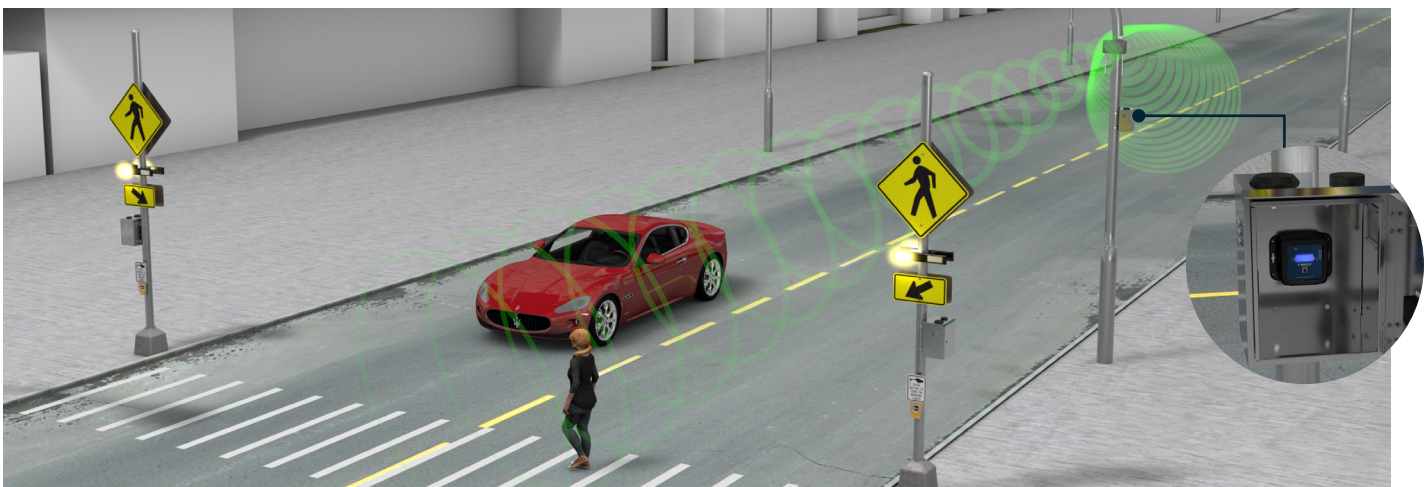# CONNECTED VEHICLE INTERFACE
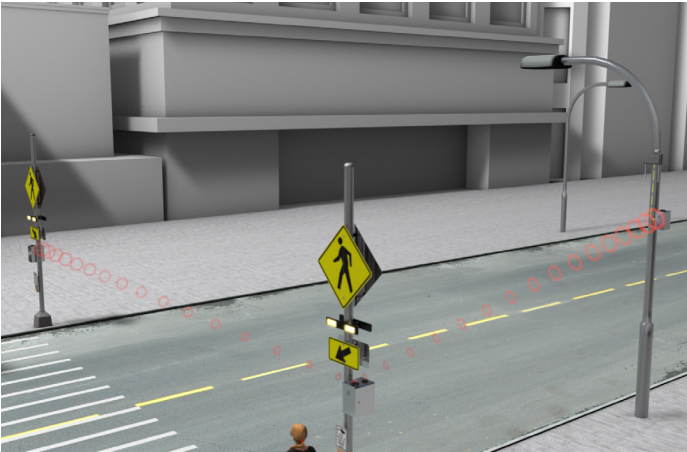## Pedestrian Crosswalk Enhancement

FEATURES AND BENEFITS

Add another layer of safety to your pedestrian solution with the Connected Vehicle Interface (CVI) - an Ethernet interface for TAPCO Pedestrian Crosswalk Systems to connect with and communicate information to connected vehicle infrastructure, such as typical Road Side Units (RSU).
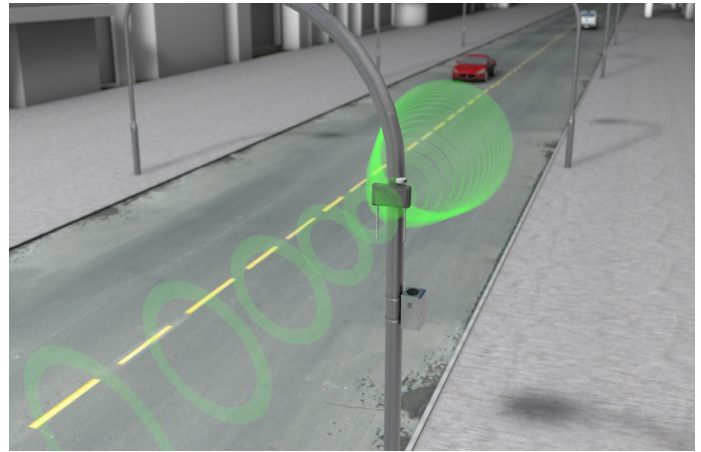
- Upon system activation, connected vehicle On-Board Units (OBUs) receive alter messages and communicate warnings on in-vehicle displays.

- Compatible with Dedicated Short-Range Communication (DSRC), or Cellular RSUs.

- Connects with Advanced Traffic Management Systems to provide traffic managers with actionable system data.

- Onboard web interface and Application Programming Interface (API) to access and configure device.

TAPCO radio, LCD screen and joystick are accessible to configure radio and bind it to system network

Polycarbonate enclosure with convenient access to connectors, controls and displays

Four indicator LEDs display device status and communication

An 8-position pluggable terminal block connector for power and I/O connections

RJ-45 connector for Ethernet communication

Side mounting tab to easily attach to control panel

TAPCO CONNECTED VEHICLE INTERFACE: STEP-BY-STEP FUNCTIONALITY

1 Installed within cabinets on nearby poles, Connected Vehicle Interface units communicate with new and existing AC and solar-powered TAPCO Pedestrian Crosswalk System.

2 Upon system activation, communication is relayed from the Connected Vehicle Interface unit to the RSU, which transmits data to connected vehicles within range.

3 In-vehicle alerts provide drivers with instant notifications through connected vehicle dashboards, rearview mirrors and mobile devices.

4 The Connected Vehicle Interface transfers system data through integration with local Advanced Traffic Management Systems to provide traffic officials with actionable reporting.

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