



## Creating the Future of Connectivity



### **Future-proof your business with UNIBERG**

Ultra-low latency, improved reliability and greater bandwidth make 5G an optimal choice for businesses that rely on real-time processing of large volumes of data and increased network capacity. With our proven expertise in network infrastructure technologies and over two decades of experience in the telecom sector, UNIBERG is well positioned to help businesses leverage the full potential of 5G.

Our 5G services and products are designed to deliver benefits such as measurably reduced cost and carbon emissions, while significantly elevated efficiency levels. Furthermore, we offer integration capabilities assisting clients through various stages of implementing private 5G networks within their specific business context.



## Your trusted integration partner for 5G Non-Public Networks

### Customized Planning, Integration, and Optimization

Planning and integrating 5G networks into an existing infrastructure is inherently complex. It requires perfect harmony between 5G networks, devices, and applications. As experts in 5G technology, our team specializes in planning and integration, operations and optimization, 5G software development, and solution customization to address the growing demand for custom network solutions.

5G Non-Public Networks offer the much-desired blend of privacy, security, flexibility in vendor selection, operational models, and greater data observability. These networks empower enterprises in tackling the complexities of digital transformation, enabling them to navigate the challenges while seamlessly adapting and evolving their functionalities.



Along with a deep understanding of 5G architecture, we also offer AI/ML expertise, which are at the heart of automation. This helps us develop customized 5G networks that are aligned to our customers' unique needs and help them reap the benefits of 5G non-public networks.



## UNIBERG as an enabler in the 5G ecosystem

- Mediate between the enterprises and the equipment / component suppliers
- Ability to cover various phases of the network life-cycle
- DevOps, CD/CI/CT DNA and expertise, plus AI/ML knowhow
- Deep understanding of the regional ecosystem and regulatory policies



## Areas of Innovation

- AI / Data Analytics
- Infrastructure as Code
- Campus 5G Monitoring
- Cloud/Edge Optimization
- r-App / x-App Development



## UNIBERG's Open 5G Lab

**A research space for interoperability testing and development of 5G use cases and solutions**

To support the development of various 5G use cases, products and solutions, we have a state-of-the-art Open 5G Lab. This 5G lab is dedicated to customizable prototyping for nomadic and industrial applications. Our O-RAN-compliant Open 5G Lab provides the ideal environment for our team to test industry-specific use cases, develop future-proof 5G solutions and test multi-vendor equipment.

Over the past 20 years, we have gathered extensive experience working with leading Telecom clients, delivering some of the most complex projects. We understand how the data flows through the networks, how it is



processed and stored. We are now using that know-how to help clients step into the era of 5G and beyond.



## Open 5G Lab Core expertise



Open, Disaggregated and Modular Architecture



RIC with Realtime and non-Realtime applications



Full Non-Public Network Spectrum & Multi-Site enabled (Outdoor / Indoor)



Edge integration AI, Digital Twin, Low Latency, Robotics Apps



Open Core and RAN for interoperability tests



Playground for DevOps & Training Center



Robotics, Sensors, Actors, Handsets and UE simulation



Management Systems and Automation Frameworks for Provisioning



Test Automation, Infrastructure as Code, Service as Code, Automated Testing



## Why UNIBERG?

**Network infrastructure pioneers:** Over two decades of experience optimizing large and complex networks for Europe's largest telecom operators

**Superior project management capabilities:** Track record of successfully delivering diverse projects in the telecommunications and public sectors

**Trusted Expertise:** Recipient of the prestigious BSFZ Seal and funding for innovation and R&D (Awarded by German Federal Ministry of Education and Research)

**Future Readiness:** DevOps DNA with deep understanding of 5G, vertical technologies and relevant use cases

UNIBERG is part of the prestigious EConoM project, funded by the German Federal Ministry for Digital and Transport. The project is focused on deploying 5G, AI, and edge computing technologies to enable automation on construction sites.



Bundesministerium  
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Memberships



UNIBERG GmbH

✉ sales@uniberg.com ☎ +49 (0) 4552 97 99 99 99

🌐 www.uniberg.com

