5G mmWave NETWORKS FOR UNIVERSITIES & RESEARCH FACILITIES

testbeds • end-to-end deployments • custom use cases

microamp
SOLUTIONS

POWERING ACADEMIA WITH REAL, STAND-ALONE 5G NETWORKS

TRUE 5G mmWave STANDARD FOR UNIVERSITIES AND LABORATORIES

Microamp 5G mmWave is the next-generation private, wireless networks, enabling the implementation of the most innovative and bandwidth-hungry use cases for research and academic purposes.

It is a perfect solution for universities and high-tech laboratories that allows for the empowerment of students, professors and researchers to push the boundaries of technological development.

Easy to setup, develop and manage - as networks of the future should be.

WHY MICROAMP 5G FOR LABORATORIES?

01
STAND-ALONE NETWORKS

Compared to other solutions, no sub-6GHz licence is needed. Only mmWave licence that we will help you obtain.

02
SUPERIOR PERFORMANCE

Over 2Gbps, near zero latency and uplink-heavy system that will power even the most bandwith-hungry use cases.

03
FLEXIBLE & EASY SETUP

An out-of-the box solution making use of the plug-and-play approach that can be installed in your lab within hours and adjusted to your specific needs.

04
VERSATILE END-TO-END SOLUTION

Integrable networks with a wide array of end devices (CPEs and UEs) that can be easily added to your current setup.

UNLOCKING THE TECHNOLOGICAL POSSIBILITIES OF THE FUTURE

5G mmWave networks enable the deployment of a wide range of innovative and disruptive technologies. Discover the possibilities:

INTERNET OF THINGS

VR/AR

DRONES

SMART CITY SOLUTIONS

IMMERSIVE LEARNING

DIGITAL TWINS

INDUSTRIAL AUTOMATION

REMOTE CONTROLLING

BENEFITS FOR UNIVERSITIES

01 ENHANCE ACADEMIC REPUTATION

By seamlessly incorporating state-of-the-art technologies into your curriculum, you can elevate the standing of your institution or department.

02 OPPORTUNITIES FOR COLLABORATION

Establish partnerships with influential industry leaders to promote research funding, collaborative initiatives, and substantial real-world contributions.

03 EMPOWER GRADUATES

Provide your students with skills highly sought after by employers, ensuring a smooth transition into their professional careers.

04 TESTBED FOR 5G & 6G USE CASES

Arm your department in networks allowing you to test the most innovative use cases and get your students ready for the rise of 6G technology.

BENEFITS FOR STUDENTS

01 HANDS-ON LEARNING EXPERIENCES

Enable students to gain practical expertise by actively engaging with emerging 5G/6G technologies, bridging the gap between theory & practice.

02 INTERDISCIPLINARY EXPLORATION

Create an environment that fosters interdisciplinary projects, sparking creativity and innovation among students.
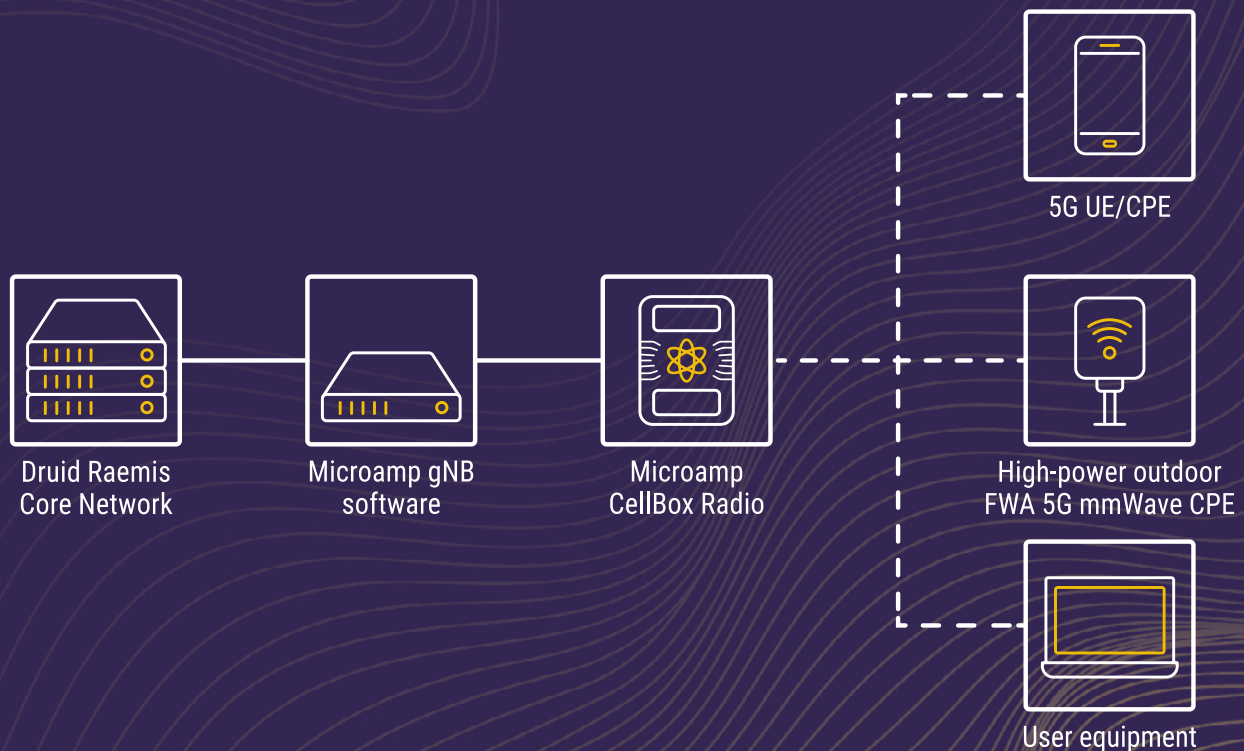
03 COMPETITIVE EDGE IN THE JOB MARKET

Cultivate proficiency in cutting-edge technologies, increasing students' employability and making them highly sought-after by the industry.

04 STATE-OF-THE-ART CLASSES & LABS

Ensure your facility provides the most technologically advanced educational offers for students and stay ahead of competitors.

ARCHITECTURE OVERVIEW

Druid Raemis Core Network — Microamp gNB software — Microamp CellBox Radio — 5G UE/CPE — High-power outdoor FWA 5G mmWave CPE — User equipment

BRING 5G mmWave NETWORK TO YOUR LABORATORY

GET IN TOUCH...

...with Microamp team. We'll support you directly or connect you with our local implementation partner.

TELL US ABOUT...

...your vision of your lab network and what real-life use cases you would like to test.

GET FUNDING SUPPORT

If needed, we will help you prepare the public funding request proposal to secure resources for the project.

TEST OUR 5G NETWORK, HASSLE-FREE

Microamp 5G mmWave network comes in a form of out-of-the-box demo set that can be installed in a matter of hours.

WHAT IS INSIDE?

2 x 5G mmWave RADIOS

Two CellBox 5G mmWave Radios. For the outdoor and indoor use.

POWERED BY
microamp SOLUTIONS

3 x CPE

Three units of UEs/CPEs for integrating your end devices with the network, use cases-matched.

POWERED BY
Qualcomm

5G CORE NETWORK

Super-scalable core with user-friendly interface, easy to install and manage.

POWERED BY
Druid

RAN SOFTWARE

A fully custmized solution adjusted and optimized for the 5G mmWave frequency usage.

POWERED BY
microamp SOLUTIONS

ORDER DEMO SET

microamp
SOLUTIONS

ABOUT MICROAMP SOLUTIONS

Microamp Solutions is a leading tech innovator designing and delivering powerful 5G mmWave networks based on purpose-built radios.

Born in academia and perfected in top tech laboratories worldwide, Microamp is paving the way for a connectivity revolution across industries, combining technological excellence with top business expertise.

Microamp merges deep-tech know-how and a broad portfolio of technology partners, empowering industries, system integrators, MNOs, DSPs, governments, and research institutions with steadfast, wireless networks that allow the implementation and testing of the most technologically advanced use cases.

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