



# Wind River: First in Communications Service Provider Solutions

Wind River® provides a unique intelligent edge infrastructure for the telecommunications market. Wind River Studio delivers the industry's only cloud-native infrastructure solution designed from its inception to be distributed, highly available, and secure, while supporting the scaling required for cost-effectiveness at the edge of a network. Many firsts exemplify its leadership:

## FIRST IN CUSTOMER ADOPTION

As service providers roll out their 5G edge solutions, Wind River Studio is an essential partner to Tier 1 operators worldwide. Customer engagements remain confidential, with the notable exceptions of:

### / VERIZON

Verizon uses the cloud-native infrastructure and analytics capabilities of Studio for its 5G vRAN deployment. These technologies played a key role in the world's first end-to-end fully virtualized [5G data session](#).

### / VODAFONE

Vodafone has selected Studio for its efforts to build [Europe's first commercial Open RAN network](#), which will be one of the largest in the world. Studio will provide the distributed cloud-native platform for hosting the Open RAN applications on Vodafone's next-generation network.

### / T-SYSTEMS

T-Systems selected Wind River to provide the infrastructure for its EdgAIR platform. EdgAIR is designed as a highly secure private cloud supporting such applications as automated guided vehicles, AR/VR, and smart buildings.

## FIRST END-TO-END TECHNOLOGY STACK DESIGNED FOR HIGH-SCALE DEPLOYMENT

The foundation of this stack is fully open source, based on the StarlingX project. StarlingX is also the standard cloud platform for O-RAN and TIP.

The stack provides real-time performance an order of magnitude superior to that of competing solutions. Its inbuilt distributed control plane enables separation of assets from edge to core to achieve five-nines high availability and self-healing attributes.

## FIRST WITH ENGINEERING EXPERTISE THAT SPANS FIELD TRIALS AND COMMERCIAL DEPLOYMENT

With 40 years of experience, Wind River possesses unique engineering expertise gained from field deployment and hardening live 5G networks. Our field teams are skilled in vRAN design and deployment in live environments; the company has supported carriers with design, deployment, and support for the majority of live 4G and 5G networks. This includes significant integrations and field hardening with both hardware and software partners including HPE, ZT Systems, Samsung, Corning, and others.

## FIRST FOR REDUCED OPEX AND CAPEX

Our solution's unique ability to run a full cloud stack in a single node (or pair for high availability) at the edge of a network enables up to 75% CapEx savings across tens of thousands of nodes at the edge of a 5G vRAN. This has additional OpEx benefits for power, thermal, and other operational expenses, resulting in an industry-leading low cost for 5G vRAN infrastructure.

## THIS SET OF OPERATIONAL CAPABILITIES CANNOT BE FOUND IN ANY OTHER COMMERCIALY AVAILABLE SOLUTION.

Contact us to learn more: [windriver.com/contact](https://windriver.com/contact)

WNDRVR

Wind River is a global leader of software for the intelligent edge. Its technology has been powering the safest, most secure devices since 1981 and is in billions of products. Wind River is accelerating the digital transformation of mission-critical intelligent systems that demand the highest levels of security, safety, and reliability.

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