Will autonomous car racing help your industry?

It just might.

Cisco is helping connect high-speed autonomous race cars for the Indy Autonomous Challenge

10 countries

42 universities

10+ teams

Students develop software to safely compete at high speeds on the Texas Motor Speedway

Cisco is a presenting sponsor providing the connectivity to, from, and within the vehicles

The goal: innovation to improve safety and performance of real-world autonomous operations

The autonomous car market is experiencing

19.6% CAGR

Indianapolis is the proving ground for innovation

100 innovations to date

New records set for autonomous cars

2 Fastest speed
Number of laps

The need for autonomous operations is growing across industries

50% Half of industrial transformation leaders have an autonomous plant initiative formalized*

41% Say the pandemic accelerated their autonomous efforts*

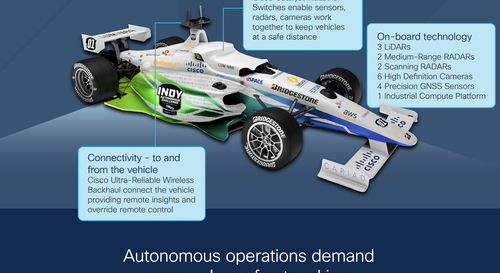
95% Expected growth for autonomous mobile robots: 2020 to 2027*

*https://www.grandviewresearch.com/industry-analysis/autonomous-mobile-robots-market

Benefits of autonomous operations

- Safer working environments
- Reduced human errors
- Increased efficiencies and productivity
- Improved product quality

Safety and efficiency drive the need to connect autonomous vehicles – on and off the road



Autonomous operations demand a new class of networking

More Network Bandwidth
Video, AGVs, 3D sensors drive increased need

Zero Loss Hand-offs
Real-time control of unmanned vehicals. Support for high speed applications

Cyber Security
Explosive growth in connected devices increases expansion of threat surface

Industrial Grade at scale
Deploy in outdoor and industrial indoor spaces at scale

Edge Compute
Process and react to data faster – closer to the source. Maintain compliance and save costs.

Similar network requirements across autonomous use cases

Robots
Increase capacity and eliminate repetitive tasks

Storage and retrieval systems
Ensure efficient transport of material from one place to another

Driverless trains
Improve passenger safety and smooth traffic flow

Ship-to-shore transfer and rubber tire gantry cranes
Speed operations at ports and terminals

Autonomous guided vehicles
Keep miners safe and out of the mine

Innovations from the Indy Challenge may improve autonomous operations

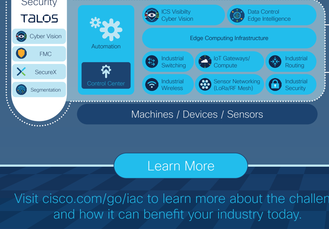
Enhancements in AI and machine learning

New capabilities in sensor fusion

Improved ability to operate anywhere - *Antarctica, under water, even Mars!*

Improved speed and accuracy of location

Only Cisco offers a complete industrial networking portfolio to meet these needs



Learn More

Visit cisco.com/go/iac to learn more about the challenge, and how it can benefit your industry today.

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