

LOCALIZATION AND MMWAVE EXTENSION FOR INDUSTRIAL 5G COMMUNICATION



LUMEIK-5G enables positioning services and low-latency communication for industrial automation and automotive applications

OBJECTIVES

- 5G deployment and configuration using mmWave frequency band in a factory floor
- Demonstrate how evolving 5G standards deliver flexibility and scalability to meet the demands of automotive and manufacturing applications
- Development of algorithms for positioning and navigation of autonomous mobile robots in dynamic indoor environments
- Development of enhanced environmental perception and situational awareness using AI for real-time monitoring and proactive feedback

 Federal Ministry
Republic of Austria
Agriculture, Forestry, Regions
and Water Management



 Federal Ministry
Republic of Austria
Finance

Follow us

in LUMEIK-5G



www.lumeik5g.at

contact@lumeik5g.at



PARTNERS

CANCOM



The LUMEIK-5G project received funding under the research and technology development of gigabit applications as part of lighthouse projects Breitband Austria 2030: GigaApp financed by the Austrian Federal Ministry of Finance and by the Austrian Research Promotion Agency (FFG) under the grant agreement n. FO999923407.