Verizon Robotics

Custom solutions that deliver faster time to insight and reduced cost through automation.

What we do

Verizon Robotics helps major enterprises solve urgent business challenges by achieving true robotic control, efficiency, autonomy and scale. That's because we combine the power of the Verizon Network, including 5G and MEC, with deep expertise and guidance in both drones and autonomous mobile robots.

What we provide

Software
- Plan, fly and analyze your data using our drone software platform.
- Localization, navigation and fleet management of autonomous mobile robots.

Drones & robots
- Complete your fleet with Verizon Robotics. We sell professional grade drones and partner with major robotic companies to help you scale your operations.
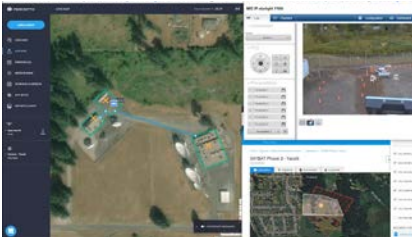
Industrial automation
- Partner with our robotics experts to implement complex use cases and scale faster.

Cellular connectivity
- Leverage drones and robots connected to Verizon's cellular network, along with Mobile Edge Compute (MEC).

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Building the future

Big Hollow Wildfire
- Goal: Deploy a drone safely and legally from a remote location.
- Solution: Received an emergency waiver from the FAA to operate a Percepto drone over Verizon's 4G LTE network beyond visual line of sight (BVLOS).
- Result: Monitor critical infrastructure without onsite personnel.

360⁰ Video Over AWS Wavelength
- Goal: Connect a drone over Verizon 5G Ultra Wideband.
- Solution: Equip a drone with a 360⁰ camera that transmitted live video over Verizon's 5G Ultra Wideband network to a virtual reality headset.
- Result: Prove effective transmission of large amounts of data with low latency or lag.

Collaborative Robotic Solution
- Goal: Offload processing power from a robot to mobile edge computing.
- Solution: Deploy [and test] MEC-enabled robot with a 5G modem and software at commercial partner's Smart Factory.
- Result: Support near-real-time mobile data capture and automating tedious tasks using mmWave private 5G network.

Future of Storytelling with L.A. Times
- Goal: Expand the way news is gathered, shared, and consumed with networked-connected robotics
- Solution: Use 4G-connected drones and 5G-connected ground robots, along with 3D modeled data to bring a new view to the audience.
- Result: Provide near-real-time video feed from drones and ground robots in difficult-to-access areas.

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