HOW ECOSYSTEM WORK ACCELERATES research and development between OEMs and SMEs?
WHY OULU
OUlu’s track record in wireless world

1981 - First NMT network
1982 - Europe’s largest technology park
1991 - First GSM phone call: first remote payment system for public transport
1992 - World’s first GSM base station
1993 - New menu-driven user interface for mobile phone
1996 - First WCDMA telephone call
2001 - First security products for mobile phones
2002 - First security OTA services for mobile phones
2003 - First free urban area WLAN network
2004 - First commercial EDGE high-speed network
2005 - First public NFC user
2007 - Launch of Mobile WiMAX test network
2008 - First pedestrian navigation phone
2009 - First cloud-based mobile security services
2010 - Linux phone launch; world first cognitive radio network phone call
2011 - WiFi - high capacity nextgen cognitive radio solution
2012 - World’s first in printed intelligence
2013 - The first ubiquitous indoor positioning solution
2014 - Full implementation of Li-Fi, the first two-front smart phone with inbuilt electronic paper display
2015 - Planning and implementation of two 5G test networks
2016 - Transforming health care with 5G
2018 - 6G flagship 251 M€ funding for 2018-2026
2019 - Established automotive cluster
2020 - 6G flagship University of Oulu
OULU AUTOMOTIVE CLUSTER since 2018

Companies

33

Research, education & development organisations

330

Members

automotive.oulu.com
OU卢 AUTOMOTIVE CLUSTER

SOLUTIONS FOR:

1. ELECTRIC CARS
2. AUTONOMOUS CARS
3. NEW BUSINESS MODELS

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1. 6G research
2. Printed electronics
3. Embedded software
4. Testbeds
WHAT IS AN ECOSYSTEM?
SHARING KNOWLEDGE
SHARING KNOWLEDGE

1. Let people explain what they do (next).
2. Let industry experts share their insights.
3. Lead people to each other and to the knowledge.

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FACILITATING R&D
ONGOING OULU BASED PROJECTS IN THE AUTOMOTIVE INDUSTRY

- Invisible A-pillar
- Smart windows
- Light weight cabling system
- Molded structural electronics IMSE
- LED light solutions
- Android Automotive Development
- Gathering car-related data
- One software platform for multiple car models
- Open source platform KUKSA appstore
- Augmented audio
- Vibration technology to help body recover faster
- A ring to open the car door
- Stretchable IoT-measurement solutions
- Printocent – printed intelligence
PREACHING AND PITCHING
PROMOTING CO-CREATION
1. ORIGO Steering Wheel
2. Co-created by 5 SMEs
3. Co-creation funded by Business Finland
4. German Design Award: Winner: Excellent Product Design HMI
“Oulu Automotive Cluster is a fantastic ecosystem to find cooperation partners for new customer projects and joint offers. Being part of this innovative, diverse group of companies and researchers gives us competitive advantage in serving our automotive customers.”

TIMO POSIO
Business Development manager
Siili Auto