

XENICS PARTNERS WITH DLR.DE FOR NASA/JPL'S VERITAS MISSION

PRESS RELEASE

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Xenics, part of Exosens, a global leader in advanced imaging technology, is proud to announce its collaboration with the German Aerospace Center (DLR.de) for NASA/JPL's highly anticipated VERITAS mission and ESA's EnVision mission. This strategic partnership underscores Xenics's commitment to delivering cutting-edge solutions for space exploration.

The VERITAS mission (Venus Emissivity, Radio science, InSAR, Topography, And Spectroscopy) and ESA's EnVision mission aim to transform our understanding of Venus by creating high-resolution maps of its surface and exploring its geologic evolution. A central component of these missions is the integration of Xenics's state-of-the-art [Bobcat](#) Short-Wave Infrared (SWIR) sensor.

The Xenics Bobcat sensor is a high-performance infrared imaging sensor specifically designed for extreme environments, including space exploration. It combines advanced imaging technology with robust engineering to deliver the best performance in demanding conditions. Its 640x512 resolution ensures high-detail imaging, and its design incorporates radiation-hardened technology, making it capable of withstanding the intense radiation and thermal variations encountered in space missions. The Bobcat sensor will play a crucial role in providing imaging capabilities enabling VERITAS to capture detailed surface features of Venus even under challenging conditions.

"We are thrilled to partner with DLR.de on such a groundbreaking mission," said Paul Ryckaert, General Manager of Exosens Advanced Imaging business unit. "Our Bobcat sensor's proven performance and resilience make it an ideal choice for the VERITAS mission, and we look forward to contributing to the discovery of new insights about our neighboring planet."

DLR.de, A pivotal contributor to the mission's success, will integrate the Bobcat sensor into the spacecraft's instrumentation - Venus Emissivity Mapper. "This collaboration represents a significant milestone in leveraging international expertise for space exploration" said Gisbert Peter, Project manager and head of department at DLR.

About DLR.de

The German Aerospace Center (DLR.de) is Germany's national research center for aeronautics and space. With extensive expertise in space technology, DLR.de plays a leading role in international missions and collaborations.

ABOUT XENICS:

Xenics is a leading product brand of Exosens, a high-tech company with more than 85 years of experience in the innovation, development, manufacture and sale of high-end electro-optical technologies. Xenics, pioneer of infrared technology, designs, manufactures and markets infrared imagers, cores and cameras of best-in-class image quality to support machine vision, scientific & advanced research, transportation, process monitoring, safety & security and medical applications. Xenics offers a complete portfolio of line-scan and area-scan products for the vSWIR, SWIR and LWIR ranges. Mastering all critical steps of the manufacturing process with advanced production facilities and in-house know-how on detectors, systems and software development, Xenics delivers state-of-the-art solutions and optimized custom designs. As a European vendor with a worldwide sales and service network, Xenics supports its customers with simplified export procedures.

For more information: [exosens.com](https://www.exosens.com)