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## See what's new in the traffic & highway industry

Carrier & Gable, Inc. has been a distributor of power integrated traffic control solutions since 1945. Our experience and deep rooted history in the traffic & highway industry sets us apart.

Visit our Website

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### Iteris - Vantage Vector Hybrid

Vector with Next is the all-in-one hybrid detection sensor that provides both stop-bar and advanced zone detection that will help enable advanced safety and adaptive control applications. With more detector points and data outputs built into the platform, the Vantage Vector Hybrid is a great tool for vision zero initiatives, SPM, adaptive and ITS applications.



Compatible with both the Edge2 and Next platforms, Vantage Vector includes all the proven benefits of Iteris video detection, including:

- High accuracy
- Superior reliability
- Video image for remote viewing
- No trenching or pavement cutting for installation
- Bicycle differentiation via SmartCycle

Vantage Vector also provides total Dilemma Zone coverage by integrating the video field-of-view with high precision radar sensing technology.

For more information, visit the link below or email Mike Schasser at [mikeschasser@ carriergable.com](mailto:mikeschasser@ carriergable.com)

[Vantage Vector Hybrid](#)



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### Halo SL Light from Illumagear

The Halo SL is a cord-free 360° Personal Safety and Task Light. It attaches to any standard hard hat and produces a ring of light around the wearer enabling him/her to see and be seen in all directions at all times.

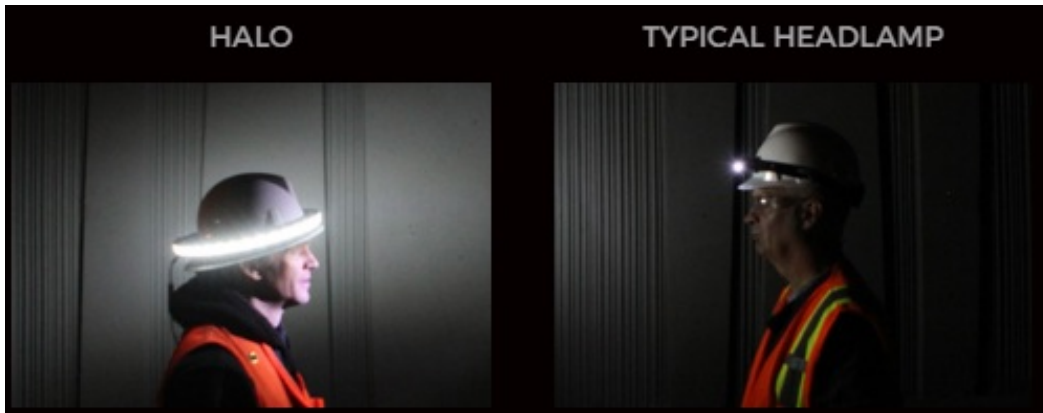
The Halo SL light weighs only 10 oz. and comes with a single rechargeable lithium ion battery (charger included). It has 8 light modes and a battery life of 4-121 hours depending on the mode(s) being used.

Color Options Include:

- All White Lights
- White with Amber Brake Light
- White with Red Brake Light

The retail price is \$130 per unit and includes a 1-year limited warranty.

For more information, email John Carrier at [john@carriergable.com](mailto:john@carriergable.com)



## New Trinity MASH TMAs

### MASH Truck/Trailer Mounted Attenuators (TMAs)

We are excited to announce that Trinity Highway has received FHWA letters of eligibility for reimbursement for our new MASH SS180<sup>®</sup> M and SMT<sup>™</sup>. The SS180 M and SMT continue the strong legacy of the Trinity Highway Products SafeStop<sup>®</sup> family of durable and reliable TMAs.

#### SS180<sup>®</sup>

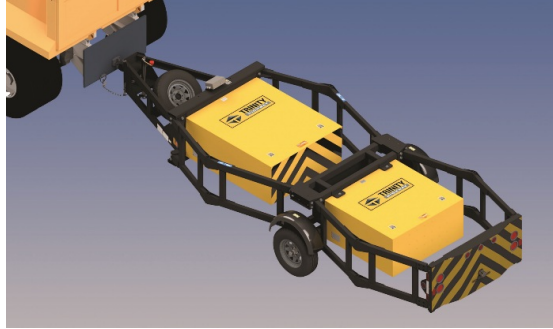
The SS180<sup>®</sup> M is a truck mounted attenuator for use on stationary or moving shadow or support vehicles. It is tested to MASH Test Level 3. The unit is comprised of two lightweight aluminum cartridges contained in a potentially reusable steel support frame, and a 180° tilt feature which folds at the center to stack the two cartridge sections on top of each other.\* The SS180<sup>®</sup> M is designed to help absorb rear-end impacts at speeds up to 62 mph (100 km/h) when impacted within MASH crash test standards.



#### SMT

The SMT<sup>™</sup> is a trailer mounted attenuator for use on stationary or moving shadow support vehicles. It is tested to the Manual for Assessing Safety Hardware (MASH) Test Level 3. The system is comprised of two lightweight aluminum cartridges contained in a steel support frame and heavy duty Torflex<sup>®</sup> axle and wheels. The SMT<sup>™</sup> is designed to help absorb rear-end impacts at speeds up to

62 mph (100 km/h) when impacted within MASH crash test standards.



For more information, email John Carrier at [john@carriergable.com](mailto:john@carriergable.com)

## Opticom Centralized Preemption

Opticom has been the leading preemption solution globally for nearly 50 years with its line of site IR and radio based GPS solutions. Now Opticom is offered as a cloud based system utilizing customer's existing CAD/AVL and Opticom software.

Where customers have quality comm to their intersections, a variety of configurations can accomplish Opticom Centralized preemption reducing hardware costs and maintenance.

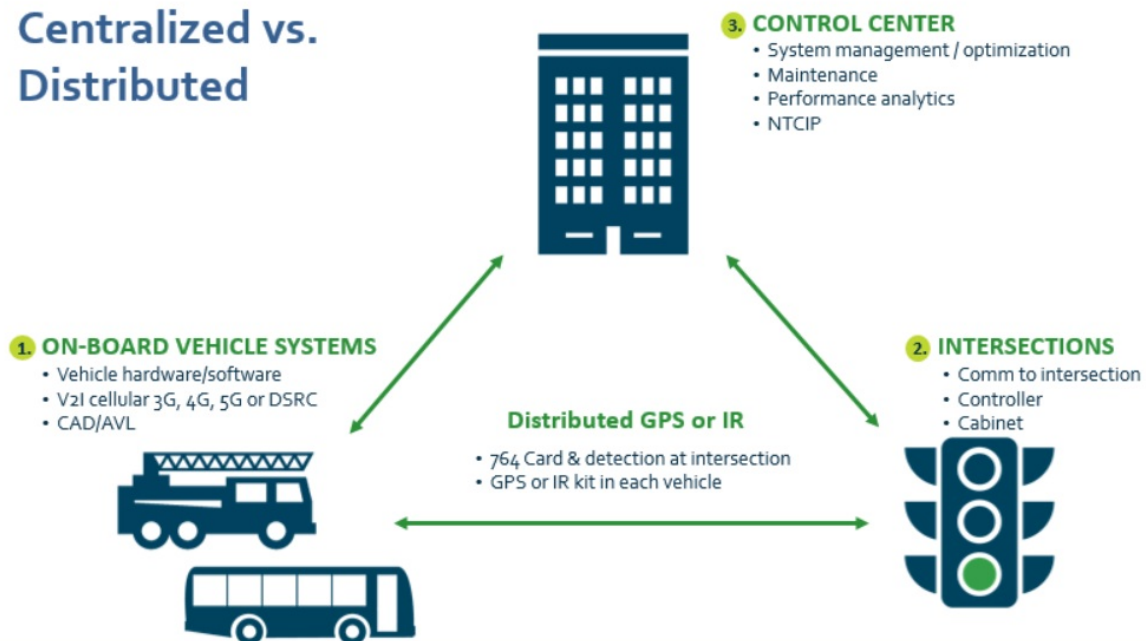
Opticom continues to be Michigan's #1 Preemption solution:

- It is a single infrastructure solution in cities' intersections for any one or all Fire, EMS, Police, Snow Plow and Transit departments
- First responders improve response time by up to 25% with intersection crash reduction by up to 70%
- Snow Plows improve efficiency an average of 22%
- Transit departments are cutting fuel costs by an average of 19%

Opticom is the proven, scale-able and upgradable technology that moves customers from Ir to GPS and to Centralized when a municipality is ready.

For more information, email Terry Martin at [terrymartin@carriergable.com](mailto:terrymartin@carriergable.com)

## Centralized vs. Distributed



## Emergency Vehicle Preemption (EVP): Then vs. Now

Past concerns regarding Emergency Vehicle Preemption:

- EVP always breaks coordination
- Applies long dwell intervals

- Controller can do first come, first served
- Controllers can only handle one approach at a time

Current EVP utilizing Opticom and current solutions such as Econolite's EOS3:

- EVP is accomplished as an ETA based request, then can release as soon as Opticom's GPS's tracked vehicle passes through intersection
- Controller such as EOS tries to adjust splits without breaking coordination (EOS constantly estimates out 2 cycles, allowing for executable changes when a preempt request is heard. Returning to coordination in 2 cycles or less)
- Vehicles are pre-categorized prioritizing by traffic and the departments as to which are served first
- Opticom software tracks all equipped vehicles within an Opticom equipped intersection's range to determine categorized vehicle's preemption

For more information please contact product manager Terry Martin at [terrymartin@carriergable.com](mailto:terrymartin@carriergable.com)



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## Pelco's "Helping Hand" Tool for Astro Brackets

Pelco's newest tool, the Helping Hand is made for those instances when you need to free up both hands to safely complete an installation. This tool for Astro Brackets makes signal installation a breeze!

For more information, view the link below.

[Pelco's Helping Hand](#)



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## Pelco's Hinged Galaxy

The Pelco Hinged Galaxy makes installation more convenient, reliable and easy.

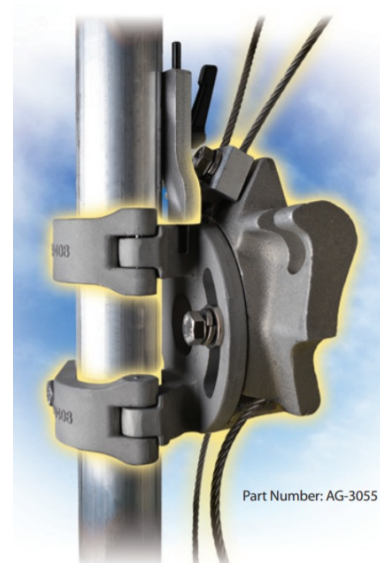
Some features include:

- Only one tool needed for installation
- Hinged tube clamp with captive hardware
- Easiest installation available
- Compatible with Pelco's Helping Hand Tool for easier installation
- All die cast design for precise and secure alignment

Visit the links below for more information.

[Hinged Galaxy Flyer](#)

[Hinged Galaxy Video](#)



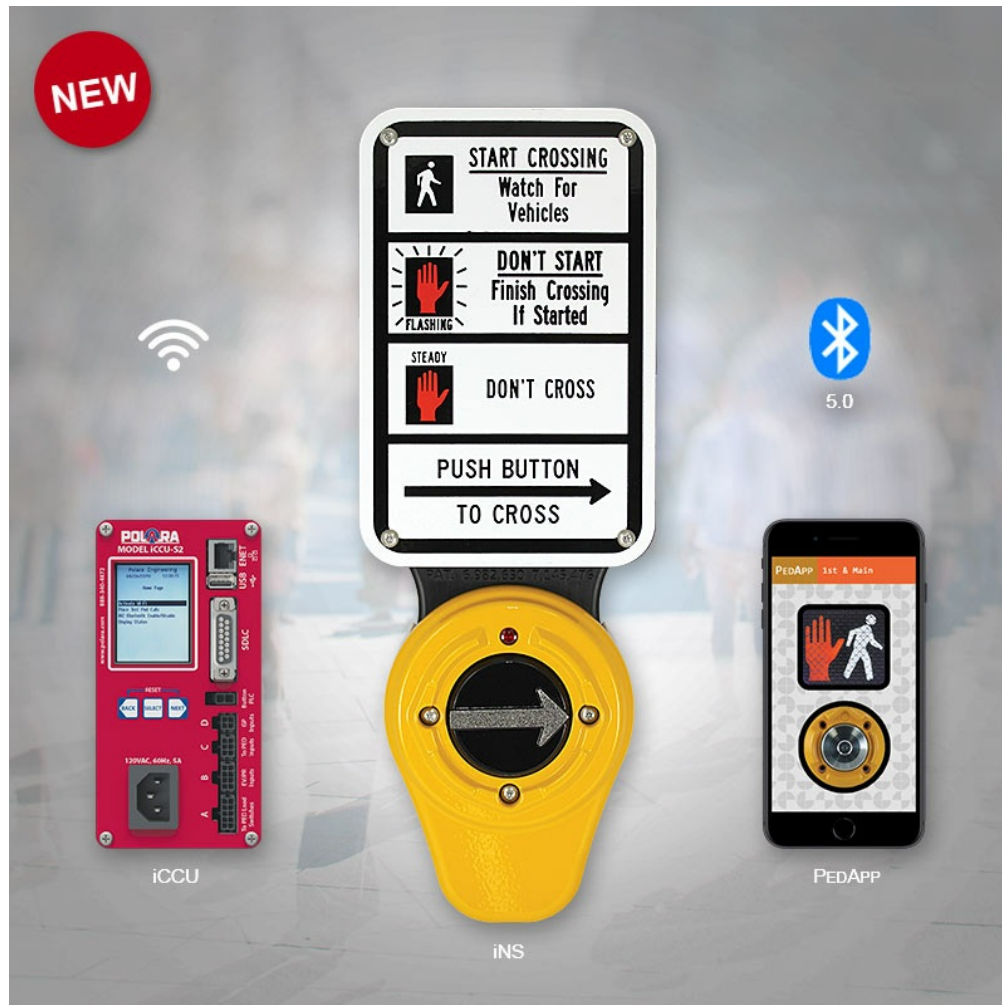
## Polara's Latest Navigation System; iNS

iNS is a significant upgrade to the existing iNavigator series. iNS is the new, current production model and is now available. Polara recommends ordering it in place of iN2 and iN3 iNavigator models. In addition to using the same proven firmware and app, iNS is backwards compatible with existing iN2 and iN3 installations. iNS sets a new standard for Accessible Pedestrian Signals with more features such as:

- Secure wireless connectivity via Bluetooth 5.0 for greater speed, range and app capabilities
- WiFi for convenience in configuring and maintaining crosswalk PBS' from IOS, Android and Windows devices.

Visit the link below for more information.

[Polara iNS](#)



## TrafficCast BlueTOAD Spectra

BlueTOAD® is the most advanced traffic-monitoring system on the market, directly measuring travel times using cost effective, non-intrusive roadside technology.

The BlueTOAD Spectra Detector combine discoverable and non-discoverable Bluetooth to deliver the most samples, the most matches, and the most advanced travel time system.

Visit the link below for more information.

[BlueTOAD Spectra](#)



## Sensys Networks Inc.

### GiveMeGreen! Bicycle X-to-I and I-to-X Traffic Signal System

Sensys Networks Inc. is deploying an innovative new smartphone app for bicycle detection at signalized intersections. GiveMeGreen! is the first of many connected and autonomous traveler apps developed by Sensys Networks Inc., the world's leading provider of integrated wireless traffic data systems for Smart Cities.

Sensys Networks has developed a unique platform that sends infrastructure based information to travelers and relevant traveler information to the infrastructure in secure and valuable ways. The solution leverages communications capabilities available with existing smartphones along with a few basic hardware devices.

This innovative system starts with the GiveMeGreen! smartphone app which allows the bicyclist using the app to be automatically detected up to 300 feet in advance of the intersection. The traffic agency determines how that detection input is treated in their system. For example, if the bicyclists are crossing at the crosswalk, the system can treat the detection like the push of a pedestrian-crossing button. If the bicyclists are in the roadway, they can be treated like other vehicles or given an extension to provide adequate time to cross. Signs can be added to the system to provide safety information to vehicles and bicyclists regarding dangerous potential collision points.

The GiveMeGreen! bicycle application from Sensys Networks will:

- Provide secure two-way communications between the controller and smartphone
- Rely on low-latency wireless communications that require no special hardware on the smartphone, only the app
- Include an edge gateway communications approach
- Provide the precise location of a cyclist using both GPS and a location-specific Bluetooth device
- Create virtual detection zones and 'triplines' specifically for bicyclists that place the calls to the traffic signal controller
- Support two-way communications, so the cyclist will be informed of their detection and the state of the signal

This exciting new application will improve bicyclist travel times and improve safety with respect to potential vehicle-bicyclist conflicts.

For more information, visit the link below.

[GiveMeGreen!](#)



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If you would like to register for classes, please email [samcarrier@carriergable.com](mailto:samcarrier@carriergable.com)

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**Carrier & Gable, Inc. has been representing the finest manufacturers in the Transportation Industry for over 75 years!**

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### **Visiting from out of town?**

Carrier & Gable receives discounted rates at the Four Points by Sheraton Hotel (a subsidiary of Marriott). Conveniently located in Novi near shipping, food, and entertainment. Click [HERE](#) to book your corporate rates.

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