CELTIC-NEXT
Σ eureka Cluster

Wirepas

Project:
Future of DECT-2020 NR

DECT-2020 NR: Current state

- Release 1 and Release 2 standards published by ETSI,
- Recognized as part of the ITU-R IMT-2020 5G technology family,
- Satisfying ITU-R M.2410/2412 requirements for mMTC and URLLC,
- Chipsets and products available,
- New chipsets announced,
- DECT Forum Smart Building interest group,
- Technology specific frequency license except band on 1.9 GHz,
- Additional frequences becoming available in Europe and Globally.

DECT-2020 NR: Moving towards 6G era:

- Local networks – self deployments with flexible radio architecture,
- Shared/unlicensed spectrum,
- ML/AI paradigm for radio protocols.

Future of DECT-2020 NR: Driving use cases:

- Industry Automation and Robotics,
- Smart Buildings,
- Smart Electricity and Grid Control,
- Radio improvements including positioning solutions for above use cases

Current consortium:

Wirepas | **NORDIC SEMICONDUCTOR** | **RFmondial** | **Fraunhofer IIS**

Valmet FORWARD | **VTT** | **Schneider Electric** | **lms last mile semiconductor** | **Leibniz Universität Hannover**

UNIVERSITY OF OULU | **Tampere University / Tampere University of Applied Sciences**

Looking for new industry partners:

- Radio research, Device manufactures, System integrators, etc.

Contact Coordinator

Juho Pirskanen, Wirepas
juho.Pirskanen@wirepas.com
+358 50 3636 632
https://wirepas.com/