

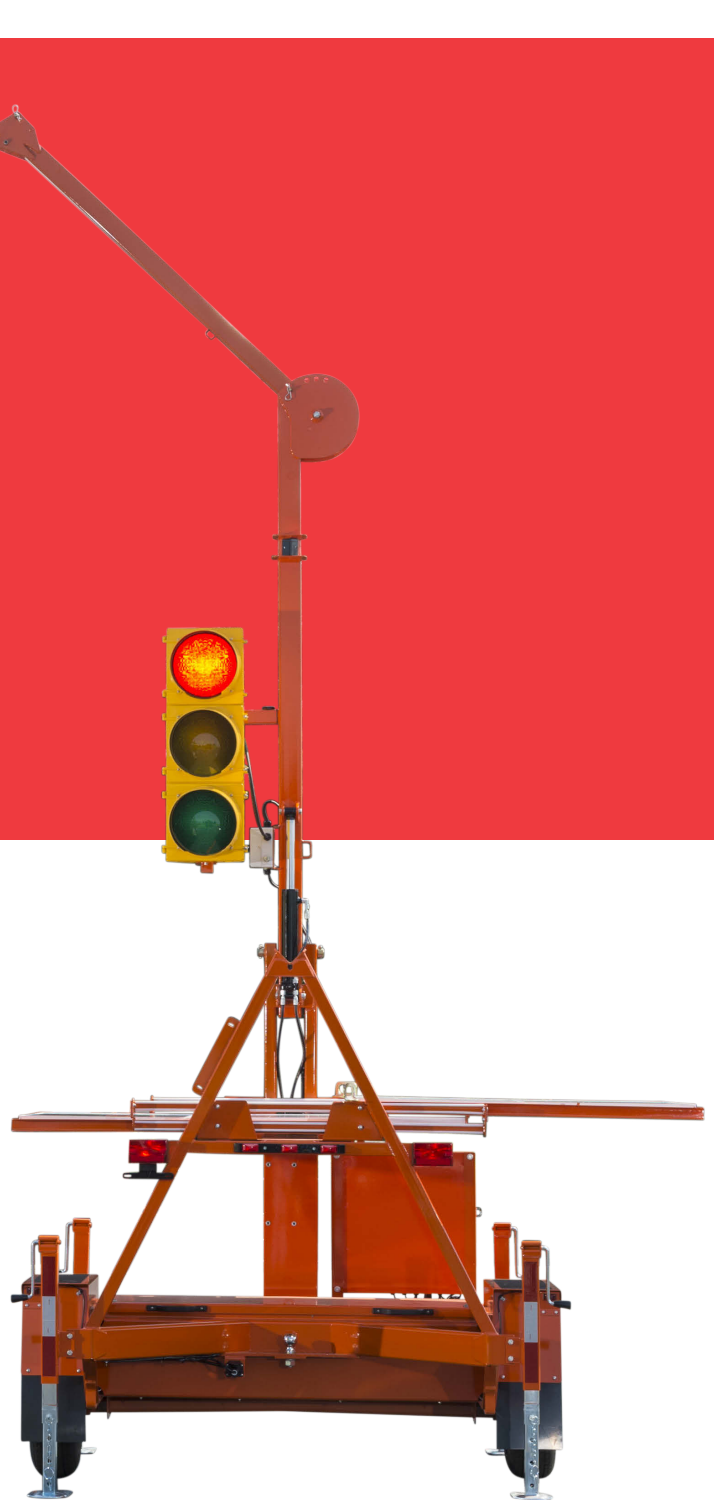


# WHY CHOOSE HORIZON?

Horizon Signal Technologies is the world's leading manufacturer of portable traffic signal systems. Our signals are engineered to the highest quality standards to deliver the versatility and reliability you need to meet any project requirements.

## SQ3TS PORTABLE TRAFFIC SIGNAL

The SQ3TS portable traffic signal system is the ultimate combination of power and mobility. Featuring a robust operating system, easy deployment, simple programming, and a multitude of add-on components, the SQ3TS is the global standard in portable traffic signal systems.



QUALITY



VERSATILITY



SERVICE

(800) 852.8796 | [www.horizonsignal.com](http://www.horizonsignal.com)

# Why choose Horizon? ○○○

## The Highest Quality

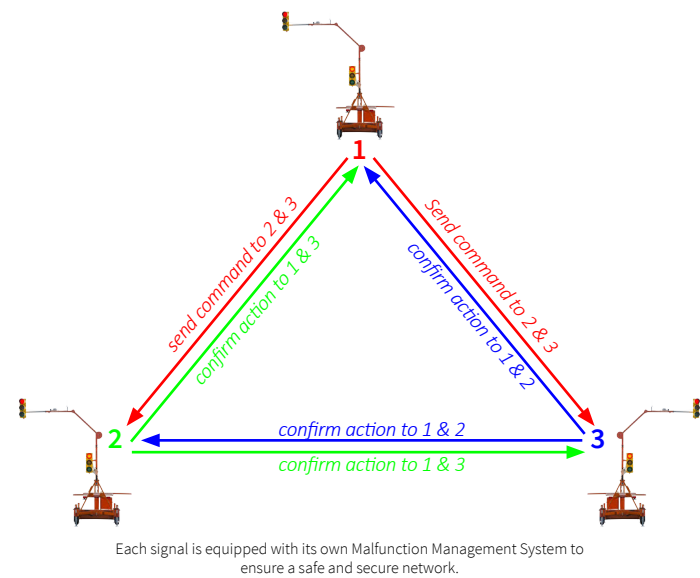
Horizon Signal Technologies manufactures the highest-quality portable traffic signal systems in the world. The SQ3TS is the pinnacle of that quality. This towable system is engineered for the most demanding jobsites, and utilizes only the highest-quality structural components. Ideal for a wide variety of traffic control applications, the system helps to increase work zone safety and maximize overall traffic flow. Featuring automatic operation, integrated solar collection, and an assortment of add-on components, the SQ3TS is ready for anything your project requires.

## Proven Reliability

Horizon Signal has a proud reputation of nearly 30 years of unmatched quality, service, and support. Our trained and certified distributor network, as well as our numerous regional sales and support centers, allow us to meet the needs of our valued customers wherever they are.

## Advanced Operating System

Each SQ3TS trailer is equipped with an internal conflict monitor, or **Malfunction Management System (MMS)**. This feature is exclusive to Horizon Portable Traffic Signals and provides redundancy within each signal network. By monitoring for malfunctions at each trailer within the network, we eliminate the possibility of an MMS failure leaving the signal system without the ability to detect malfunctions. The MMS, combined with an intuitive programming interface, makes Horizon’s control system the most advanced operating system in the industry.



## Hydraulic Lift System

The SQ3TS system features a heavy-duty hydraulic lift system that allows the mast arm to be raised and lowered at the push of a button. Our rock-solid overhead mast arm sits at a vertical height of 19 feet over the roadway. The manually unfolding mast arm makes it easy to maneuver around obstacles such as trees, poles, and fences during deployment, and the heavy-duty locking pins ensure no drift or sag of the overhead boom, even months after deployment.

## Power To Last

Sixteen batteries and 440 watts of solar collection give the SQ3TS all the power you need to get through your project. Ultra low-draw components allow for the highest possible battery power efficiency. And just in case you do need some extra charge, the system features a convenient 110-volt power adapter to connect a generator or other power source.

## Sophisticated Actuation

Several vehicle detection options are available to ensure that your signals operate as efficiently as possible. Our most popular detector is the **Doppler Sensor**, which detects approaching motion and adjusts green intervals in real-time. This sensor also allows you to fully actuate your signals, and keep them resting in red when no vehicles are present.

Other forms of detection include Video Detection, and Emergency Vehicle Preemption.

# ○○○ Why choose Horizon?

## Real-Time Notifications

Horizon’s state-of-the-art **Advanced Remote Monitoring (ARM)** system gives you access to your signals from anywhere. Whether you are in the office or on the road, the ARM system allows you to quickly and easily view important signal data:

- Signal location
- Battery voltage / battery history
- System faults
- Operating Hours
- Error Logs
- Theft control

The ARM System includes a password-protected web site viewable from any internet-connected computer or smartphone. In the event of a system fault, the ARM system provides detailed and specific information concerning the cause of the system default (i.e. "red lamp on signal 1"). Up to four individuals can be designated to receive these real-time alerts directly to their email inbox or cell phone text messaging service.

The running program operating the SQ3TS Portable Traffic Signal system is always available and viewable through the dedicated ARM system website at all times. The website maintains a complete history of the operating system in each signal including operating hours, event logs, and the location of the signal system.



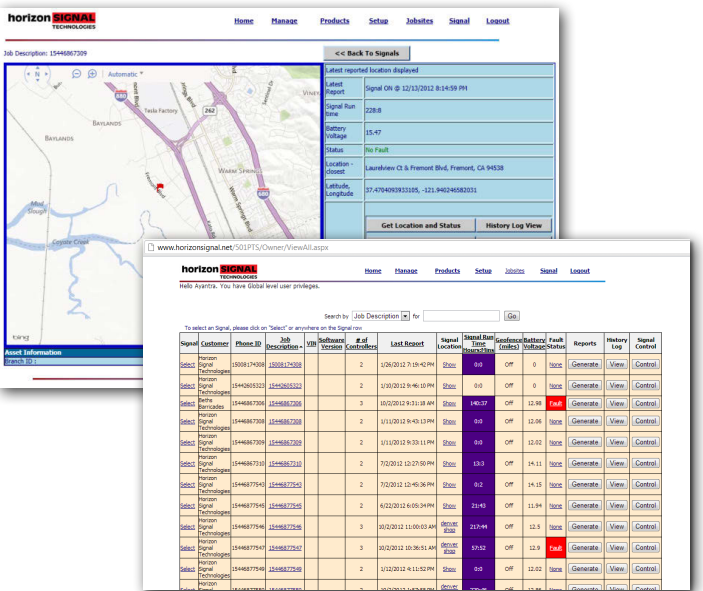
## Solutions to Fit Any Need

Horizon Signals are engineered to be component-based systems. Our signals are available with a variety of useful add-on component options which can be added to the system as the need arises. Some of our most popular add-ons include:

- Pedestrian Signal Indications
- Message Board interface System\*
- Pilot Car / Flagger Module
- Wireless Interface System
- Remote Monitoring System
- Pre-Emption System for Emergency Vehicles
- Remote controls
- Traffic Actuation Devices
- Work Zone Luminaire
- Red Clearance Time Extension System\*\*

\*The SQ3TS system can be easily configured to communicate with most major brands of portable message signs. The **Message Board Interface System** adapts a message board into the Horizon Signal wireless radio network to allow for real-time message changes based on the current signal status. For example, “Red Signal Ahead” can display for Red indications, and “Caution: Signal Ahead” for Green indications.

\*\*The **Clearance Time Extension System** increases traffic flow efficiency by creating a special detection zone for vehicles exiting the work zone. If vehicles are detected within the work zone near the end of the red clearance interval, the system will extend the cycle to allow those drivers safe passage out of the work area before the next opposing green indication.

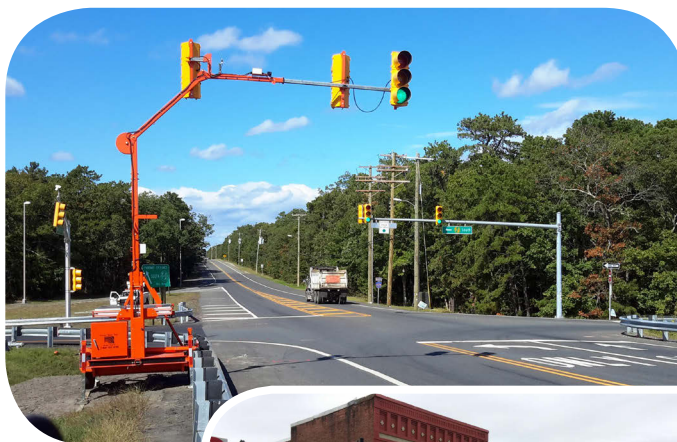


# Why choose Horizon? ○○○

## Wireless Knockdown System

The Wireless Knockdown System has been engineered to operate with any standard NEMA compliant traffic controller. Separate transceiver modules are connected to the existing street corner cabinet, as well as the Horizon SQ3TS. The Horizon signal transmits its status and information back to the cabinet in real-time, allowing it to be fully monitored via the cabinet's Malfunction Management Unit.

The Wireless Knockdown System can be easily installed on any SQ3TS portable traffic signal for quick, easy deployments when time matters most. In the event of a signal knockdown or broken span-wire, the SQ3TS with Wireless Knockdown System can get your intersection back up and running.



## Unmatched Service and Support

**Product Training:** On-site training is included with each delivery of a Horizon Portable Traffic Signal System. Horizon also offers web-based training and education as well as hands-on training classes.

**Technical Support:** Horizon signal maintains a 24-hour technical support group that allows our customers to communicate with a factory-trained Horizon employee to address any technical question or issue. Day or night, we are here when you need us!

**Product Support:** Horizon Signal offers equipment and component options for rent or lease with turnkey options and on-site support. Whether your project is scheduled for a month or a year, we have a package that is right for you.

**Sales Support:** Horizon maintains service centers and sales offices throughout North America. We are never far away when you need us!

**Product Availability:** Horizon maintains a strategically located Network of Distributors and Factory Direct Facilities throughout Canada and the United States. This provides an advantage to companies who own Horizon Signal Systems as additional signal systems and components are readily available and within close proximity.

General specifications are subject to change without notice to reflect improvements and upgrades. Additional information is available. Contact Horizon Signal Technologies for details.



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