**V2X IS POSSIBLE TODAY**

The FLIR V2X enabled traffic management solution can reduce the number of required Road-Side Units (RSU), making the investment pencil out.

In the smart city of today, FLIR V2X provides real-time traffic information, allowing vehicles to “talk” with infrastructure, as well as other vehicles making the road safer. V2X plays an important part in paving the way to connected and automated driving. Sharing information between vehicles and infrastructure requires continuous communication for up to date information about vehicle states and their environment.

**V2X IN PRACTICE**

Traffic management systems have always made use of cameras to monitor traffic and detect traffic users in real time. But with automatic incident detection, traffic signal control or traffic data collection, FLIR V2X Solutions have significantly contributed to the safety and efficiency of our roads.

1. **TRAFFIC SIGNAL CONTROL**
   - Highly automated traffic control requires extensive detection systems. Road operators generally deploy cameras to detect traffic participants in real-time to be able to change traffic signals “on demand”, increasing vulnerable road user safety.

2. **TRAFFIC SIGNAL PRIORITY AND PREEMPTION**
   - Connected traffic signal control is a priority for public transport and emergency vehicles, enabling the rapid movement of those vehicles on urban arterial roads.

3. **AUTOMATIC INCIDENT DETECTION**
   - Traffic incidents, such as stopped vehicles, wrong way drivers, speed drops, or animals can be detected.

**VEHICLE TO VEHICLE APPLICATIONS:**
- Intersection Movement Assist
- Left Turn Assist
- Emergency Electronic Brake Light
- Forward Collision Warning
- Blind Spot Warning
- Lane Change Warning
- Do Not Pass Warning
- Curve Speed Warning
- Reduced Speed Zone
- Spot Weather Information
- Stop Sign Warning
- Railroad Crossing Violation
- Oversize Vehicle Warning
- Electronic Toll Collection
- Pedestrian in Signalized Crosswalk Warning (PSWC)
- Traffic signal preemption for emergency vehicles.

**VEHICLE TO INFRASTRUCTURE APPLICATIONS:**
- Automatic Incident Detection
- Traffic incidents, such as stopped vehicles, wrong way drivers, speed drops, or animals can be detected.