

LOCALIZATION AND MMWAVE EXTENSION FOR INDUSTRIAL 5G COMMUNICATION



LUMEIK-5G

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

 **FFG**
Forschung wirkt.

 Federal Ministry
Republic of Austria
Finance



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LET THE DATA DRIVE

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 **kapsch** >>>

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