progress with On-site Neutron Imaging

ABOUT EXOSENS:

Exosens is a high-tech company, with more than 85 years of experience in the innovation, development, manufacturing and sale of high-end electro-optical technologies in the field of amplification, detection and imaging. Today, it offers its customers detection components and solutions such as travelling wave tubes, advanced cameras, neutron & gamma detectors, instrument detectors and light intensifier tubes. This allows Exosens to respond to complex issues in extremely demanding environments by offering tailor-made solutions to its customers. Thanks to its sustained investments, Exosens is internationally recognized as a major innovator in optoelectronics, with production and R&D carried out on 12 sites, in Europe and North America and with over 1,800 employees.

Exosens is listed on compartment A of the regulated market of Euronext Paris (Ticker: EXENS – ISIN: FR001400Q9V2). Exosens is a member of Euronext Tech Leaders segment and is also included in several indices, including the SBF 120, CAC All-Tradable, CAC Mid 60, FTSE Total Cap and MSCI France Small Cap.

For more information: exosens.com