



more sensors, more solutions



Traffic and Parking  
Sensing Solutions

# Traffic Solutions



**Scenario:** Toll booth applications are becoming more automated to eliminate human error and decrease wait time

**Challenge:** To obtain reliable information as a vehicle enters the toll station and define correct toll charge

**Solution:** Multiple sensing technologies are placed at each location to ensure accuracy and dependability



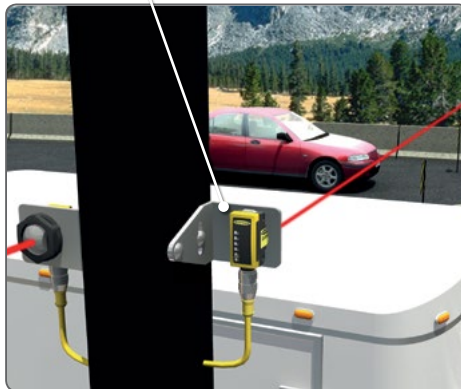
Measuring  
Light Curtains



Measuring light curtains sense the profile of vehicles and small parts, such as tow bars, and detect vehicle separation.



QS30  
High-Power Sensor



QS30 provides overheight protection to prevent car damage in mist, fog or sunlight.



Signal Lights



Signal lights provide high intensity light and visibility for signalling and traffic management control.

# Parking Solutions



**Scenario:** Gather parking occupancy information to optimize traffic flow and avoid congestion

**Challenge:** To communicate open parking space information to the driver

**Solution:** Wireless communication relays information from sensors to update the number of open parking spots

**R-GAGE™ Radar Sensor**



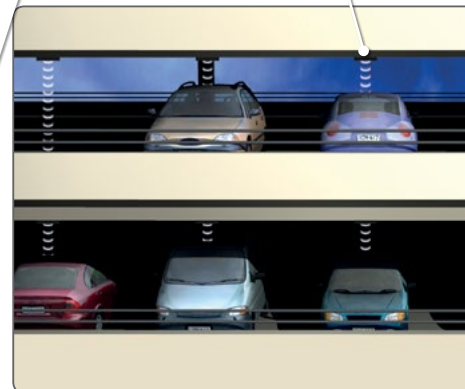
Radar sensors detect both moving and stationary objects, regardless of shape or color, with weather immunity algorithms.

**M-GAGE™ Loop Replacement**



Parking occupancy sensors use magneto-resistive technology to sense large ferromagnetic objects, and are easily buried in the ground or mounted on top of the road surface in a low-profile dome.

**Wireless Parking Sensor**



Outdoor parking sensors detect vehicles and work with wireless battery-powered ultrasonic Nodes and Node lights to direct drivers to open spots.

## Sensors



## Vision



## Lighting & Illumination



## Wireless



## Machine Safety



# Who is Banner?

Every 3.5 seconds, a Banner sensor is installed somewhere in the world. Banner solves problems for most of the manufacturing companies in the Fortune 500, who rely on Banner for reliable automation solutions.

Banner products help manufacture the cars you drive, the TVs you watch, the food you eat, the medicine you take and virtually every product you consume. Whatever the industry, Banner has a solution to help you automate your plants, improve efficiency and manufacture quality products.

### Manufacturing Specialists

Banner is a leading source for manufacturing needs with an extensive product line. With over 30,000 products, including our award-winning sensors, wireless solutions, vision sensors and lighting, machine safety, indicator lights and LED lighting, we have a solution for you.

### Application Solution Experts

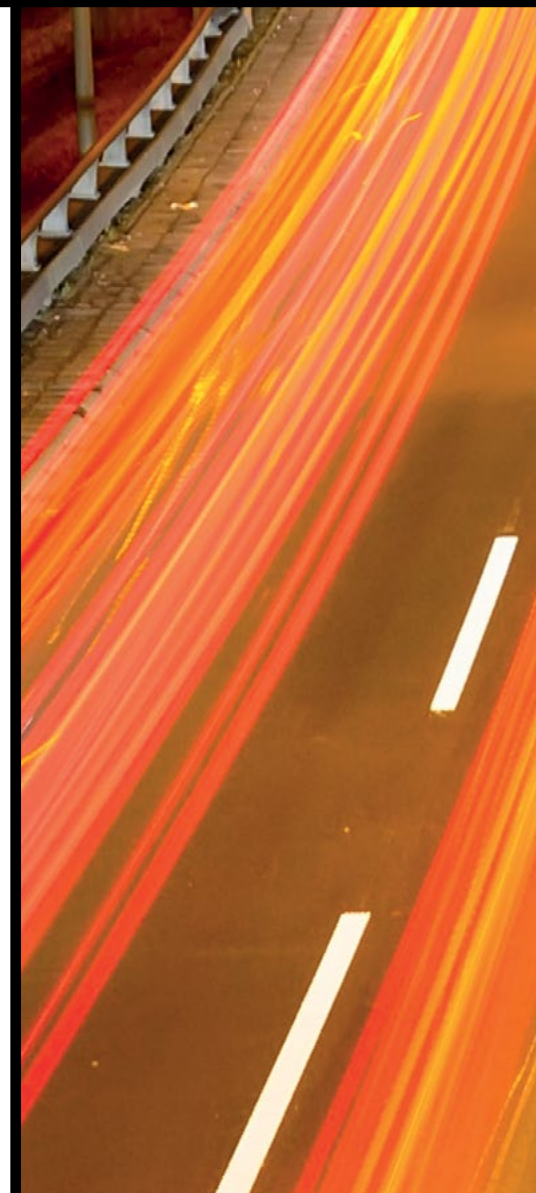
Our field sales engineers are the most highly-trained and experienced professionals in the industry. They can rapidly analyze an application to help you find the best solution.

### Global Presence

We are a global company with a focus on our commitment to customers around the world. Banner has worldwide support with a network of 3,000 professionals who are ready to help you in your plant no matter where you are located.

### Banner Specials

Banner's growing family of Lighting and Indicator products include thousands of standard products. However, if you have an application requiring a unique solution, contact one of Banner's Application Engineers and learn about our rapid customization and ability to deliver special product variations.



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