



Public Safety Product Catalog

Tools to help those who protect us...

Track Star International, Inc. has been a leader in the field of GPS technologies since 2000. We are proud to present our latest Public Safety Product Catalog, containing our complete array of products and services commonly used by our Public Safety Customers. Our wide range of products provide functions well beyond the scope of Fleet Management. We've never lost sight of our mission to provide you with the most advanced technologies while maintaining our position as the Value Proposition Leader in the field of GPS technology solutions.

The banner features the Track Star logo on the left and right, with the word "Express" above the "Star" in the right logo. The background is a blue sky with white clouds and a road stretching into the distance. In the center, the text "Track Star International, Inc." is displayed in yellow. Below this, the address "8801 J.M. Keynes Drive, Suite 260, Charlotte, NC 28262" is shown in yellow. Further down, the address "9222 Beach Drive SW, Unit 6A, Calabash, NC 28467" is shown in yellow. Below that, the phone number "1-800-661-3515" and the websites "www.trackstar.com" and "www.trackstarxpress.com" are shown in yellow. At the bottom, the text "Sales @ trackstar.com" is shown in yellow. On the left and right sides, there are two identical vertical banners. Each banner features the Track Star logo at the top, followed by the text "Celebrating" in black, then a large "20" in yellow, and finally "Years" in yellow at the bottom. The background of these banners is a blue sky with white clouds and a road stretching into the distance.

Track Star International, Inc

8801 J.M. Keynes Drive, Suite 260, Charlotte, NC 28262

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1-800-661-3515 www.trackstar.com www.trackstarxpress.com

Sales @ [trackstar.com](mailto:sales@trackstar.com)

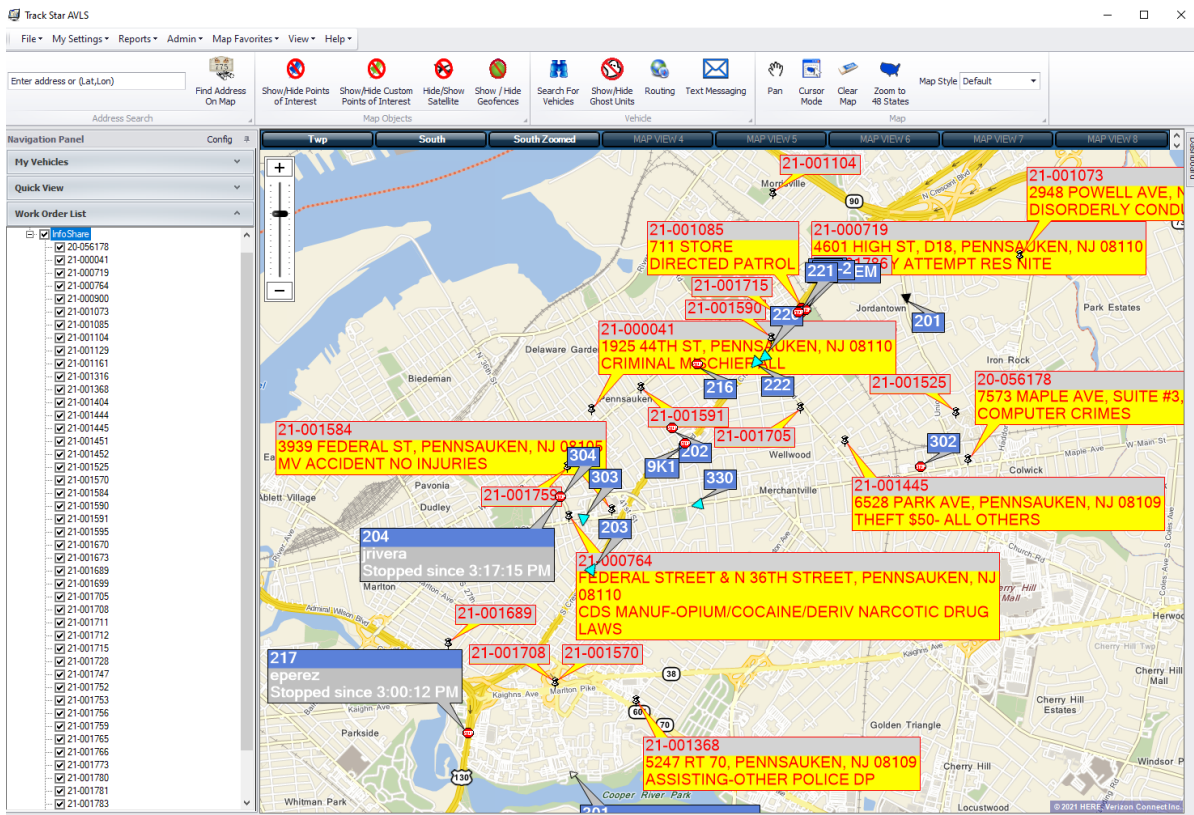
trackStar
Celebrating
20
Years

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20
Years

Public Safety Software Products & Applications

Track Star products have been part of Public Safety operations since the company was founded in 2000. Today, the Track Star AVLS system is used to provide Public Safety agencies with advanced GPS technology that ranges well beyond the traditional uses for fleet management applications. ONLY Track Star can provide you with a system that seamlessly integrates location data on a single display for every aspect of your agency's operations to provide you with single-pane-of-glass situational awareness

- **Covert Suspect Vehicle Tracking**
- **K9 Officer Tracking**
- **Personnel Tracking**
- **Asset / Contraband Tracking**
- **Aviation Operations Tracking**
- **Officer Needs Assistance / SOS Features**
- **CAD / RMS Interfaces**



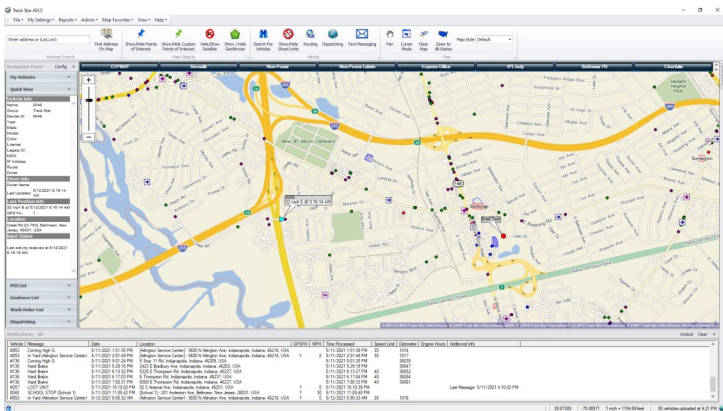
Track Star offers a full range of purpose specific GPS accessory devices to meet your unique requirements.



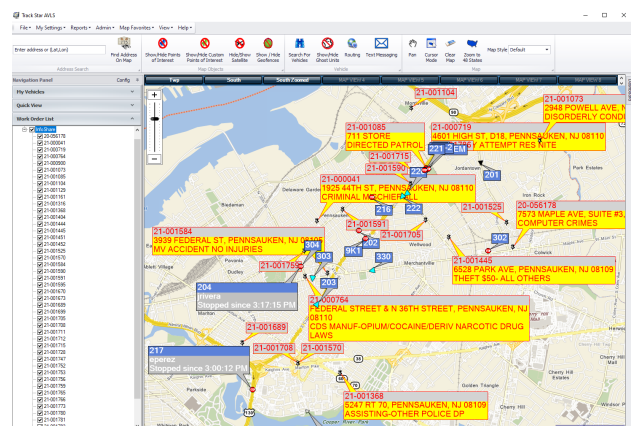
Track Star AVLS

Track Star AVLS has been the standard-bearer for the Company since its inception in 2000. This powerful and full featured software system provides a singularly wide range of features and functions that allow it to be as exceptionally flexible and powerful as it is cost-effective. This product has evolved with the changes in technology and represents a hallmark in functionality among GPS solution platforms.

Track Star AVLS is available in a variety of deployment architectures that meet the requirements of a wide range of applications. As an **on-premise** solution, it delivers the highest degree of security, flexibility and functionality at the lowest possible cost of operation. Now also available as a **cloud-based** SaaS model, customers can avail themselves of ease of implementation and a feature set that is without equal, while still enjoying a **cost-effective** solution.



- “Single Pane of Glass” situational awareness
- On-premise or cloud-hosted (AWS) architectures
- Thick Client (Windows) and Thin Client (web browsers, mobile devices)
- Real-time GPS based tracking for a wide variety of devices to fit any application
 - Vehicles, equipment, aircraft, assets, personnel, suspect vehicles, K9
 - Smart Witness GPS Dashcams & In-vehicle video
 - Devices already present
- High quality map data (updated quarterly) and aerial imagery
- Custom map use (ESRI Shapefile, WMS sources) **on-premise only*
- Full Geo-fencing functions with real-time notifications
- Replay functions with video file export function
- Fully definable device inputs, notifications and alerts (email and text)
 - OFFICER NEEDS ASSISTANCE FUNCTIONS
- Comprehensive report functions with automation scheduling
- On-premise SQL historical database with unlimited retention (cloud-hosted 1 year max)
 - On-premise enables “Chain of Custody”
- Extensive user permissions controls and visibility controls via group policies
- FIPS Compliant
- No-cost API Interfaces for CAD / RMS Integration
- **LOW COST OF OPERATION**





Track Star AVLS Ancillary Applications

TAIP Forwarder

Track Star offers the TAIP Forwarder to provide the AVLS system with the ability to echo received location data out to CAD systems in the widely accepted TAIP protocol. This allows the location data received in AVLS, regardless of form or originating device, to be shared in real-time with Computer Aided Dispatch systems in a form that most CAD systems are able to process. This application also has the ability to forward data from vehicles to different CAD systems depending on presence inside geo-fences.

GPS Data Forwarder

The GPS Data Forwarder application is designed to be installed on Windows laptop computers equipped with internal or external GPS receivers so that they are able to transmit tracking data to the AVLS system. This product runs as a Windows Service so that it starts automatically. It also provides programmable function keys and a two-way messaging function to the AVLS system. Local GPS data received by the Forwarder is able to be displayed on the **Track Star AVLS** Thick Client if it is also installed on the laptop to provide real-time "self-visibility" functions.

AVLS Server Only

Track Star also offers the AVLS Server product as a stand-alone product. This is ideal for users who wish to build their own user interface applications and websites. The AVLS Server receives GPS data from a wide range of devices and decodes that data before placing it in a SQL database. Data elements in the database are the same regardless of type of device or brand of device generating the data. Database data is recorded in native latitude / longitude form to make it easy to use the collected data in self-developed user interface.



Aviation / Remote Worker Tracking



Track Star has met the challenge to deliver a device that allows our customers to track two of most difficult types of moving assets—aviation assets and workers deployed to remote locations. The challenges for both types of assets are quite similar actually in that they both involve the ability to track the asset when cellular service is available and when it is not. We have met this challenge with a single device that meets the needs of both applications by designing a portable device with both cellular and satellite communications technologies.

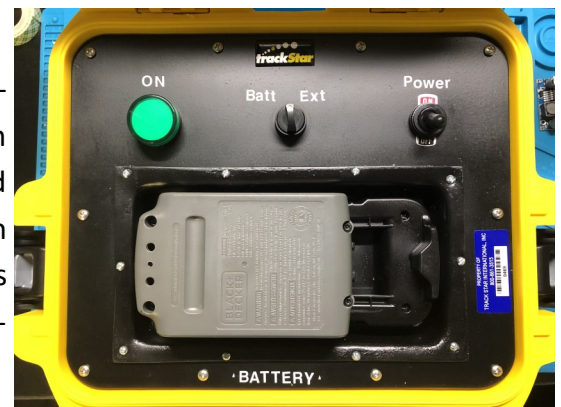
There are other desired attributes of such a solution that are common to both applications beyond continuous communications capability. Both applications require flexibility in power supply, rugged and durable yet portable construction and simplicity of use. Our device meets those requirements as well.

Housed in a durable and weather-resistant portable case, the device offers the ability to be powered by an included 12 VDC cigarette lighter power cable, a USB power interface cable and a removable, rechargeable Lithium Ion battery pack. The device contains both cellular and Iridium satellite communications equipment and a high-accuracy GPS receiver. It transmits location data using cellular technology whenever it is available but switches automatically to Iridium satellite communication when cellular service is not available, whether that non-availability is due to altitude, remote location or any other factor. A rugged, professional-grade antenna that combines the GPS and Iridium satellite functions is provided.

The device also includes a “**panic button**” and **sounding device** which can be used to signal to the **Track Star AVLS** application that help is needed complete with location information. The sounding device is used to make the operator aware that the call for help is being transmitted.

For aviation applications, the device is equipped with its own internal **ADS-B** Out receiver. The data captured from this receiver is available via a USB connector. This feature is provided for observer use in the aviation use-case. It enables the observer to plot the location of other aircraft in the vicinity to maximize operational safety.

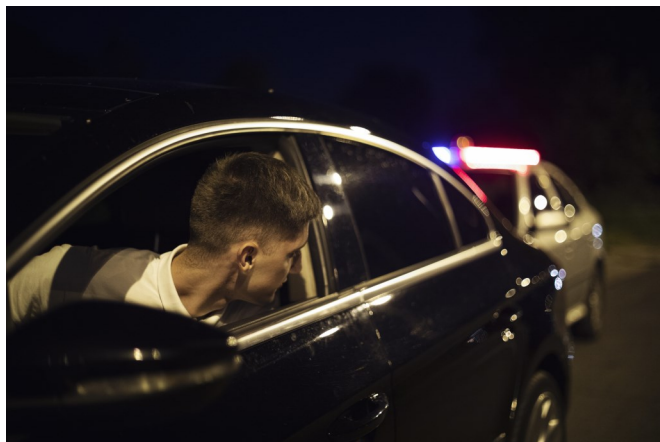
The **Track Star AVLS** application has features specific to the aviation role as well. Aviation assets display in the application with speeds in Knots and altitude data is also displayed. The onboard observer is able to use the new **Track Star Thick Client** application even when not connected to the **Track Star AVLS** system servers so that the view of their own location remains viable in this condition.





Covert Suspect Vehicle Tracking

Track Star offers, in both the AVLS and Express platforms, the right combination of devices and system functions to perform **Covert Suspect Vehicle Tracking** for our Law Enforcement users. We offer a number of economical self-powered devices that attach to suspect vehicles magnetically. Powerful tools in both of our platform architectures permit surveillance of suspects. Additionally, the suspect data can be used in CAD systems using our variety of ancillary software products. This feature is available only to accredited Law Enforcement agencies.



K9 Tracking



Track Star also offers, in both the AVLS and Express platforms, a device suitable to permit the real-time tracking of K9 officers. The device is **collar-worn and rechargeable**, as well as small and light. Tracking information from the device is used in all of the features of both of our architecture solutions and the data from them can be used in CAD systems using our variety of ancillary software products.

Asset Tracking

Track Star provides a variety of devices that enable tracking of a wide variety of assets. This can include agency assets such as speed sign trailers, equipment or other assets as well as certain assets that might be part of criminal activities such as shipments of contraband. Compact and powered by rechargeable batteries, these devices adapt to many applications. In addition, the range of devices to support asset and object tracking functions is growing dramatically and Track Star is curating the best of them for potential inclusion in the Track Star system.





Personnel Tracking

In a number of instances, agencies have requirements to track the movement and activities of personnel. Track Star provides that capability in the AVLS system using an accessory device that is small, lightweight and powered by a rechargeable internal battery. A belt-worn pouch is provided with the device so that it can be carried overtly but the device functions equally well when concealed in a pocket. These devices have a “panic button” that serves as an Officer Needs Assistance signaling device. These devices are often used in patrol scenarios such as foot and bicycle patrol operations, special operations and special events.



Smart Phone Tracking



Being able to remain aware of the status of remotely deployed workforces is one of the primary reasons that users employ **Track Star** systems. In some cases, being aware of the location and movement of a vehicle is not enough to ensure the safety and productivity of a workforce. To solve this requirement, **Track Star** has developed apps for **Smartphones** that allows the device to transmit location and other information to the Track Star system in use. In the **Track Star AVLS** system, we offer an application that transmits location data during scheduled work hours from Android Smartphones and provides an emergency signaling function. When used with the Sonim® XP Series of Smartphones, this emergency signaling function uses the “**red button**” on that device for activation. On other Android devices, an on-screen button activates this feature.



Track Star—Committed to those who serve...

Track Star International, Inc. has served customers in public safety since our founding in 2000. We have provided public safety agencies of all types with the solutions they need to ensure the safety of personnel and to maintain complete situational awareness. The hallmark of the **Track Star** products has been, and will always be, to provide our customers with the **most capable and cost-effective** solutions in the field of GPS-based technologies. This philosophy is reflected in our Mission Statement:

*"At **Track Star** we strive each day to constantly improve our position as the **Value Proposition Leader** in the fields of vehicular GPS technology, digital mapping and communication. We have attained this position by providing, in conjunction with our partners, not only leading edge technology, but the flexibility to meet the varied needs of our many customers, as well as we do it all while providing our reliable services at significantly **lower costs of operation** than our competition."*

In this **Public Safety Products Catalog**, you will find that **Track Star** offers an extensive range of products and solutions that are designed to meet the unique and varied needs of the full spectrum of public safety agencies—police, sheriff, EMT, fire / rescue.

Track Star products are available directly from us as well as from any of our carefully selected, full-service dealers. Our dealers add value to our products by offering additional services often desired in conjunction with the implementation of our products. You can find our dealers on our [Track Star website](#) . **Track Star** is always interested in talking to those who might wish to explore becoming one of our dealers.

Track Star has evolved over these **20 years** and we will continue to evolve to embrace the emerging technologies of tomorrow. This Catalog is something of a snap-shot. To keep abreast of our product and service enhancements and developments, please join our mailing list by visiting the website www.trackstar.com and entering your information in the "Sign up for Track Star International, Inc. News" at the bottom of the home page. You will receive, by email, our quarterly newsletter which is the best way to stay up-to-date as our products and services evolve.

A handwritten signature in blue ink, appearing to read 'Michael B. Hughes'.

Michael B. Hughes

President & Founder

Track Star International, Inc.

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