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omnitele



6G FLAGSHIP RESEARCH

6G RESEARCH IN FINLAND

Omnitele has joined 6G Flagship ecosystem to support the research and development of the next generation mobile technologies.

For our November newsletter, we had the opportunity to learn more about the current research on 6G in Oulu, Finland. We had the pleasure of interviewing Mika Rantakokko from the 6G Flagship programme and Heikki Huhmo from Business Oulu.

6G Flagship: What you should know

The 6G Flagship research program was initiated by the University of Oulu focusing on 6G and its applications.

6G is expected to emerge somewhere around 2030, as new mobile generations appear approximately every ten years.

6G will have new technologies that satisfy new communication demands such as faster speed, higher precision, and ten times the efficiency. 6G will thus provide numerous improvements to current wireless network capabilities, such as tera-bit-per-second (Tbps) wireless data rates, smaller radio latencies of 0.1 milliseconds, and increased energy efficiency and reliability for more sustainable applications.



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OULU AS A PLATFORM FOR 6G RESEARCH

Oulu is one of the first cities in the world to be testing and researching what can become 6G, because it has the right background, with over 50 years in history leading wireless technologies.

Today, the city of Oulu is enabling, supporting and facilitating various trials in the city. Some of the trials are initiated by the city needs, where the City of Oulu invites companies to provide their solutions, and then the City of Oulu opens various environments, such as private 5G networks that allow companies to develop these devices in their environment.



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