

 **TAPCO**<sup>®</sup>  
Safe travels.



# SIGNALIZED

## INTERSECTION





A pioneering force in the industry, TAPCO has been bringing cutting-edge traffic safety solutions to communities nationwide since 1956. We specialize in manufacturing, servicing and distributing an expansive portfolio of traffic and parking safety solutions, leading the way when it comes to expertise and innovation. Safety is at the heart of all TAPCO innovations — and our mission to save lives prospers in each of our products, from our LED-illuminated LegendViz® technology and Wrong-Way Alert Systems to our groundbreaking pedestrian safety solutions.



#### Unmatched Expertise

Our team has worked alongside traffic professionals for more than 60 years, providing us with an exclusive, knowledgeable perspective on the needs of the traffic safety industry: past, present and future.



#### Innovative Technology

Traffic safety evolves — and so do we. We continue to be at the forefront of the industry by embracing cutting-edge advancements and tailoring our solutions to meet customer needs.



#### A Nationwide Presence

Our reach spans all 50 U.S. states — plus some regions of Canada, giving us valuable insight and an in-depth understanding of a range of community safety concerns and challenges.



#### Award-Winning Culture

Drawing from our roots as a family-owned company, we have cultivated a collaborative culture at TAPCO that fosters innovation and instills a sense of pride. Our commitment to excellence is evident in our recognition as a repeat recipient of the Top Workplaces award.





# SIGNALIZED INTERSECTIONS



How-To Guide

At TAPCO, our traffic safety expertise extends to signalized intersections, where we provide tailored assistance and a quality portfolio to meet the demands of any project. Whether modernizing existing infrastructure or building a new signalized intersection, we can help any community find the right fit for their intersections.

We know that no two intersections are the same, which is why we have a team of in-house experts ready to talk through any technical questions — and help you create a custom fit solution that enhances safety and fits your needs.

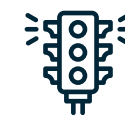
**DID YOU KNOW?**

**TAPCO's signalized intersection expertise dates back to 1956.**

With so many elements that go into building and maintaining signalized intersections, having the right tools is essential to achieving safe, efficient roads. TAPCO offers everything needed to get started — from detection technology to the signals seen at every intersection.



Poles and Brackets



Signal Heads



Push Buttons



Cabinets and Controllers



Pedestrian Signal Heads



Detection



Priority and Preemption



Management and Connectivity





## CABINETS AND CONTROLLERS

Every signalized intersection needs a cabinet and controller to operate efficiently.

Cabinets available through TAPCO are thoughtfully designed to keep safety and integration with the latest technology top of mind. Compatible with various technologies, these cabinets are equipped to integrate with any community's smart city infrastructure. Whether it's low-voltage ATC, NEMA or Caltrans cabinets, TAPCO can help you find the right selection for any need.

For smart upgrades to your intersections, our available controllers provide flexibility for traffic operations. These modern controllers are compatible with a wide variety of cabinets and are easily adaptable to new and existing hardware. With advanced features like remote access, it's possible to immediately take your operations to the next level.

**DID  
YOU  
KNOW?**

**Controllers have a  
lifespan of 20 years, and  
many of the cabinets  
currently in use were  
installed in the 1970s  
and 1980s.**



## DETECTION

When it comes to effectively managing traffic flow and weather impacts, detection technology is an essential piece.

Modern technologies offered here at TAPCO excel at optimizing mobility and reducing congestion, all with the goal of enhanced safety. Our video and radar detection offerings provide enhanced accuracy and reliability when it comes to detecting various classifications of road users, as well as other capabilities like data collection and analytics.

Equipped with AI and edge computing, the sensor processes data in real-time to enable dynamic signal adjustments within the network, as well as faster decision-making at local and cloud levels. By merging detection with comprehensive data insights, these offerings can help agencies adapt to modern traffic demands.

Additional detection technology available through TAPCO includes weather monitoring tools to help officials manage adverse weather impacts. Technology like road weather information systems and AI-powered monitoring cameras capture photos and precipitation information at key locations to provide remote insights, making it possible for officials to plan better in the face of severe weather.





## CONNECTIVITY

To get any signalized intersection up to speed with smart city needs, enabling connectivity is the first step.

Integrating connectivity into any signalized intersection network allows technology like signals, central systems and vehicles to communicate with each other. Depending on a variety of factors including the age of the intersection, there are a few different methods TAPCO offers to implement connectivity:

- Radio communication
- Fiber optic
- Connected vehicle technology

Whether upgrading an existing intersection or building a new one with smart technology in mind, the right connectivity can help any signalized intersection network operate efficiently, as well as support future adaptability.



## MANAGEMENT

Without the right tools and support, managing a signalized intersection network can quickly become a complex task.

Management platforms can provide agencies with the ability to manage their intersections more efficiently, with capabilities like real-time and 24/7 monitoring. Management tools available at TAPCO can integrate with existing technology and infrastructure to consolidate data from all sources in a network. Management technology is available in a variety of formats, including:

- Cloud platforms
- Modern detection
- Smart controllers
- Direct connectivity

By providing seamless access to real-time data and monitoring, it's possible for agencies to quickly address any issues and safety concerns, while also operating more efficiently.





## PREVENTATIVE MAINTENANCE

**Caring for an Intelligent Transportation System extends beyond procurement and installation.** Servicing a system can optimize performance and extend lifespan, making it a vital step in maintaining any community's systems. TAPCO offers service agreements to accompany any Intelligent Warning System installation or supplement existing Intelligent Transportation System deployments.

TAPCO's preventative maintenance plans provide continued care of any traffic system, including scheduled visits and warranty extensions. Once a system is installed, TAPCO customers can "set it and forget it", with experienced service technicians available to provide next-level service for years to come.



Video

## DID YOU KNOW?

**TAPCO also offers preventative maintenance plans for signalized intersections, with services ranging from cabinet cleaning to signal head inspections.**

Preventative maintenance packages are available for any TAPCO Intelligent Warning System. Additionally, TAPCO offers customized packages to supplement resources for non-TAPCO traffic systems and equipment, ensuring peace of mind for any deployed system. Standard services include scheduled visits to perform inspections and/or testing, plus complete system updates, with comprehensive documentation provided after each visit.

Other benefits of a TAPCO service agreement include:

- Discounted BlinkLink® subscription
- Discounted equipment packages
- Maintenance contractor technical support
- Customizable agreements





## PROCUREMENT



Contracts

By offering purchase agreements, TAPCO ensures that communities nationwide can access high-quality traffic safety solutions at an affordable price while creating an easy and fair buying experience.

[Purchase agreements and contracts](#) offered by TAPCO include national cooperative contracts through [Omnia Partners](#) and federal contracts through GSA. These partnerships are designed to streamline the purchasing process, allowing transportation officials to obtain the solutions they want. Not only do purchase agreements save time and money, but they also provide transparency and peace of mind throughout the buying process.

Additionally, TAPCO has partnered with select programs to provide contracts on a state level. By offering solutions that adhere to regional standards, these programs simplify the procurement process for state agencies and give them the ability to enhance safety in their communities.



## CONSULTATIVE HELP



Contact Us

Each community's roadway network is set up differently — and it can sometimes be difficult to identify the most suitable fit for a roadway. TAPCO offers consultative help to communities seeking the best solution for the problem facing their roadways. During the consultation process, TAPCO's experts gather information about specific needs, infrastructure characteristics and more to assess the situation and recommend a right-fit solution.

TAPCO understands that the one-size-fits-all approach isn't always suitable, which is why engineered-to-order options are available to address specific roadway safety needs. Specialty solutions like the High Water Warning System and Icy Road Warning System utilize TAPCO's expertise to develop a customized system, ultimately targeting elevated situational safety. TAPCO's deep understanding of the industry paired with 60+ years of experience ensures our team of experts is equipped with the knowledge to select the optimal technology for any solution, carefully considering factors such as accuracy, reliability and compatibility for the best possible fit.





 (800) 236-0112  [TAPCOnet.com](https://www.TAPCOnet.com)

