



MetaSensing Italia awarded the manufacturing of the StarSAR-X, a space Synthetic Aperture Radar (SAR) payload, with the "HUB Research and Innovation" call from Lombardia Region.

MetaSensing Italia is the manufacturer of the phased array X-band Synthetic Aperture Radar (SAR) space payload for the "NOCTUA Landscape Monitoring. For everyone. From space" project, a consortium of companies and research centers for the development of a land monitoring service available to all citizens.

October 17, 2019, Milan, Italy: MetaSensing Italia, has been awarded the "**HUB Research and Innovation**" call issued by Lombardia Region, for the manufacturing of the phased array X band SAR payload of the "**NOCTUA Landscape Monitoring. For everyone. From space**" project. The €10M project, nominated in the "Connectivity and Information" category, will develop a land monitoring service available to all citizens based on satellite Differential Interferometric SAR technology, enabled by the MetaSensing StarSAR-X phased array radar payload (<https://www.space.metasensing.com/>).

Fabrizio Sala, Vice-President of Lombardia Region, announced the 33 winners in a video message posted on Monday, October 7th (<https://bit.ly/30NOL2U>). The call, with a total budget of €114 million, will fund strategic industrial research and experimental development projects to enhance the competitive and attractive capacity of the territory.

MetaSensing Italia is part of a consortium of six members that includes D-Orbits S.p.A., Beta 80 S.p.A. Software e Sistemi, Fondazione EUCENTRE, Istituto Universitario di Studi Superiori, TRE Altamira s.r.l., with the advice of Fondazione Politecnico di Milano and the support of Lombardia Aerospace Cluster and Fondazione Cluster Tecnologie per le Smart Cities & Communities – Lombardia.



The project will develop an end-to-end service for territorial monitoring that will collect data from a specifically designed innovative SAR satellite, analyze, reprocess, and distribute it to the whole community, from institutions to private citizens. It will enable the effective monitoring of infrastructures and natural resources enabling their appropriate maintenance and preservation, the prevention and timely intervention in the event of natural disasters, and the support of economic activities and collaboration between citizens and local communities.

“We are glad to be part of the Noctua project and to provide our Synthetic Aperture Radar space payload, the StarSAR-X, that is one of the main elements of the mission.” said Adriano Meta, CEO and founder of MetaSensing. “In fact, our space graded SAR is a phased array radar reaching 0.3-meter resolution in spotlight mode and 100 km swath coverage in ScanSAR mode”

The Noctua project will have a 30-months duration from the signature date.

MetaSensing

MetaSensing is an Italian-Dutch SME operating in the field of EW and Synthetic Aperture Radar (SAR) remote sensing for airborne, space, and ground applications. MetaSensing offers EW and high-resolution SAR sensors and services for surveillance, mapping and defense. MetaSensing main goal is to provide to the partners innovative remote sensing and EW solutions based on advanced but cost-effective radar and sensors.

MetaSensing products are being used worldwide for ground and airborne high-resolution imaging and patrolling, coastal and maritime surveillance, drone detection and jamming. Our portfolio offers a wide range of SAR sensors through all the main radar bands including Ka, Ku, X, C, L, P, UHF and VHF band.

The company currently has offices in Italy, Netherlands, Singapore and South Korea with a commercial and technical network of partners worldwide.

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