# WINDTRE BUSINESS selected by NAIS for 5G solutions in urban contexts

Rome, 10 April 2024 - WINDTRE BUSINESS and the MALIBU project's industrial group are collaborating on the implementation of a series of operational services aimed at improving the efficiency of road defect surveillance and monitoring systems in urban contexts. The initiative is part of the MALIBU project, co-funded by the European Space Agency, within the scope of the ARTES 4.0 Business Applications – Space Solutions programme.

The idea underlying the MALIBU project stems from the need, shared by municipalities and companies responsible for road monitoring and maintenance, to promptly detect surface defects, such as potholes and cracks, in order to guarantee adequate safety standards and driving comfort for road users.

Launched in February of 2023, the initiative innovativeness is based on the joint use of technologies for the automatic detection of road surface defects in urban areas, such as Machine Learning and the Global Road Navigation System, and for the monitoring of air quality along the urban stretches covered by Rome's ATAC public transport system, through the installation of dedicated sensors.

WINDTRE BUSINESS will enable the dedicated road monitoring service, called MALIBU RCM (Road Condition Monitoring), thanks to the robustness and widespread availability of its 5G mobile network. The solution leverages Machine Learning and data transmission tools that make use of secure, low-latency, and appropriately monitored ultra-broadband connections. With this agreement, WINDTRE BUSINESS has reaffirmed its role as a major player for companies and public administrations in the development of secure infrastructures and innovative solutions, all perfectly integrated within WINDTRE's 5G network.

"We're approaching the stage where we'll demonstrate how these technologies can provide an effective support to municipalities, helping to ensure the prudent management of the funds available to public administrations, while increasing the efficiency of the road work carried out by those who strive to ensure the safety of the roads' users," explained Antonio Monteleone, CTO of NAIS. "It's another step towards the use of technological tools aimed at simplifying and facilitating people's work activities."

"Smart mobility represents an enormous opportunity for cities, as it is capable of improving safety, optimising vehicle circulation, and enhancing sustainable mobility," said Crescenzo Coppola, Head of Direct Sales South for WINDTRE. "WINDTRE BUSINESS has enabled this digital and smart transformation thanks to its Top Quality Network, and the skills that it makes available to companies and Public Administrations throughout the country."

Within the context of the MALIBU consortium, NAIS S.r.l. is the creator and leader of the initiative, with M.A.C., YetItMoves S.r.l., Urby et Orbit, and Eurelettronica Icas as partners. AVR S.p.A., an industry leader, represents the private companies responsible for the road surveillance and monitoring activities.

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