CISCO
The bridge to possible

Cisco Connected Roadways

Contents

Connect, secure, and optimize roadways and intersections

Roadway operators' needs are changing as traffic operations and passenger travel evolve, safety concerns continue to be top of mind, and cybersecurity threats to infrastructure, vehicles, and devices are on the rise.

Cisco Connected Roadways helps securely scale roadway digital infrastructure to drive more efficient, resilient, and sustainable network operations.

This enhanced digital infrastructure provides for new revenue opportunities, enables dynamic event detection, improves road user safety, and sets the foundation for connected and automated vehicles.

Benefits

- Supporting growth with future technology integrations

- Providing scalable, secure, and resilient roadway infrastructure

- Improving roadway safety including signal phase and timing, traffic signal prioritization, vulnerable road user detection, weather detection, and right-of-way intrusion

- Automating incident response and system changes based on real-time conditions

- Providing for less idling time resulting in lower carbon emissions

Why Cisco Connected Roadways and Intersections?

Cisco developed the Connected Roadways and Intersections solution to specifically address the networking and security needs of roadway operators and to ensure a deployment and a solution that's simple, fast, reliable, secure, and cost effective.

By applying our secure and hardened industrial networking, and IoT expertise, and working with industry leaders to address challenges existing in the industry, we have created innovative technology solutions that optimize and secure our critical roadways and intersections.

Cisco Connected Roadways and Intersections solutions enable you to:

- Reduce processing time, mitigate security impacts, and cut time to resolve issues via an intent-based network acting as a single platform
- Advance Vehicle-to-Infrastructure (V2I) security standards
- Secure and connect the network edge to traffic management centers and cloud environments
- Manage volume, variety, and security of data from new and legacy sensors
- Integrate connected and automated vehicle applications
- Support sustainable business practices

Learn more

For more information on Cisco Connected Roadways and Intersections solutions, including products, certifications, and financing, visit https://www.cisco.com/c/en/us/solutions/internet-of-things/roadways-intersections.html, or visit Cisco's portfolio for transportation to explore the use cases and architectures that are making a difference in roadways and intersections.

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