

# 5G BRINGS NEW OPPORTUNITIES IN EMBEDDED MARKETS

WITH IMPROVED LATENCY, CAPACITY, AND SPEED

**EXAMPLES OF EMERGING SERVICES AT THE EDGE OF THE 5G NETWORK**



## 5G BASE STATIONS

Boosting data throughput



## AUTONOMOUS VEHICLES

Navigating streets



## UNTETHERED ROBOTS

Working in warehouses



## SURGEONS

Operating on patients remotely



## DRONES

Planting and harvesting crops

## WIND RIVER IN TELECOMMUNICATIONS

### INDUSTRY LEADER

- 40% market share in embedded software
- Supplier to the top 20 telecom equipment manufacturers (TEMs) worldwide
- Open source leader and active contributor

### DEPLOYED IN ...

- More than 2 billion devices
- The most demanding environments: aerospace, defense, industrial, automotive, & telecom
- The majority of 5G radio access networks

## 5G INDUSTRY CHALLENGES AND WIND RIVER SOLUTIONS

### MANAGE COMPLEX, DISTRIBUTED NETWORKS WITH LARGE NUMBERS OF BASE STATIONS



#### WIND RIVER CLOUD PLATFORM

Open source, production-grade distributed Kubernetes that simplifies edge networks

### DELIVER HIGH LEVELS OF PERFORMANCE: LATENCY, CAPACITY, AND DETERMINISM



#### VXWORKS

The most widely used embedded real-time operating system (RTOS), with more than 2 billion deployments



#### WIND RIVER LINUX

Industry-leading, open source operating system for systems, networks, and devices

### MAINTAIN SECURITY THROUGHOUT THE LIFECYCLE



#### WIND RIVER SECURITY TEAM

Security vulnerabilities constantly monitored and addressed

