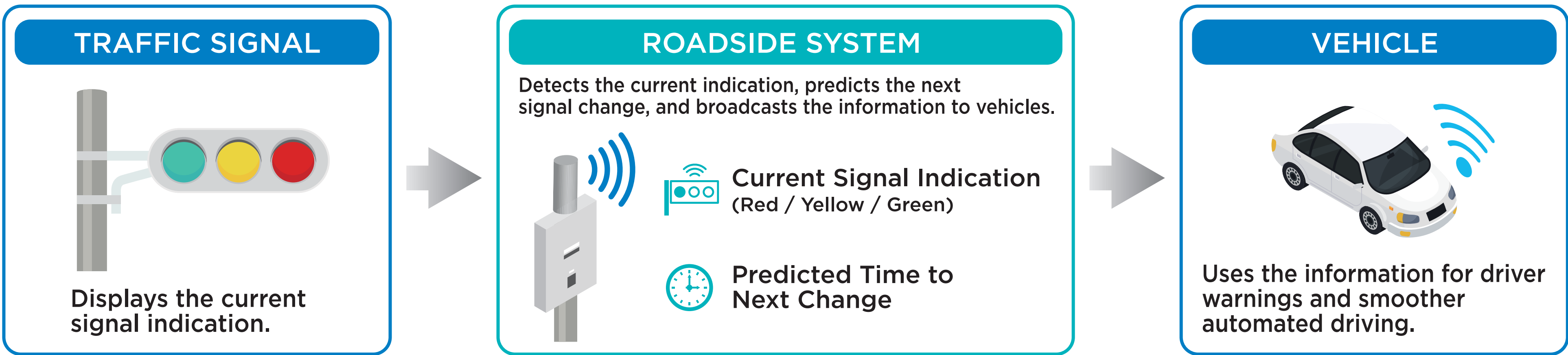


Cooperative ITS Makes Intersections Safer

Providing real-time signal information helps prevent collisions and enables smoother, smarter driving.



The roadside system broadcasts current and predicted signal information to vehicles in real time.

Reducing the Risk of Red-Light Violations

PROBLEM: The driver fails to notice the red signal.

RISK: A potential collision with cross traffic in the intersection.

WITH SIGNAL INFORMATION

Early In-Vehicle Warning

Result: An early alert helps the driver stop before the intersection.

Smoother Automated Bus Approach

PROBLEM: The bus cannot anticipate signal changes.

RISK: The bus may brake suddenly before the intersection, causing passenger discomfort.

WITH CURRENT AND PREDICTED SIGNAL INFORMATION

Predictive Speed Adjustment

Result: The bus adjusts speed early, reducing sudden braking and improving comfort.

Benefits of Providing Signal Information

Helps improve intersection safety

Supports safer driving

Supports smoother automated driving

Reduces sudden braking and operational risks

Deployed Across Japan

About **100 intersections** across Japan, including Tokyo, Saitama, Aichi, Osaka, Hiroshima, and Fukuoka.

Leading the Future of Cooperative ITS

Supporting infrastructure trials and standardization through Japan's SIP*.

Working with police agencies, automakers, and other stakeholders to improve road safety.

*Cross-ministerial Strategic Innovation Promotion Program, Cabinet Office, Japan.