Tenna Hardware + SNEAK PEEK at Upcoming Products

TennaU May 2023

TENNA

But First...



DO YOU USE THE TENNA MOBILE APP?

On June 23rd we'll be releasing a new version of the Tenna Mobile App that includes necessary functionality for all our new product releases.

The mobile app will need to be updated to the latest version. You will be prompted to download and install and will need to do so before you can continue using the app.

Please share this information with your teams.



Meet the Team



Jose Cueva Co-Founder

Moderator: Colleen Lyerla | Marketing Communications

Agenda

TennaMINI Products

TennaFLEET

TennaCAM 2.0

TennaBLE Products

TennaQR Products

Preview Upcoming Products

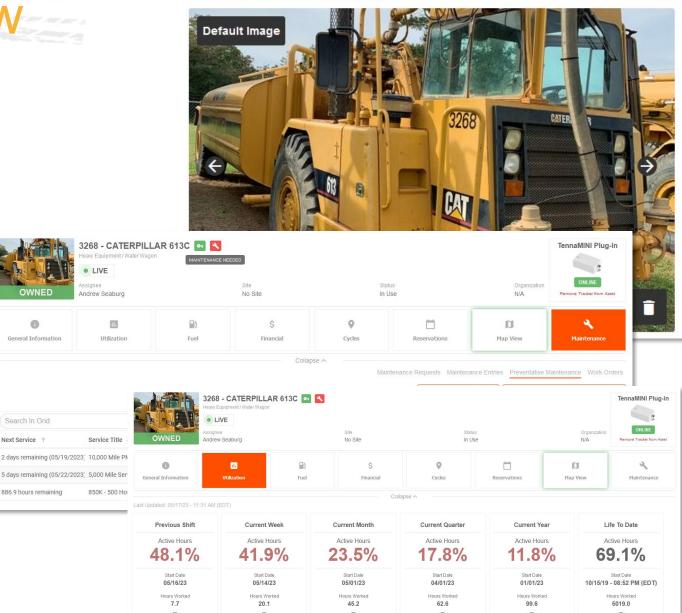
TennaMINI Overview

Ideal for tracking location, engine hours, and more, the TennaMINI product family is a powerhouse for most equipment management needs.

The TennaMINI comes in plug-in, solar, and battery options and helps power the features of Tenna's software by collecting important use, location, and engine data from assets.

TennaMINI is long-lasting, compact, and rugged, and provides immediate alerts to protect against theft or misuse. It is our best equipment solution, and it is also a good choice for some older vehicles

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General Information

Search In Grid

886.9 hours remaining

Next Service

TennaMINI Plug-In Solar

Tenna's latest MINI device charges from solar energy and asset power for the most reliable data and tracking.

Ideal for tracking the position and engine ignition cycle of your heavy and mid-sized equipment and enginepowered machines, the TennaMINI Plug-In Solar provides precise GPS tracking and utilization data for full visibility and effective management of your valuable equipment.

This compact device is a high-quality, cost-effective, and long-term solution for autonomously monitoring your assets and has a net zero impact on the asset's battery. The TennaMINI Plug-In Solar draws power from the sun or from the asset itself only when the ignition is on.



- Rechargeable battery and net zero power consumption for reliable equipment tracking and management
- Captures location and ignition on/off data
- Two operating modes allow for location and ignition data reports when the engine is running, and location data reports when not running
- Supports insights on how your equipment is utilized (run time), asset battery level, and other data to trigger preventative maintenance
- Pings on motion even when assets are powered off (e.g.: being towed)

TennaMINI Plug-In

This version of the TennaMINI might look more familiar.

Our original plug-in did not include a solar panel for charging—there was a separate solar-only device for that use case.

We are constantly striving to improve and optimize both our hardware and software products. But this original device is *still* an excellent option.

If you have TennaMINI Plug-In devices in use and they are still working as you need them to, we will continue to support them.

If you'd like to find out more about the Plug-In Solar, contact your Customer Success Manager.

- Rechargeable battery and net zero power consumption for reliable equipment tracking and management
- Captures location and ignition on/off data
- Two operating modes allow for location and ignition data reports when the engine is running, and location data reports when not running
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- Pings on motion when assets are powered off but in motion (e.g., being towed)

TennaMINI Battery

We like flexibility as much as you do.

Sometimes equipment is stored inside or used exclusively in warehouses.

Sometimes equipment might be used seasonally and even a net zero impact on battery power is not preferred.

The TennaMINI Battery is the ideal choice for equipment and assets that rarely receive enough sunlight to charge a solar panel, and/or are used infrequently or seasonally and need optimal battery protection.

The TennaMINI Battery supports a 7-year lifespan and all the benefits of the other TennaMINI products.



- Rechargeable battery and net zero power consumption for reliable equipment tracking and management
- · Captures location and ignition on/off data
- Two operating modes allow for location and ignition data reports when the engine is running, and location data reports when not running
- Supports insights on how your equipment is utilized (run time), asset battery level, and other data to trigger preventative maintenance

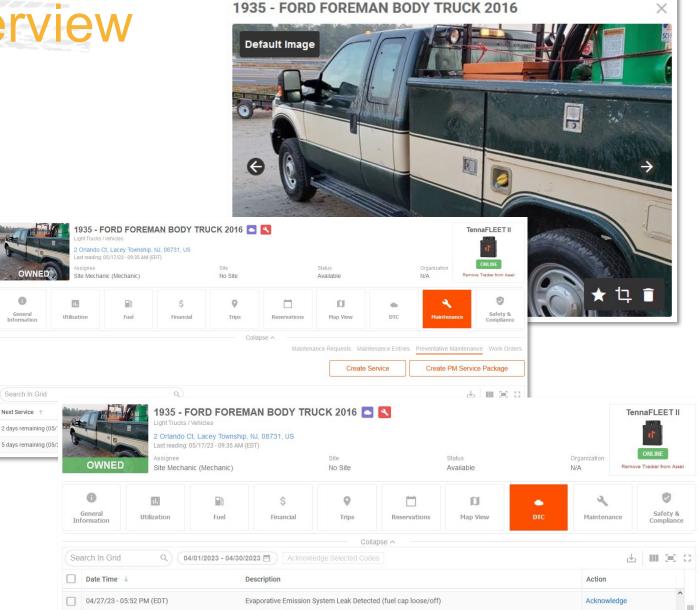
TennaFLEET II Overview

The TennaFLEET II is specifically for light to heavy vehicles.

This hardware option is the best choice for vehicles from cars to pickups and vans to semis and other heavy trucks.

The TennaFLEET II is excellent for promoting safety with your drivers, as it tracks location, speed, harsh braking, and rapid acceleration. (Pair with TennaCAM 2.0 for even better safety—more on that soon!)

This device also reads Diagnostic Trouble Code data to make it easier to stay on top of emergency maintenance needs.



TennaFLEET II Safety

TennaFLEET II ingests data that helps inform safety and compliance programs.

This device is specifically for vehicles and pulls data on driving events including speeding, harsh braking, and rapid acceleration, which can provide valuable evidence in the event of accidents and facilitate coaching of drivers.

This data is gathered under Trips on the Asset Details page, and a click under Actions provides specific information about each reported safety violation.

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Event Date & Time	Event	Threshold Met	Value	Speed Limit	Points	Actions
05/17/23 - 05:07 AM (EDT)	Speeding	Speed is 5 MPH over speed limit	65 MPH	55 MPH	-1	D
5/17/23 - 05:09 AM (EDT)	Speeding	Speed is 5 MPH over speed limit	67 MPH	55 MPH	-1	a
05/17/23 - 05:11 AM (EDT)	Speeding	Speed is 15 MPH over speed limit	71 MPH	55 MPH	-5	a
05/17/23 - 05:13 AM (EDT)	Speeding	Speed is 5 MPH over speed limit	73 MPH	55 MPH	-1	a
05/17/23 - 05:22 AM (EDT)	Speeding	Speed is 15 MPH over speed limit	63 MPH	45 MPH	-5	a
05/17/23 - 05:24 AM (EDT)	Speeding	Speed is 5 MPH over speed limit	60 MPH	45 MPH	-1	Ø
05/17/23 - 05:26 AM (EDT)	Tracker: Over Speeding Start	-	-	-	_	a
05/17/23 - 05:27 AM (EDT)	Speeding	Speed is 15 MPH over speed limit	75 MPH	55 MPH	-5	a
05/17/23 - 05:27 AM (EDT)	Tracker: Over Speeding End	-	-	-	-	a
05/17/23 - 05:28 AM (EDT)	Speeding	Speed is 15 MPH over speed limit	74 MPH	55 MPH	-5	a
05/17/23 - 05:29 AM (EDT)	Tracker: Over Speeding Start	-	-	_	-	a

TennaFLEET II

TennaFLEET II supports both OBD II and JBUS.

Ideal for tracking cars, pickup vehicles, vans, and heavy trucks, the TennaFLEET II tracker provides precise GPS tracking and management for your fleet.

Connected to the Engine Control Unit, it continuously monitors and transmits location as well as additional telematics data including speed, engine hours, fuel consumption, and other important diagnostic information when the vehicle is powered on to help maintain vehicle health.

Data is conveyed across cellular networks directly to Tenna. With event-based alerts and visibility on the map as well as utilization and condition insights, the TennaFLEET tracker is a powerful tool for your asset management needs.



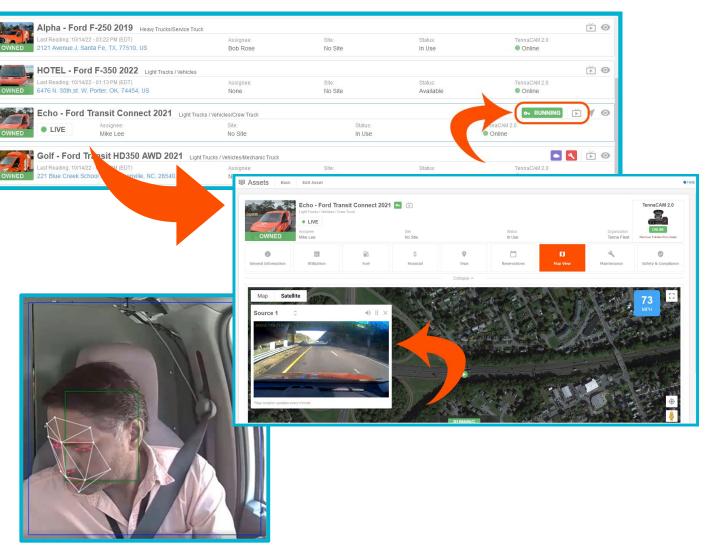
- Flexible, easy-to-install, and long-lasting for reliable fleet tracking and management.
- Captures location data with built-in GPS and functions via cellular network connectivity. Sends location heartbeat every three hours when not running.
- Transmits location and telematics data to Tenna every minute when running for accurate updates.
- Provides maintenance monitoring and aids in predictive analysis concerning performance.

TennaCAM 2.0 Overview

A powerful system—combined with TennaFLEET II—to improve safety and protect against liability.

Combined with the valuable data provided by the TennaFLEET II tracker, TennaCAM 2.0 puts video evidence to safety alerts and aids in coaching, rewarding, and exonerating or helping to settle accidents and other incidents.

TennaCAM 2.0 also features internal video evidence and alerts for distracted driving events such as fatigue, phone use, eyes off the road, and more. Drivers can receive instant alerts to instantly correct and adjust behavior.



TennaCAM 2.0

TennaCAM 2.0 includes in-cab and road-facing cameras and AI technology to proactively improve safety.

TennaCAM 2.0 helps contractors find the truth behind safety incidents and protects businesses and drivers from liability. Automatic video capture provides context behind alerts and on-road activities, and invaluable exonerating evidence for insurance, law enforcement, and safety records.

Different configuration settings allow users to decide if and how alerts are communicated to drivers during a trip, and what video or audio evidence is captured for trip events.



- Fleet managers receive alerts when video content is available
- Driver audio alerts can be turned on to signal drivers when distractions are detected
- Captures unsafe driver behavior and detects when drivers are fatigued, using phones, or other distractions
- Provide video evidence of accidents and other incidents to law enforcement and insurance to exonerate no-fault drivers or settle cases quickly

TennaCAM 2.0 Settings

Default settings are optimized for functionality and performance.

TennaCAM 2.0's standard configuration is optimized to capture critical events, maximize video storage space and quality, and minimize in-cab distractions.

Additional settings options adjust when video or audio is captured, or driver alerts are triggered, to customize camera functions for specific needs.

General Settings							
Speed Unit	MPH						
Camera Event Chime	OFF						
Parking Duration	1 Hour						
In Cabin Alert Voice	OFF						
Video	Settings						
Channel 1 Camera (Road Facing)	ON						
Channel 2 Camera (Cabin Facing)	ON						
Channel 1 Quality (Road Facing)	720p						
Channel 2 Quality (Cabin Facing)	720p						
In Cabin Audio Recording	OFF						
Event	Settings						
Driver Event	Video Allowed						
High G Force / Sensitivity	Alert ON / Most Sensitive (~1G)						
Distraction	Alert ON						
Yawning	Video ON						
Drowsiness / Looking Down	Video ON						
Phone Use / Hand to Head	Video ON						

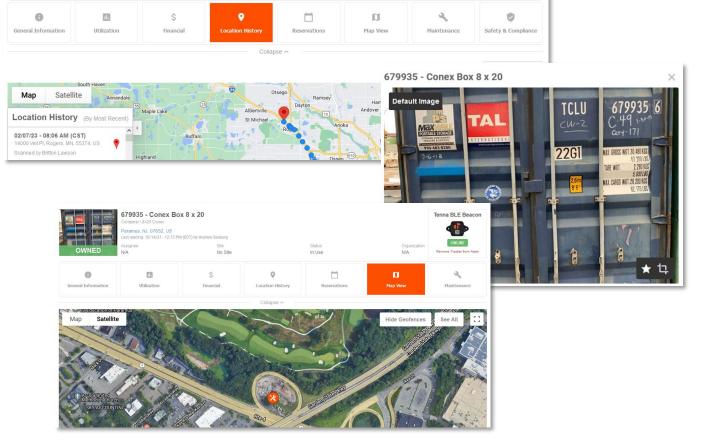
TennaBLE Overview

Tenna alerts when small assets, parts, and attachments have been left behind.

TennaBLE Beacons are the best options for keeping track of small tools, parts, attachments, and containers.

BLE beacons transmit "heartbeats" every second (so 60x per minute) that are automatically picked up by the Tenna app on a mobile device

When in range, the app records the beacon position every two minutes and stores it in the cloud to report to Tenna. The low energy helps preserve battery life and keeps costs down for affordable long-term tracking, rather than using more costly cellular technology.



127626B - Air Mover - 1625 CFM

Tenna BLE Beacon

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TennaBLE Steel Puck | Ruggedized

TennaBLE Beacons come in two options for the most flexibility on a variety of assets and small tools.

Ideal for effortlessly tracking equipment parts and attachments that get aggressive use, TennaBLE Beacons allow assets to be grouped together to avoid lost or left behind attachments. They are optimized for rough construction environments and instantly picked up by nearby Tenna Mobile Apps to report locations.

TennaBLE Beacons are ideal for:

- Buckets
- Blades
- Smaller to mid-sized equipment
- Non-powered assets



Steel Puck

Ruggedized

Benefits

- Any nearby Tenna App picks up beacons and reports updates to your account (Users outside of your company do not have access to your data)
- Durable, easy to install, and long-lasting for reliable equipment tracking and management
- Extremely ruggedized designs to withstand the elements (both) and extreme force and impact (Steel Puck)
- Autonomously reporting allows for hands-off location updates

• Tools

TennaBLE Installations



The puck is small and unobtrusive, but the steel casing is welded on to withstand extreme impacts.

The puck can be installed on a variety of materials and assets, including made flush on steel plates.





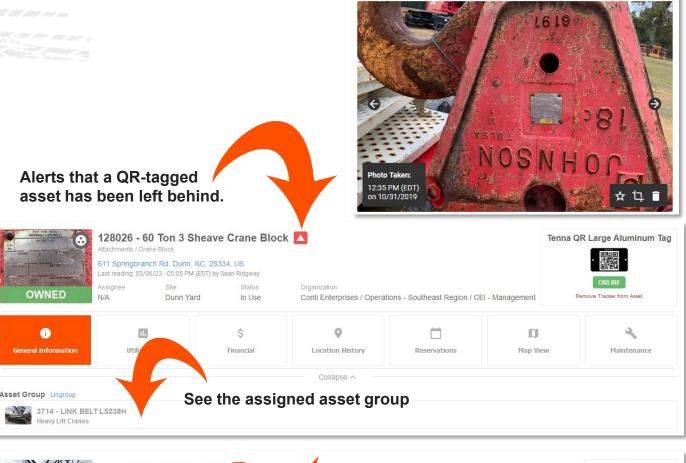
The ruggedized beacon is small but durable and perfect for small assets that need location tracking.

TennaQR Overview

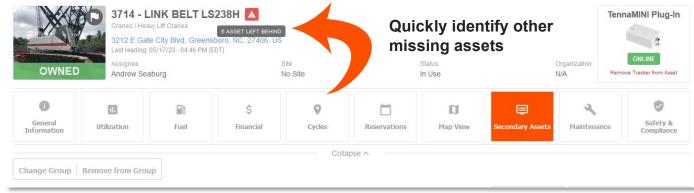
Durable tags can be scanned with the Tenna App on any mobile device for manual location and other updates

Tenna offers durable adhesive labels in different sizes, as well as rugged aluminum tags. Weatherproof and withstanding extreme, adverse conditions, Tenna's QR solution is an easy and affordable tracking technology for mixed asset management needs.

By grouping assets together and scanning QR tags and labels, equipment management is made easier by instantly identifying left behind accessories and accurately locating them for pick up.



128026 - 60 Ton 3 Sheave Crane Block



TennaQR Label | Tag

TennaQR Labels and Aluminum Tags are durable, affordable, and easy to apply to almost anything.

Excellent for tracking and building accountability for small and easy-to-misplace assets, TennaQR is a manual way of managing assets and requires the scanning of a tag or label with a QR reader or smart device to connect to the platform. TennaQR is perfect for:

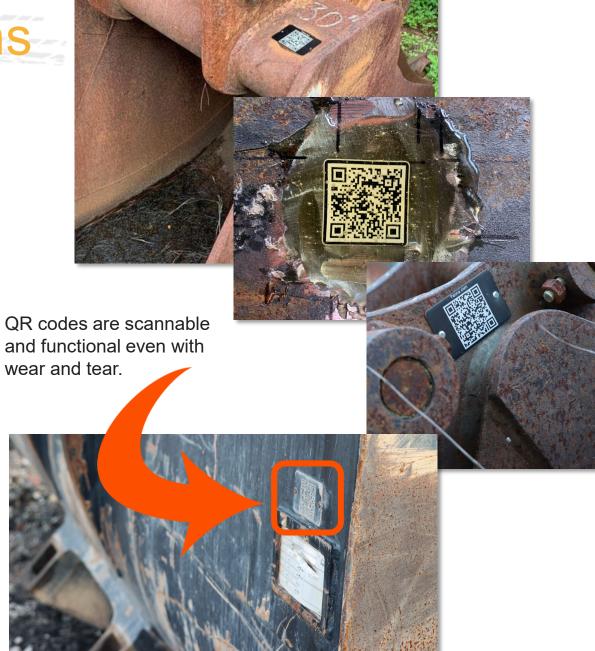
- Small tools
- Materials
- Consumables
- Parts
- Attachments
- Accessories



- Maintain their integrity and scanability even if a percentage of the tag is obscured
- Resilient against weather, chemical substances, UV exposure, and peeling
- Labels have up to a ten-year lifespan while tags are bolted on and last virtually forever
- Scans from inches away so crews aren't slowed down or inconvenienced
- After scanning, Tenna records precise location and timestamp to the platform in seconds

TennaQR Installations





TennaQR Inspection Tag

Define physical inspection points for DVIRs and equipment inspections.

Enforce thorough inspections and DVIRs with Tenna's QR Inspection Tags. These labels can be applied to critical inspection points or safety accessories that must be visually verified during inspections before operation.

Examples:

- Define a daily 4-point check for a Daily Vehicle Inspection by adding Inspection Tags to each corner of the vehicle
- Add Inspection Tags to essential road safety supplies such as fire extinguishers



- Small, durable, UV-resistant tags are securely applied to any point on a vehicle or piece of equipment
- Quick scan from any direction
- Apply as many or few as needed to any asset to ensure and confirm thorough inspections
- Scanning tags during an inspection records proof that a visual inspection was conducted on each required area

TennaQR Inspection Tag Installation



Tenna AEMP Integrations Overview

Tenna AEMP Integrations make it possible to have one platform for your equipment and resource management.

Tenna integrates with other construction technology solutions to help you bring your business ecosystem closer together, share data, improve communications, and maximize efficiencies.

Tenna developed an AEMP-compliant data flow to achieve seamless integration with OEM-provided telematics. Equipment management is made easier by having third-party OEM data for your mixed asset fleet flow directly into Tenna, consolidating logistics, operations, equipment maintenance, and reporting.

This allows for comprehensive equipment management, improved preventative maintenance, and optimal equipment utilization monitoring on a single platform.



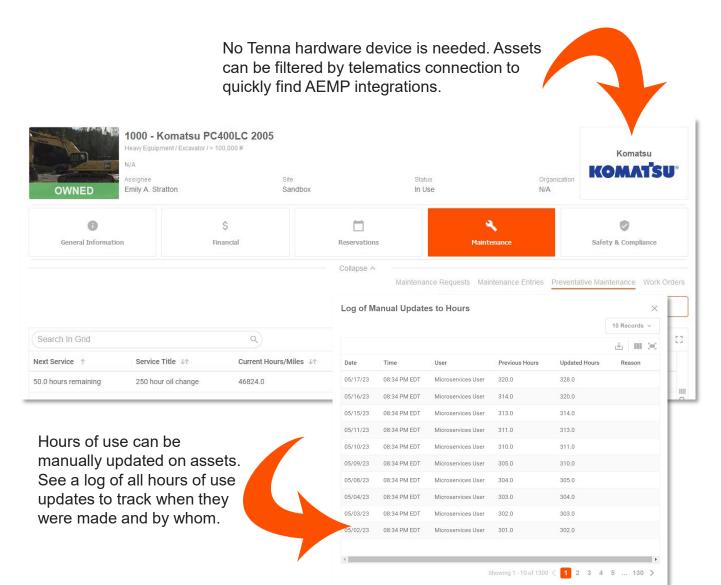
Tenna AEMP Integrations

Tenna AEMP Integrations make it possible to have one platform for your equipment and resource management.

AEMP Integrations allow Tenna to connect and share data with, and/or receive data from, third-party software vendors and OEMs (original equipment manufacturers).

With inbound connections, Tenna takes data in from third parties. This typically includes equipment manufacturers already generating telematics data for your assets.

With outbound connections, Tenna shares data with third parties. These typically include other business systems used by different departments in your organization.



Tenna AEMP Integrations United Rentals

Tenna also features seamless integration with United Rentals.

Tenna's unique integration with United Rentals allows Tenna customers who use United Rentals to supplement their existing assets to track both owned and rented assets across all job sites. Tenna is currently the only asset tracking and management provider partnering with United Rentals.

How It Works

- AEMP-compliant data flow integrates with United Rentals telematics
- User connects United Rentals Total Control account
- All rented assets are now available for tracking and monitoring along with owned assets.

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Serial Number 3973460972 State of Registration NJ		Make Model Ford F-150			Year 2022		Class Code Class 2		License Plate JUX-38U		
		ConditionCurrent MilesGood6747852.7		Current Hours 7854.4							
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- Resulting data makes it easier to understand which rented assets are most frequently requested and which owned assets are not
- Capturing use, maintenance, and other data from rented as well as owned assets allows for more informed decisions about purchasing needs.

Tenna AEMP Integrations Sunbelt

Coming soon!

Tenna will be unveiling an integration with Sunbelt Rentals. If you are interested in integrating your Sunbelt rented assets into your Tenna solution, contact your Customer Support Manager for more information.



- Resulting data makes it easier to understand which rented assets are most frequently requested and which owned assets are not
- Capturing use, maintenance, and other data from rented as well as owned assets allows for more informed decisions about purchasing needs.

Preview TennaCANbus

The next level of vehicle data consumption is coming with TennaCANbus

Some people compare CAN bus to the nervous system of a vehicle. Just like the human nervous system connects and relays messages between the various organ systems, the Controller Area Network—or CAN bus—connects and relays messages between the various electrical systems in a vehicle.

Equipment manufacturers (OEMs) can track and report many parameters related to the performance of their machine units. Unfortunately, they withhold most of this data within their systems as proprietary information and don't expose it outside of their OEM system.

Tenna can extract the information that is made public through our CAN bus trackers.



Some Benefits

- Detect external PTO (e.g., tow arms engaged, dirt dumping engaged, etc.)
- Receive CAN bus data points such as
 - ✓ Odometer readings
 - ✓ Speed and idling
 - ✓ Diagnostic Trouble Codes
 - ✓ Fuel, oil, coolant, and other fluids
 - ✓ Temperature

Preview TennaCAM 2.0 Rear Camera

TennaCAM 2.0 Rear Camera offers additional views for safety and to keep track of cargo loads.

The TennaCAM 2.0 will soon support additional rear-view cameras — including optional additional in-cab monitors — to expand the capabilities and safety features of our existing camera solution.



Preview TennaMINI 2.0

We're making the TennaMINI even better.

The new TennaMINI 2.0 incorporates all the powerful functionality of the existing TennaMINI Plug-In Solar in a more durable and rugged design.

As with the existing Plug-In Solar, the TennaMINI 2.0 can charge via solar power when available, or with a net zero impact on the asset's battery when needed. But the improved casing ensures that the tracker is more weather resistant and better able to withstand extreme force and impact.

Benefits

 Rechargeable battery and net zero power consumption for reliable equipment tracking and management

SNEAK PEER

- Captures location and ignition on/off data
- Two operating modes allow for location and ignition data reports when the engine is running, and location data reports when not running
- Supports insights on how your equipment is utilized (run time), asset battery level, and other data to trigger preventative maintenance
- Pings on motion when assets are powered off but in motion (e.g., being towed)

Stay Connected

TennaSHOP

The TennaSHOP LinkedIn Group is a place for Tenna users to connect with one another to:

- Ask questions
- Talk about new and unique use cases
- Share best practices
- Share information about integrations
- Swap success stories

https://www.linkedin.com/groups/9034188/

Come see us! We'll be exhibiting, speaking, or sponsoring at the following events:

Werk-Brau Inaugural Golf Classic Construction Angels June 19

The Ohio State University Golf Club

CFMA Annual Conference

TENNA

CSHOP

July 15-19 Aurora, CO

More Chances To Learn

Tenna Special Edition Live Launch

June 23, 2023 1 p.m. EDT

We will be unveiling all the details of our newest hardware and software products, as well as other important enhancements. This is a must see!

Special prizes for all in attendance

Don't Forget!



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The mobile app will need to be updated to the latest version. You will be prompted to download and install and will need to do so before you can continue using the app.

We recommend making sure your teams are prepared for this after midnight on June 23rd so it does not delay any DVIRs or other work on Monday morning.

Thank You

