

2023 Year in Review

TennaU January 2024



Meet the Team



Jhan



Parker



Jake



Tyler



Ron

Help Resources

Customer Support Team

888.836.6269

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Meet our Support Team!
Available M-F 8am-8pm EST



Tyler



Katie



Ron



Tom

2023 Product & Engineering Accomplishments

New Software Products

- Custom Inspections
- Asset Activity
- Asset API
- Gorilla ELD Integration
- Sunbelt Integration

New Hardware Products

- TennaMINI 2.0
- TennaCANbus Tracker
 - CANbus + AEMP
 - External PTO Tracking
- TennaCAM 2.0
 - Auxiliary Cameras
 - Custom Configuration
- Verizon carrier (TennaFLEET II, TennaCAM 2.0, TennaCANbus)
- Tenna StormBox
- Tenna Cage 2.0

Major Enhancements

- Real-time geofencing
- Net Working Hours Report
- Idling Report v2
- Fuel Report v2
- Fault Codes & DTCs Report
- Project Utilization Views Report
- Work Order v2
- Data Access Controlled Notifications
- Site Utilization for AEMP assets
- Preventative Maintenance Packages
- Mechanic Certification
- Tracker Health & Notifications
- Tracker Warranty Tracking
- Edit Approved Requests
- Site Schedule
- Premium Products Marketing Landing Pages
- Maps – Asset clustering
- Trips/Cycles View
- Live Trip Preview
- TennaCAM 2.0 – Obstruction Detection, Live Streaming
- Procore Integration Configurations
- Tenna Tracker Firmware Upgrades
- Warehouse App Enhancements

Mobile Enhancements

- Create/Edit Work Order
- Search Optimization
- Maps – Asset clustering, asset listing
- Tracker Installation photo capture
- DVIR – Multiple Trailers support

Agenda

Hardware

TennaCANbus and TennaCAM 2.0

Tracker Insights

Tools to help you manage your tracker health and troubleshoot

Custom Inspections

Create inspections that align to your company maintenance and safety goals

Reports

Our new and favorite reports – plus best practices!

Integrations

New! Sunbelt Rentals Integration

Maintenance

Tons of enhancements to Maintenance in 2023

Poll

Who is joining us today?

Hardware

TennaCANbus Tracker

An updated way to track your heavy equipment with Tenna.



Benefits

- Detect idle time to understand when an asset is running (utilization) but not actively in use
- Read standard fault codes for a quicker understanding of machine issues and faster responses to avoid costly downtime
- Monitor OEM or third-party PTO to improve billing and asset utilization understanding
- Combine fuel and idling metrics to understand where waste is happening in one simple view

Best for Heavy Equipment (Yellow Iron) - Available for Heavy Trucks.

- Excavators
- Dozers
- Cranes
- Pavers
- Loaders
- Graders
- Engine-Powered Generators

TennaCANbus + AEMP Integration

TennaCANbus + AEMP Integration

Get Maximum Coverage at the Highest Frequency

- Get the best of both worlds by combining the TennaCANbus with a new or existing OEM integration.
 - Accurate, rich, LIVE data at higher frequency of updates than with OEM alone
 - Exclusive data from your OEM that is not enabled for third-party telematics
- Combining TennaCANbus with OEM integrations ensures that you always have the fastest and most complete data at your fingertips.

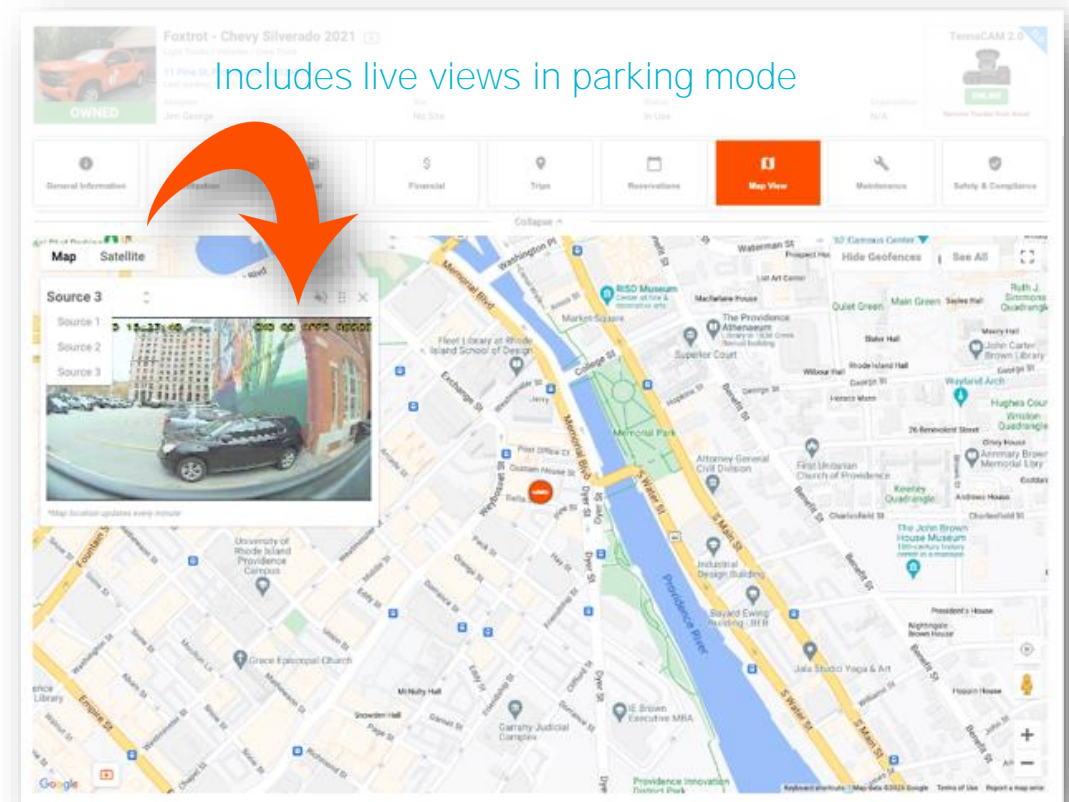
The screenshot shows a web interface for configuring telematics integration. At the top, there are tabs for 'Assets' and 'Back'. Below this, the 'Telematics' section is titled 'Who will be providing the telematics? *'. It features five selectable options: Tenna (highlighted in orange), John Deere, Caterpillar, Komatsu, and Volvo. Below the 'Telematics' section is the 'Secondary Telematics' section, titled 'Enable OEM Fault Code Integration? *'. It has two radio buttons: 'No' and 'Yes' (which is selected). Below the radio buttons are four selectable options: John Deere (highlighted in orange), Caterpillar, Komatsu, and Volvo.

TennaCAM 2.0 Auxiliary & Side Camera

Using rear and side monitoring cameras is on the rise.

Between theft, rising fuel prices, and the increasing need for more efficiency, rear and side cameras to monitor loads and actions are gaining popularity. Some uses include:

- Better accident reconstruction
Video footage covering every angle around a vehicle can absolve fleets of liability in the event of an accident.
- Theft and improper use
Obtain evidence of unauthorized use and deter theft.
- Increased efficiency
Check load size to maximize capacity and cut down on extra dispatch trips
- Quality control
Review video footage to determine if loading/unloading practices caused damage to equipment or supplies



TennaCAM 2.0 DMS



The TennaCAM 2.0 uses an ai-generated Driver Monitoring System (DMS) to generate voice alerts when specific driver actions are detected.

The voice alert will notify the driver of a "distraction detected" and capture a video clip.

- Drowsiness
- Distraction
- Head Down
- Phone Use
- Yawning

Learn More: <https://help.tenna.com/article/486-tennacam-2-0-ai-generated-dms>

Tracker Insights

How to View Tracker Insights

The image displays a web dashboard for tracking assets. The main navigation bar includes 'Assets' and 'Edit Asset'. A secondary bar shows 'TennaFLEET II' with an 'ONLINE' status and links for 'View Details' and 'View Insights'. Below this, a row of icons provides access to various data points: Utilization, Fuel, Financial, Trips, Map View, Rental Information, Schedule, Maintenance, and Compliance.

The 'Tracker Insights' section for 'TennaFLEET II' is highlighted with an orange box. It shows the asset's status as 'ONLINE', its model 'GMS-OB DJ-01', and the last data received on 01/16/2024 at 08:58 AM (EST). A red arrow points from the 'View Insights' link in the top navigation to this section.

The 'Assigned Asset' section features a photo of a green pickup truck and a map showing its last location in Edison, NJ. Below the map, the 'General Info' section is highlighted with an orange box, listing key metrics:

Metric	Value
Tracker Battery Voltage	3.94 V
Cellular Signal Strength	-67 dBm
GPS Fix Quality	Good Fix
GPS HDOP	0.8
GPS NumSV	7

The 'ECU Provided Data Points' section shows the last update on 01/05/2024 at 05:48 PM (EST) and lists various vehicle parameters like Ambient Temperature, Coolant Temperature, Fuel Level, Fuel Type, MIL, and True Odometer 2.

The 'Tracker Battery Voltage' chart shows a single data point at 3.8 V on Dec 18, 2023, at 07:59 AM (EST). The 'Cellular Signal Strength' chart shows a single data point at -82.5 dBm on the same date and time.

Tracker Insights

	Asset Battery Voltage	Cellular Signal Strength	GPS Fix Quality	GPS HDOP	GPS NumSV	Humidity	Ignition Wiring	Temperature	Tracker Battery Voltage
TennaBLE									✓
TennaCANbus	✓	✓							✓
TennaCAM 2.0	✓	✓							✓
TennaFLEET II	✓	✓	✓	✓	✓				✓
TennaMINI 2.0 Plug-In Solar	✓	✓	✓	✓	✓	✓	✓	✓	✓
TennaMINI Plug-In Solar	✓	✓	✓	✓	✓	✓	✓	✓	✓
TennaMINI Plug-In	✓	✓	✓	✓	✓	✓	✓	✓	✓
TennaMINI Battery Solar		✓	✓	✓	✓	✓		✓	✓

Access tracker health and assist in troubleshooting

- Asset Battery Voltage
- Cellular Signal Strength
- GPS Fix Quality
- GPS HDOP
- GPS NumSV
- Humidity
- Ignition Wiring
- Temperature
- Tracker Battery Voltage




Learn More: www.help.tenna.com/article/437-tracker-insights-overview

Tracker Health Daily Digest

Settings Off On / Read

Message: Humidity Outside Recommended Range
Trackers Reporting Humidity Levels Outside Recommended Range




Messages are accumulated and dispatched to users at 9 AM in their respective time-zones

Off On   

Send to: Only Relevant... ⓘ

Message: Temperature Outside Recommended Range
Trackers Reporting Temperatures Outside Recommended Range

Messages are accumulated and dispatched to users at 9 AM in their respective time-zones


Off On   

Send to: Only Relevant... ⓘ

Get ahead of potential Tracker Health issues before the tracker goes offline.

Notify the appropriate personnel when the tracker experiences issues with tracker battery, asset battery, humidity, and temperature ranges.

TENNA™




Temperature Outside Recommended Range

1
Trackers Impacted

Tracker	Asset	Temperature (F)
BTWAE99078094603258 (TennaMINI Solar)	TEST4201 - Test Solar Events 425 S Bluff Rd, Collinsville, IL, US 62234	158 09/25/23 - 08:59:31 AM (EDT)

Tenna LLC | 2045 Lincoln Highway | Edison, NJ 08817 | USA
help@tenna.com | tenna.com
This email has been sent to:
jettlin+stanister.dv2@tenna.com

TENNA™



Humidity Outside Recommended Range

1
Trackers Impacted

Tracker	Asset	Humidity Percent
BTWAE99078094603258 (TennaMINI Solar)	TEST4201 - Test Solar Events 425 S Bluff Rd, Collinsville, IL, US 62234	99% 09/25/23 - 08:59:31 AM (EDT)

Tenna LLC | 2045 Lincoln Highway | Edison, NJ 08817 | USA
help@tenna.com | tenna.com

- Daily Digest Notifications consolidate all tracker health events of the same type into a single daily report.

Learn More: <https://help.tenna.com/article/569-how-to-subscribe-to-tracker-health-daily-digest-and-faq>

Tracker Troubleshooting

The image displays two screenshots of the Tenna help portal. Both screenshots feature an orange header with the Tenna logo and a search bar. The left screenshot shows the 'Tracker Troubleshooting Guide' article. The right screenshot shows a video titled 'TennaU: Tracker Management, Insights and Troubleshooting'.

Tracker Troubleshooting Guide

What: The following matrix gives troubleshooting guidance by tracker type.

Who: Troubleshooting should be carried out with the Power User, a qualified mechanic, and/or a Tenna tech support representative.

When: Use this guide when your tracker is offline, reading a false location, the hour meter/odometer does not match the value in Tenna, etc.

Tenna takes safety incredibly seriously. If you ever believe that any Tenna device is causing a safety issue, remove the device and continue to work with our support team on troubleshooting and diagnostics.

Trackers:

- TennaBLE
- TennaCAM 2.0
- TennaCANbus
- TennaFLEET
- TennaMINI 2.0 Plug-In Solar
- TennaMINI Battery
- TennaMINI Solar
- TennaQR

TennaU: Tracker Management, Insights and Troubleshooting

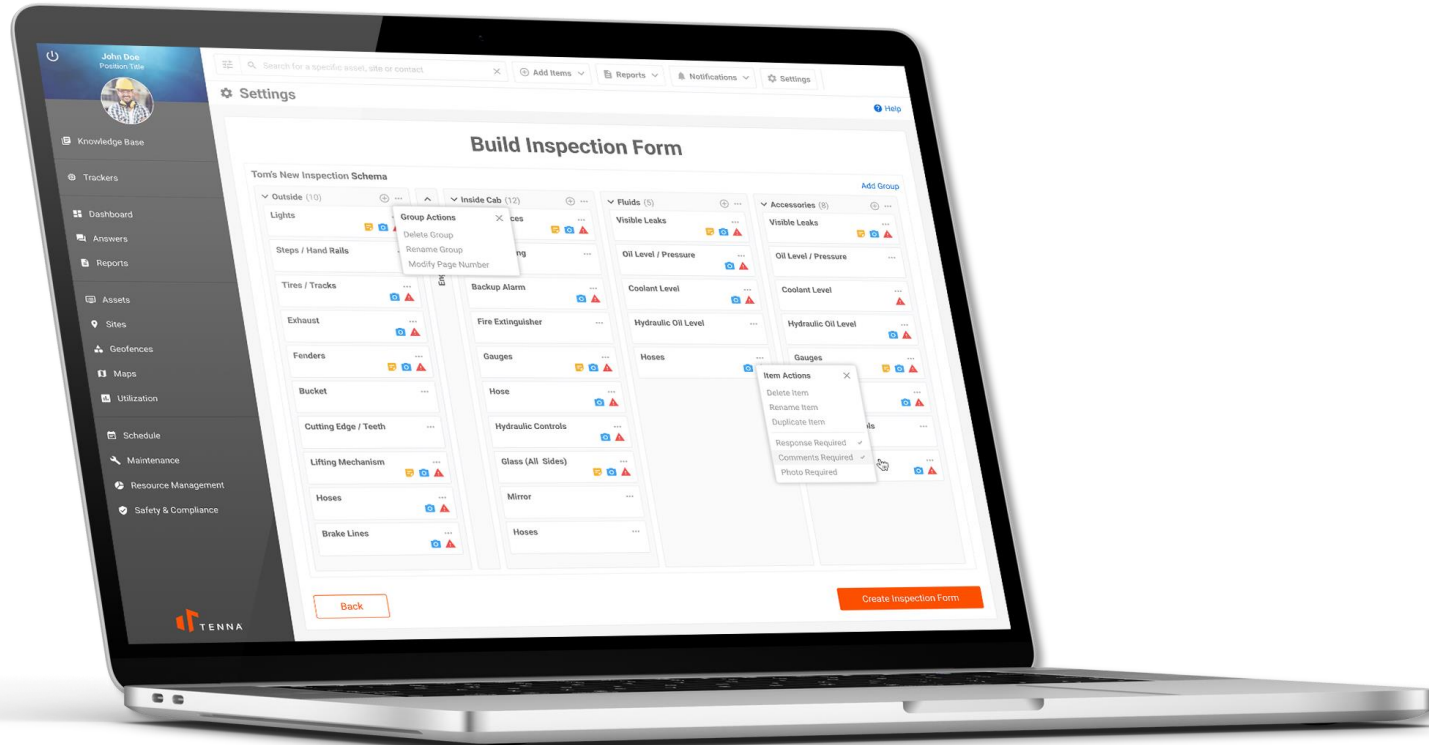
Tracker Management Insights & Troubleshooting
TennaU July 2023

- Team Introductions - 0:45
- Agenda - 1:00
- Help Resources - 2:42
- Tracker Management - 4:15
 - Tracker Verification - 5:15
 - Tracker Status - 8:15
 - Upgrade your Hardware (TennaCANbus and TennaMINI 2.0) - 11:53

Learn More: <https://help.tenna.com/article/516-tracker-troubleshooting-guide>

Custom Inspections

Custom Inspections Overview



Custom Inspection Forms make Tenna Inspections even more powerful and impactful.

Custom Inspection Forms is a premium add-on to our Safety & Compliance module.

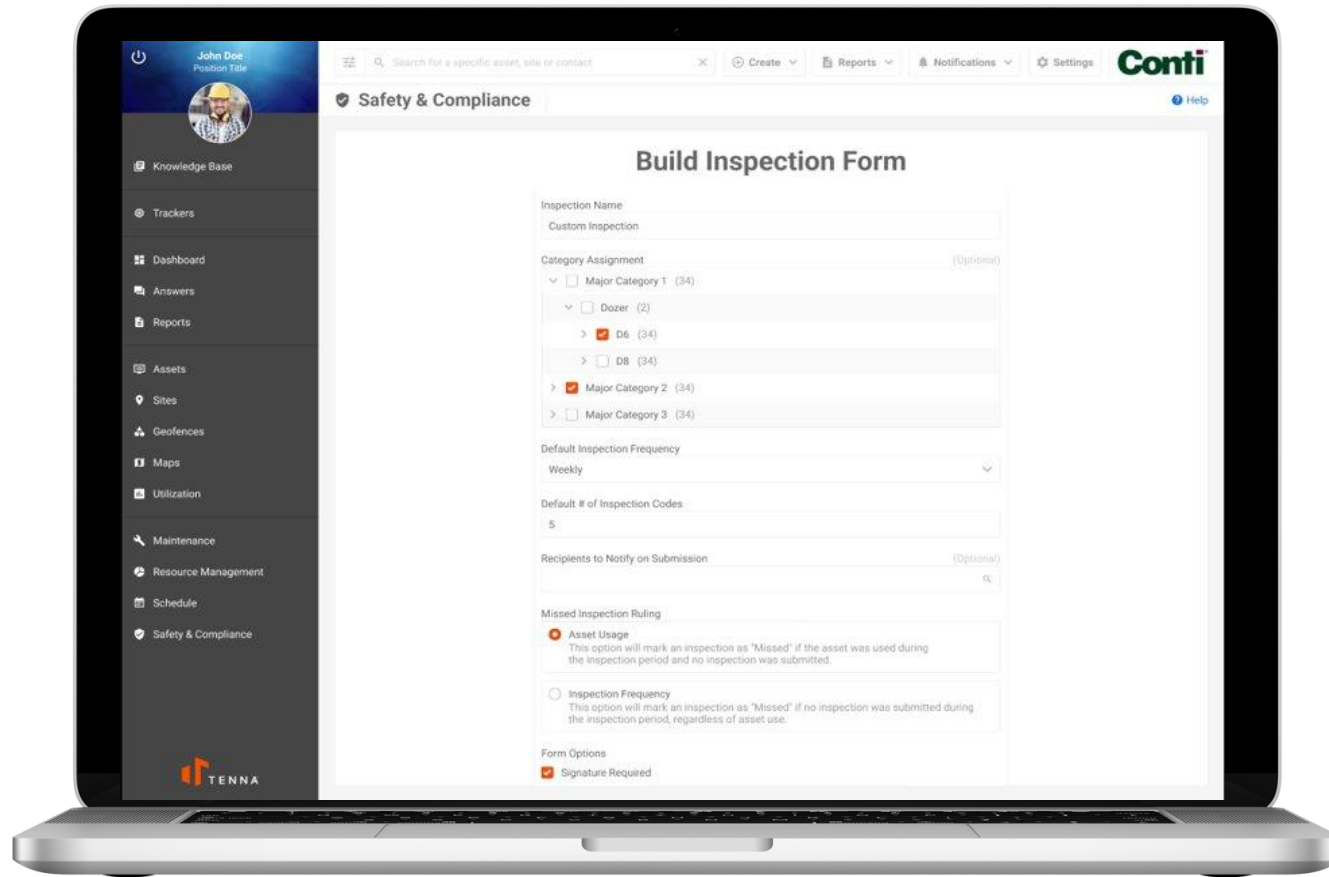
Now you can build your own inspection forms to suit your organization and projects. (Priced per telematics asset/month.)

Benefits

- Create new forms for special use cases, specific projects, and more.
- Enforce mandatory fields to get the data you need.
- Mandate signature fields.

Learn More: <https://help.tenna.com/article/534-custom-inspections-overview>

Custom Inspections Start Customizing



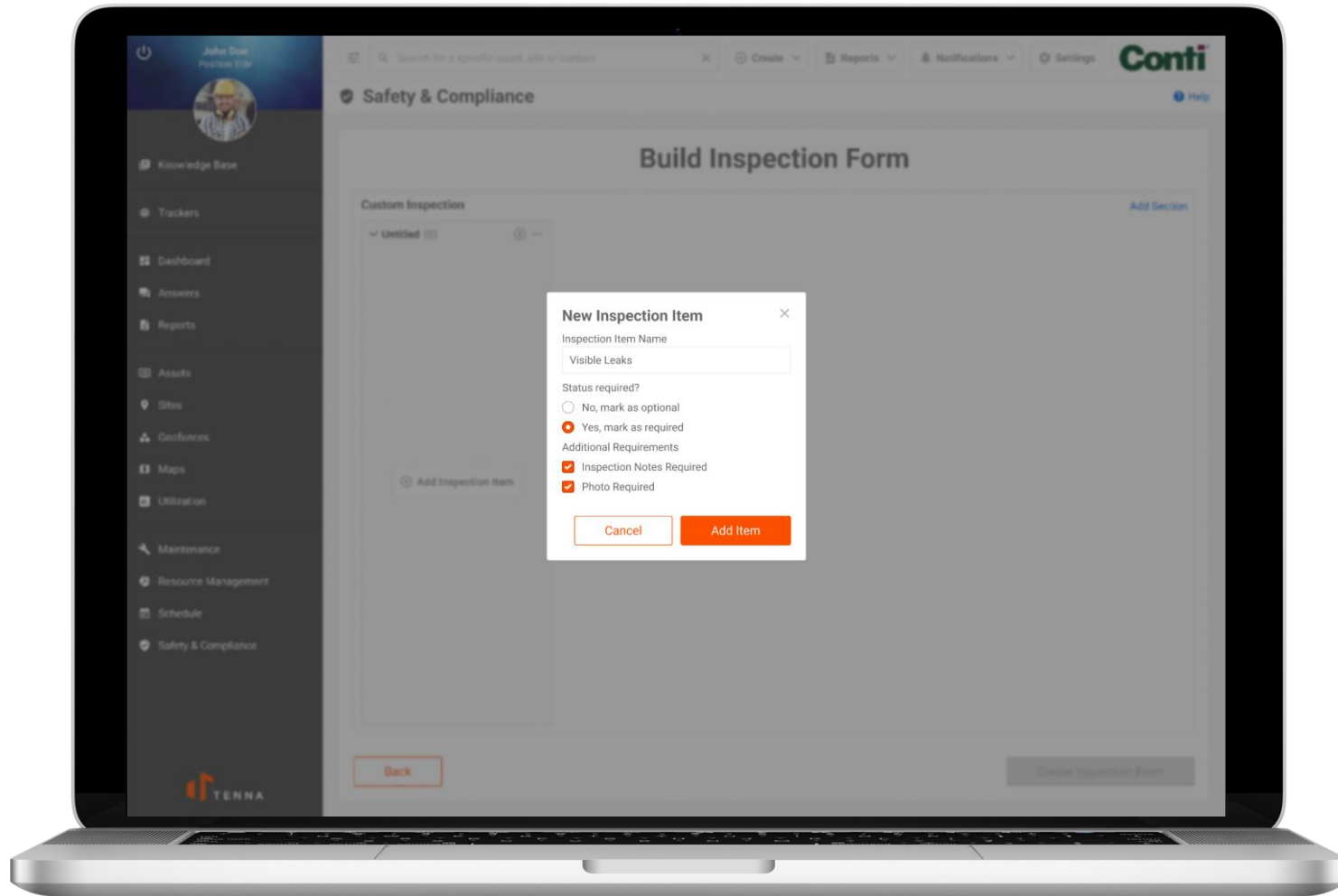
Build as many custom forms as you need.

Choose from a variety of options:

- Categories to inspect
- Frequency of inspections
- Notification recipients
- What constitutes a missed inspection
- Signature requirements
- Comments
- And more

Learn More: <https://help.tenna.com/article/533-how-to-create-clone-edit-and-delete-a-custom-inspection>

Custom Inspections Start Customizing



Add custom inspection items to your form.

Have a certain type of asset that's prone to leaks? Notice that assets on a certain job site seem to collect a lot of external damage? Get as specific as you need to make inspections more meaningful.

Success Stories

Mechanical Inspection

Section	Section Page Number	Inspection Item
¿Qué lado del coche?	1	Luces
¿Qué lado del coche?	1	Agotar
¿Qué lado del coche?	1	Defensas
¿Qué lado del coche?	1	Balde
¿Qué lado del coche?	1	Accesorios engrasados
Compartimiento del motor	1	Cable de la batería
Compartimiento del motor	1	Correa del ventilador
Compartimiento del motor	1	Filtro de aire
Interior de la cabina	1	Servicio de frenos
Interior de la cabina	1	Frenos, Estacionamiento
Interior de la cabina	1	Alarma de retroceso
Fluidos	1	Fugas visibles
Fluidos	1	Nivel/presión de aceite
Fluidos	1	Nivel de refrigerante
Fluidos	1	Nivel de aceite hidráulico
Fluidos	1	Nivel de líquido de transmisión

Customer was able to create a Custom Inspection form in Spanish.

Integrations

Sunbelt Integration Overview

Licenses Org Chart Users Labor Resource Permissions Data Access Configurations Categories Maintenance Safety & Comp. Integrations

Collapse ^

Select Your Integration Category

OEM
For assets that require an inbound integration with 3rd Party OEM telematics

Project Management
Provides 3rd Parties data from Tenna

ERP
Direct connections to your trusted planning systems

Equipment Rental Providers
Integrate your rental provider data with Tenna

Licenses Org Chart Users Labor Resource Permissions Data Access Configurations Categories Maintenance Comp. Integrations

Collapse ^

OEM Project Management ERP Equipment Rental Providers

Inbound ← **United Rentals**

UR Account Id
User ID
Password

Sync

OR
[Need login information? Start here.](#)

Inbound ← **SUNBELT RENTALS**

CONNECTION ONLINE

Asset Mapping Manage

Last sync: 10/02/23 - 10:12 AM (CDT)

Growing our rental integrations for greater visibility.

Our newest rental integration allows Tenna to continue to provide the best visibility for our customers managing mixed fleets of owned/rental assets.

- See owned and rental asset data together
- Eliminate multiple systems
- Gain a better understanding of use across sites, types of equipment, and more
- Improved financial decision making

Reports

Reports Net Working Hours

Reports Show Filters Help

Net Working Hours

Search In Grid 12/18/2023 - 01/18/2024

Asset Category >	Organization >	Asset Details >					
Major Category ↓↑	Org Sublevel 1 ↓↑	Fleet No. ↓↑	Asset Name ↓↑	Hours Accumulated ↓↑	% Idle ↓↑	Idle Time Accumulat... ↓↑	Net Work Hours ↓
Heavy Equipment	Conti Enterprises	127763	MULTI-QUIP DCA-25USI2C	245.0	0%	0.0	245.0
Light Trucks / Vehicles		1963	CHEVROLET PICKUP TRUCK W	263.1	46.2%	121.5	141.6
Heavy Equipment		127636	JOHN DEERE 470G	126.9	0%	0.0	126.9
Heavy Equipment	Conti Enterprises	3234	GENIE S85	120.9	0%	0.0	120.9
Heavy Equipment		3431	JOHN DEERE JD-850K LGP	115.9	0%	0.0	115.9
Heavy Equipment	Conti Enterprises	127641	John Deere 470G 2015	113.8	0%	0.0	113.8
Cranes		3401	MANITOWOC 10000	108.1	0%	0.0	108.1
Heavy Equipment	OHL North America	127906	CATERPILLAR 335F	88.5	0%	0.0	88.5
Light Trucks / Vehicles	Conti Enterprises	1976	CHEVROLET PICKUP TRUCK W	183.7	52.6%	96.7	87.0
Heavy Equipment		127903	KOMATSU PC360LC-11	86.5	0%	0.0	86.5
Heavy Equipment		127939	CATERPILLAR 420D IT	82.3	0%	0.0	82.3
Heavy Equipment	Conti Enterprises	2989	JOHN DEERE 750K LGP	81.9	0%	0.0	81.9
Heavy Equipment	Conti Enterprises	127608	JOHN DEERE 650K	81.3	0%	0.0	81.3

Showing 1 - 100 of 552

Get a complete view of an **asset's productivity**, all in one streamlined report.

- View Hours Accumulated, Idle Time Accumulated, and Net Work Hours
- Available with trackers that support trip and cycle reporting, including AEMP assets
- Gives an accurate and reliable **picture of an asset's productivity** by subtracting idling hours from run time

Asset Activity Reports Starts & Stops

More than idling — detailed reporting on all trip activities to understand and identify wasted time.

The Starts & Stops report provides the user with a list of events in a specific date range, with data summarizing asset activity.

Benefits

- Identify unplanned destinations
- Validate performance data
- Reduce costs related to idling, time-wasting, non-business detours, and more.

Starts & Stops

This asset is currently assigned to the following stop threshold - Light Vehicle Threshold. You can customize this threshold in your account configurations.

495/89 - BGT-5657
Light Trucks / Vehicles

This asset's tracker does not support all the events captured in this report, some data may be unavailable.

Trips	Miles	Run Time	Stops	Stop Time	Idle Events	Idle Time	PTO Events	PTO
25	17.5	00h 00m 00s	86	14h 00m 50s	82	07h 14m 07s	0	00h 00m 00s

Search... Start 10/02/2023 12:00 AM (CDT) End 10/12/2023 11:59 PM (CDT)

Timestamp	Event	Location	Site	Event Value	Trip Duration	Miles
10/04/2023						
06:44 AM (CDT)	A Trip Start	496 Brickyard Rd, Hampstead,				
07:31 AM (CDT)	B Trip End	1351 Hoover Rd, Hampstead, N				1.7
07:31 AM (CDT)	Stop (Light Vehicle Thresh	1351 Hoover Rd, Hampstead, N		01h 32m 34s		
09:04 AM (CDT)	A Trip Start	1351 Hoover Rd, Hampstead, N				
09:06 AM (CDT)	B Trip End	1351 Hoover Rd, Hampstead, N				0.0
09:06 AM (CDT)	Stop (Light Vehicle Thresh	1351 Hoover Rd, Hampstead, N		00h 05m 25s		
09:12 AM (CDT)	A Trip Start	1351 Hoover Rd, Hampstead, N				
09:28 AM (CDT)	Idling	N/A		00h 01m 59s		
10:06 AM (CDT)	B Trip End	1531 Hoover Rd, Hampstead, N				0.6

Stop Events: 0-15 min (green), 15-30 min (yellow), 30-45+ min (red)

Showing 1 - 100 of 218

Asset Activity Travel Summary Report

Fleet No.	Asset Name	Major Category	Org Sublevel 1	Trips / Cycles	Stops	Miles	Hours	Run Time	Stop Time	Idling	PTO	Fuel Consumed	Actions
638984	2021 Dodge Ram 5500	Light Equipment	Northeast Region	2	3	164.5		07h 20m 50s	03h 07m 44s	00h 26m 45s	01h 22m 23s	17.4	
812188	Peterbilt Tractor	Heavy Trucks	Southwest Region	4	9	15.5	15.5	00h 34m 35s	00h 22m 35s	00h 14 m 23s		8.2	
628343	Peterbilt Crane	Heavy Equipment	Southwest Region	5	1		23.3	00h 13m 08s	00h 10m 45s	00h 09m 35s	00h 07m 35s	1.2	
957759	Dresser TD9H - Sp...	Heavy Equipment	Southwest Region	2	2		12.2	00h 13m 08s	00h 07m 35s	00h 22m 35s	00h 13m 08s	12.5	
965973	Cat D8L	Heavy Equipment	Northeast Region	3	6	75.2		00h 13m 08s	00h 13m 08s	00h 10m 45s	00h 10m 45s	15.2	
527581	Cat 460 Lull Teleh...	Heavy Equipment	Northeast Region	8	8	55.3		00h 09m 35s	00h 09m 35s	00h 31m 35s	00h 07m 35s	5.3	
Subtotal (6 Assets)				24	30	254.3	55.8	08h 19m 35s	04h 09m 35s	01h 31m 35s	02h 07m 23s	59.8	
Report Total (58 Assets)				2,684	462	6700.9	842.2	15h 25m 44s	08h 09m 35s	03h 31m 35s	04h 55m 15s	475.6	

Starts & Stops

638984 - 2021 Dodge Ram 5500

Heavy Trucks / Bucket Truck

The Travel Summary report makes it easy to review all activities that occurred in a specific time frame.

This report presents the user with a carefully selected inventory of assets that were in use on a particular date, along with data that summarizes their activity.

Learn More: <https://help.tenna.com/article/555-travel-summary-report>

Benefits

- Verify performance
- Reduce costs resulting from prolonged periods of inactivity.

Live Trips

Live Trip Preview

See where your assets are live and where they have been.

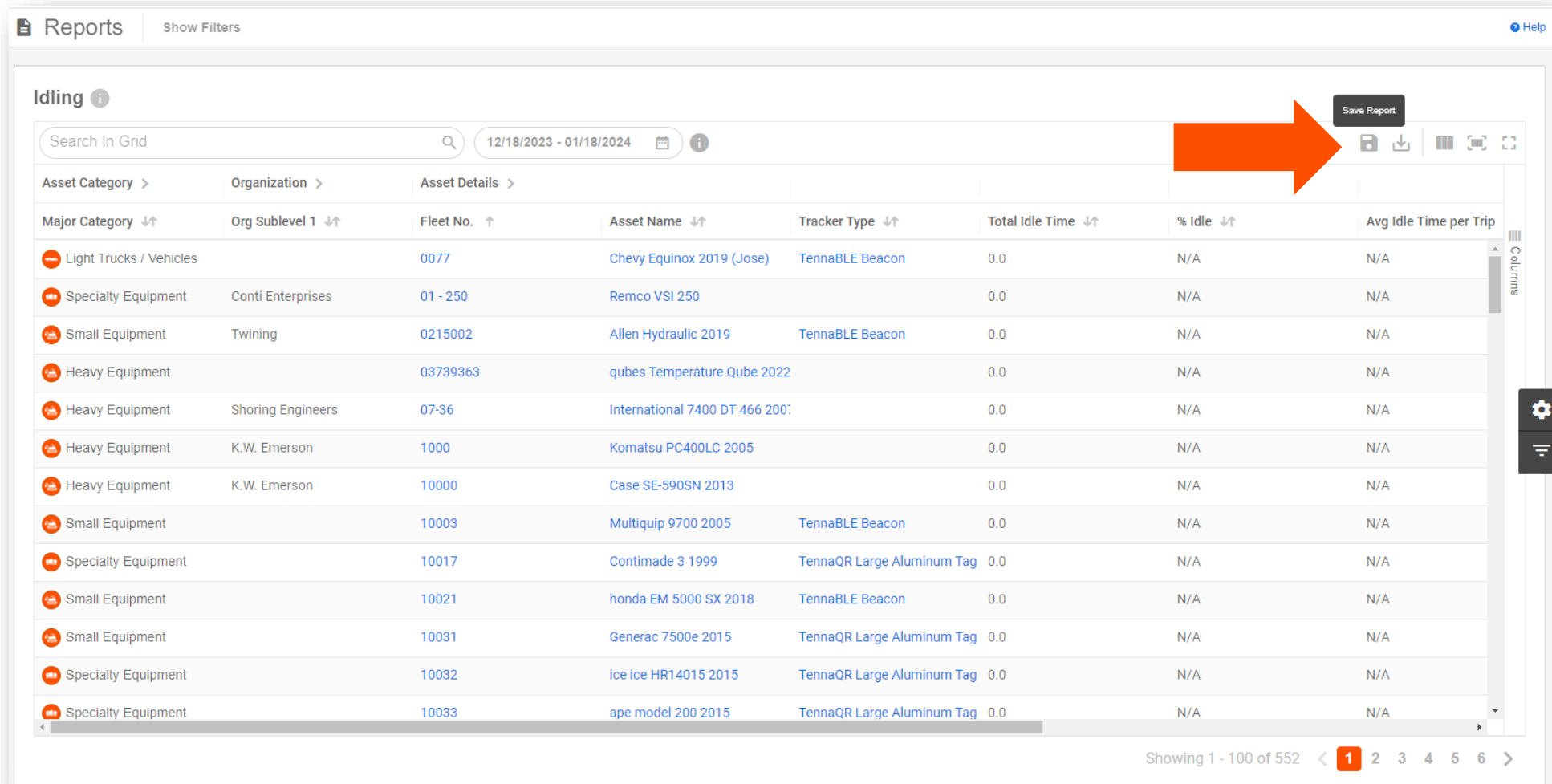
You no longer have to wait for a trip to be completed to see its trip path! Live Trip Preview allows users to see the path the vehicle has been on since the start of its current trip/ignition.

Show or hide the Trip Path on the map and get details like date, time, duration, speed, and Idling or PTO events.

The screenshot displays the Conti Assets management interface. At the top, there is a search bar and navigation options like 'Create', 'Reports', 'Notifications', and 'Settings'. The main section is titled 'Assets' and features a card for a specific asset: '638984 - 2022 Ford F-150'. The card includes a photo of the truck, its status ('OWNED'), and details such as 'Assignee: Trea Turner', 'Site: Newark Airport', and 'Status: Available'. It also shows two 'TennaCam 2.0' cameras with 'ONLINE' status. Below the card is a row of tabs: 'General Info', 'Utilization', 'Fuel', 'Financial', 'Trips', 'Rental Info', 'Schedule', 'Map View' (highlighted in orange), 'Sec. Assets', 'Maintenance', and 'Safety & Comp.'. The 'Map View' tab is active, showing a satellite map with a blue line representing the vehicle's trip path. A speed indicator in the top right corner shows '65 MPH'. A 'Current Trip Overview' panel at the bottom left provides details: '00h 42m 12s', '06/05/2023 - 01:50 PM (EST)', and the location '3802 Meadowview Terrace, St Bonifacius, MN, 55375, US'. A 'RUNNING' status box at the bottom right shows the current location '2045 Lincoln Hwy, Edison, NJ 08817' and 'Heading Nort West Updated less than a minute ago'. The interface also includes a vertical sidebar on the left with various icons and a 'Collapse' button above the map.

Learn More: <https://help.tenna.com/article/529-live-trip-preview>

Best Practice Save Report



The screenshot displays the 'Idling' report in the Tenna Reports application. The report is titled 'Idling' and shows a table of equipment with columns for Major Category, Org Sublevel 1, Fleet No., Asset Name, Tracker Type, Total Idle Time, % Idle, and Avg Idle Time per Trip. The data is filtered for the period 12/18/2023 - 01/18/2024. A red arrow points to the 'Save Report' button in the top right corner of the report grid.

Major Category	Org Sublevel 1	Fleet No.	Asset Name	Tracker Type	Total Idle Time	% Idle	Avg Idle Time per Trip
Light Trucks / Vehicles		0077	Chevy Equinox 2019 (Jose)	TennaBLE Beacon	0.0	N/A	N/A
Specialty Equipment	Conti Enterprises	01 - 250	Remco VSI 250		0.0	N/A	N/A
Small Equipment	Twining	0215002	Allen Hydraulic 2019	TennaBLE Beacon	0.0	N/A	N/A
Heavy Equipment		03739363	qubes Temperature Qube 2022		0.0	N/A	N/A
Heavy Equipment	Shoring Engineers	07-36	International 7400 DT 466 200		0.0	N/A	N/A
Heavy Equipment	K.W. Emerson	1000	Komatsu PC400LC 2005		0.0	N/A	N/A
Heavy Equipment	K.W. Emerson	10000	Case SE-590SN 2013		0.0	N/A	N/A
Small Equipment		10003	Multiquip 9700 2005	TennaBLE Beacon	0.0	N/A	N/A
Specialty Equipment		10017	Contimade 3 1999	TennaQR Large Aluminum Tag	0.0	N/A	N/A
Small Equipment		10021	honda EM 5000 SX 2018	TennaBLE Beacon	0.0	N/A	N/A
Small Equipment		10031	Generac 7500e 2015	TennaQR Large Aluminum Tag	0.0	N/A	N/A
Specialty Equipment		10032	ice ice HR14015 2015	TennaQR Large Aluminum Tag	0.0	N/A	N/A
Specialty Equipment		10033	ape model 200 2015	TennaQR Large Aluminum Tag	0.0	N/A	N/A

Learn More: <https://help.tenna.com/article/539-how-to-run-view-filter-sort-save-and-export-reports#Save-Reports--40KtN>

Maintenance

Maintenance Work Orders

New Work Order flow

The Work Order flow has been simplified

The screenshot shows the 'Create Work Order' form. At the top right, there are 'Cancel' and 'Create Work Order' buttons. Below the title, there are tabs for 'Notes' and 'Attachments', and a 'Work Order Total: \$0.00' indicator. The main section is titled 'Work Order Details' and contains a search bar for 'Select Asset' with a placeholder 'Search by Fleet No., Asset Name, Make, Model, Category or Assignee'. Below this are input fields for 'Work Order Title' and 'Work Order Number (Optional)'. There are also dropdown menus for 'Work Order Status' (set to 'Not Started'), 'Work Order Type (Optional)', and 'Work Order Priority' (set to 'Low'). A rich text editor for 'Description' is at the bottom, with a toolbar showing 'Normal', bold, italic, underline, link, list, and link icons.

Add Multiple Maintenance Requests at once

Make sure to click the “Gear” in the Maintenance Requests to adjust the filters on that panel

The screenshot shows the 'Maintenance Requests' grid. At the top right, there is a '+ New Request' button. Below the title, there is a note: 'In order to finalize the creation of a Work Order, it is necessary to assign or create at least one Maintenance Request for it.' A search bar 'Search In Grid' is present. The grid has columns for 'Request Status', 'Request Title', 'Requested By', 'Requested On', 'Date Needed By', 'Notes', and 'Actions'. A large orange arrow points to a gear icon in the top right corner of the grid, which is used to adjust filters. Below the grid, there is a message: 'To Get Started, Create a New Request.' with a 'New Request' button.

Maintenance Work Orders

Generate Maintenance Requests and Work Orders from the Assets List

You no longer need to go to the Maintenance section of Tenna to get your Work Order and Maintenance Requests created.

The screenshot displays the 'Create Work Order' interface in the Conti system. At the top, there's a search bar and navigation icons for 'Create', 'Reports', 'Notifications', and 'Settings'. The main form is titled 'Create Work Order' and includes a 'Cancel' and 'Create Work Order' button. Below the title, there are tabs for 'Notes', 'Attachments', 'Parts', 'Labor', 'Equipment', 'Service Vendor', and 'Miscellaneous'. The 'Work Order Details' section shows a selected asset (2022 Ford F-150) with a 'OWNED' status. Fields for 'Work Order Title', 'Work Order Number', 'Work Order Status', 'Work Order Type', and 'Work Order Priority' are visible. A description field contains '929588 - Hitachi ZX470LCS-5 Light Equipment / Truck'. Below this, there's a 'Maintenance Requests' section with a 'New Request' button and a search bar. The bottom part of the screenshot shows a table with columns for 'Status', 'Request Title', 'Requested By', 'Requested On', 'Notes', and 'Actions'.

Status	Request Title	Requested By	Requested On	Notes	Actions	
DISPOSED	DR12 - 100x120 Series 2 Drill Rig	N/A	Assignee: None	Site: Disposed	Status: Lease Returned	Tracker: N/A
OWNED	DR15 - 10x15 Series 3 Drill Rig	N/A	Assignee: None	Site: Sandbox	Status: Available	Tracker: N/A
OWNED	DR13 - 10x15 Series 3 Drill Rig	N/A	Assignee: None	Site: Sandbox	Status: Available	Tracker: N/A

Asset Actions

- Create Maintenance Request
- Add to Work Order
- Request
- Dispatch Delivery
- Dispatch Asset Task

The Scheduled Start & End of this Work Order has been modified to reflect your Mechanic Schedule
[Edit Mechanic Schedule](#)


The mechanics you assign will be scheduled automatically for the entire duration of the Work Order.
[View & Modify Mechanic Schedule](#)

Maintenance Work Orders

The "Work Order Title" field has been enhanced with a customizable and unique numbering system.

Automatically increments by one number, starting from your configured initial value.

Work Order Details



OWNED

929588 - Hitachi ZX470LCS-5
Light Equipment / Truck

Select Asset Advanced Selection
638984 - 2022 Ford F-150

Work Order Title Work Order Number (Optional)

Work Order Status: Not Started (dropdown) Work Order Type (Optional): Planned (dropdown) Work Order Priority: Low (dropdown)

Description (Optional)
B I U List List Link

All (992) Upcoming (23) In Progress (10) Overdue (775) Completed (184)


Search In Grid Save View

Status	Title	Work Order No.	Work Order Type	Fleet No.	Asset Name	Major Category	Priority	Actions
PENDING APPROVAL	WO-00366 - OS test wo update status	-	Warranty	2023072	regAPI mVehicle	vehicle Category	High	View ...
NOT STARTED	WO-00348 - test wo new fields i3	-	Warranty	20203071	regAPI mtruck	truck With no trailer	High	View ...
COMPLETED	WO-00363 - test wo create with complete status	-	kjkh	2023072	regAPI mVehicle	vehicle Category	Low	View ...
IN PROGRESS	WO-00365 - OS test wo update nt started 2 inprogress	-	123test123123	2023072	regAPI mVehicle	vehicle Category	High	View ...
PENDING APPROVAL	WO-00362 - OS test wo crate with status pending appro	-	kjkh	2023072	regAPI mVehicle	vehicle Category	Low	View ...

Maintenance Work Orders

Manually adjust Work Order Status when Creating or Editing a Work Order.

Work Order Details



OWNED

929588 - Hitachi ZX470LCS-5
Light Equipment / Truck

Select Asset
638984 - 2022 Ford F-150

Work Order Title

Work Order Status: **Not Started**

Work Order Type: **Planned**

Description

John Doe
Position Title

Search for a specific asset, site or contact

Create Reports Notifications Settings **Conti** Help

Maintenance

Create Work Order Cancel Create Work Order

Notes Attachments Parts Labor Equipment Service Vendor Miscellaneous Work Order Total: \$3,793.57

Work Order Details

Work Order Status

- Not Started
- Not Started**
- In Progress
- Pending Approval
- Completed

Work Order Number (Optional)

Work Order Type (Optional) Work Order Priority (Optional)

Planned Low

New Request

Requested By	Requested On	Notes	Actions
Brea Turner 034859	12/13/2022 - 02:43 PM (EST)	There is a significant leakage...	---
Mike Trout 247859	12/14/2022 - 12:55 PM (EST)	The electrical system in Buildi...	---
Edwin Diaz 837743	12/15/2022 - 05:33 PM (EST)	The scaffolding on the eastern...	---
Nolan Arenado 837764	02/16/2022 - 08:47 PM (EST)	The exterior windows of Buildi...	---
Freddie Freeman 8343	12/17/2022 - 11:23 PM (EST)	The plumbing system in the re...	---
Pete Alonso 003839	12/18/2022 - 02:43 PM (EST)	The fire suppression system in...	---
Jeff McNeil 127937	01/19/2022 - 05:38 PM (EST)	01/19/2022 - 05:38 PM (EST)	---

Showing 1 - 50 of 924

Schedule & Assignments

Scheduled Start: MM/DD/YYYY @ Midnight (TMZ) Scheduled End: MM/DD/YYYY @ 11:59 PM (TMZ)

All Day

Mechanics (Optional)

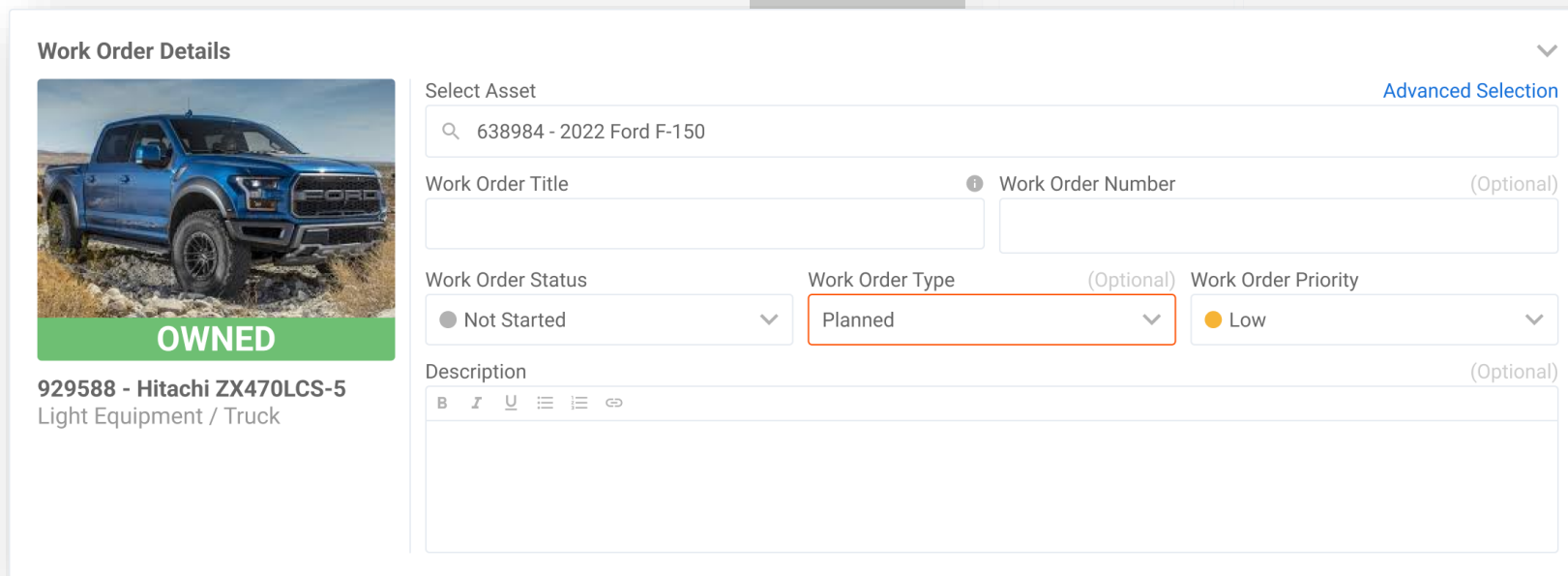
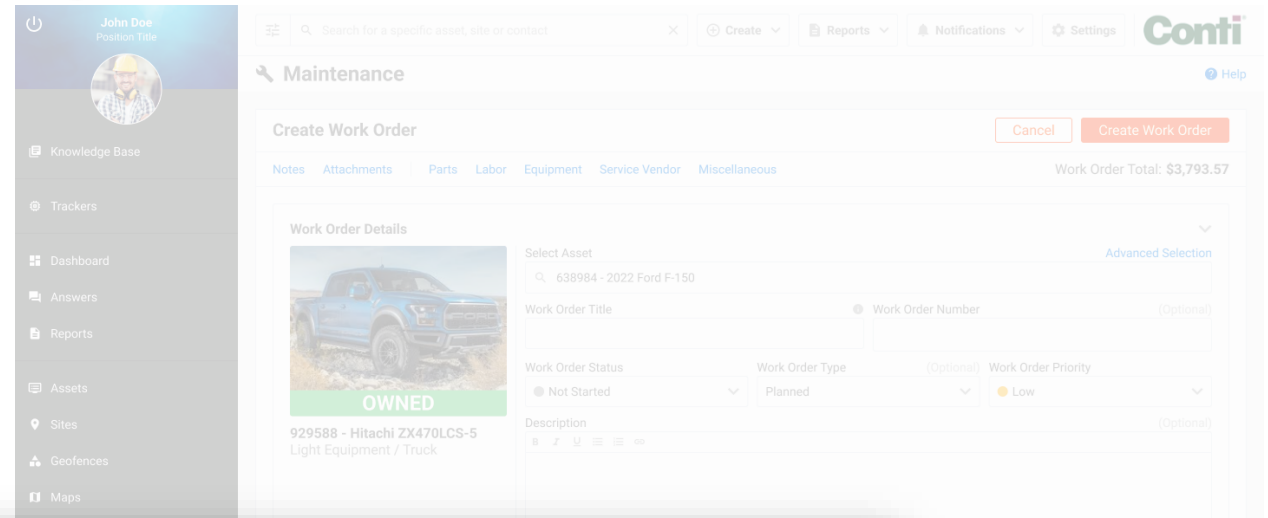
The Scheduled Start & End of this Work Order has been modified to reflect

The mechanics you assign will be scheduled automatically for the entire duration of the Work Order.

Maintenance Work Orders

Categorize your work orders using customizable Work Order Types.

Create these types under Settings.



The Scheduled Start & End of this Work Order has been modified to reflect your Mechanic Schedule
[Edit Mechanic Schedule](#)

The mechanics you assign will be scheduled automatically for the entire duration of the Work Order.
[View & Modify Mechanic Schedule](#)

Preventative Maintenance

Updates to Schedules

New date selection options when creating a Preventative Maintenance Schedule

Create Service Trigger

Creating a service trigger allows your service to be automated

Service Trigger
 Usage Timed

Frequency
 One Time Daily Weekly Monthly Yearly

Every years on the of:

<input checked="" type="radio"/> January	<input type="radio"/> February	<input type="radio"/> March	<input type="radio"/> April
<input type="radio"/> May	<input type="radio"/> June	<input type="radio"/> July	<input type="radio"/> August
<input type="radio"/> September	<input type="radio"/> October	<input type="radio"/> November	<input type="radio"/> December

Starting on

Ending on (Optional)

Preventative Maintenance

Trigger your Preventative Maintenance early

Got an asset in the shop a bit early and want to get your oil change done early? Now you can:

Conti
Maintenance
Create Work Order
Work Order Total: \$3,793.57
Notes Attachments Parts Labor Equipment Service Vendor Miscellaneous
Work Order Details
Select Asset: 638984 - 2022 Ford F-150
Work Order Title: Work Order Number: (Optional)
Work Order Status: Not Started Work Order Type: Planned Work Order Priority: Low
Description: 929588 - Hitachi ZX470LCS-5 Light Equipment / Truck
Maintenance Requests
In order to finalize the creation of a work order, it is necessary to assign or create at least one maintenance request for it.
New Request

Status	Request Title	Requested By	Requested On	Notes	Actions	
	2998.0 miles remaining 10K Mile Fluid Change 2.7.2022		202.0 12.0	Usage/Miles	Every 10,000.0 miles, Starting at 1.0 miles, No ending 100.0 miles	...
	4998.0 miles remaining 5,000 Mile - Oil Change (Test 9.28.21)		202.0 12.0	Usage/Miles	Every 5,000.0 miles, Starting at 0 miles, No ending 250.0 miles	Trigger Reschedule Cancel

Mechanics
The Scheduled Start & End of this Work Order has been modified to reflect your Mechanic Schedule. Edit Mechanic Schedule
Approvers ERP Contact

Preventative Maintenance

More data when Maintenance Requests are generated automatically

Miles Requested At
Hours Requested At
Schedule Data

Field Details

Requested	01/16/2024 - 12:18 PM (EST)
Requested By	Preventative Maintenance
Site Requested For	—
Date Needed By	—
Miles at Requested	12.0
Hours at Requested	202

Description
Requested at: 12.0 miles
Package Title: Early Call PM
Service Title: Test Miles Early Call
Schedule: 410.0 miles
Original Schedule: 1010.0 miles
Service Occurrence: Recurring
Trigger Value: Every 200.0 Miles
Service Gate: Last Service Value
Service Notes:
test

The Scheduled Start & End of this Work Order has been modified to reflect your Mechanic Schedule
[Edit Mechanic Schedule](#)

The mechanics you assign will be scheduled automatically for the entire duration of the Work Order.
[View & Modify Mechanic Schedule](#)

Preventative Maintenance Best Practice

Leverage the Preventative Maintenance page

Want to plan your PM or see what's coming up soon?

Make use of the Preventative Maintenance page, you can order by Next Service to see what services are coming up soon, and plan ahead.

The screenshot displays a web interface for Preventative Maintenance. At the top, there are navigation tabs: Maintenance Requests, Preventative Maintenance (selected), Work Orders, Diagnostic Trouble Codes, and Fault Codes. Below the tabs are two buttons: 'Create Service' and 'Create PM Service Package'. A summary bar shows 'Upcoming (961)', 'Open (174)', and 'Completed (481)'. A search bar labeled 'Search In Grid' is present. The main table is titled 'Asset Details' and has columns for Next Service, Service Title, Fleet No., Asset Name, Current Hours, Current Miles, Current Assignee, Current Site No., and Actions. The table is sorted by 'Next Service' in ascending order. The first row shows a service due in 0.0 hours for a Volvo A40G 6X6 articulated dump truck. The second row shows a service due in 0.0 miles for a Ford F-550 Ford UTL truck, assigned to Edwin Figueroa. The table continues with various other assets and their scheduled services. At the bottom, it indicates 'Showing 1 - 100 of 961' and shows a pagination control with page 1 selected.

Next Service ↑	Service Title ↓↑	Fleet No. ↓↑	Asset Name ↓↑	Current Hours ↓↑	Current Miles ↓↑	Current Assignee	Current Site No. ↓↑	Actions
0.0 hours remaining	1000 Hour Service	1052ADT,2	VOLVO A40G 6X6 ARTICULATED DUMP TRUCK	4955.3	—	—	2200101,2	NC ...
0.0 miles remaining	7500 Mile Service	1110MT,2	FORD F-550 FORD UTL TRUCK 2016	3825.8	79312.0	Edwin Figueroa	2203700	BF ...
0.1 hours remaining	500 Hour Service	3543,1	ALLMAND NL8	8095.9	0.0	—	1200	Ea ...
0.2 hours remaining	500 Hour Service	3391,1	SANY SCC8300	11203.8	200.1	—	1214	Du ...
0.2 hours remaining	2000 Hour Service	3391,1	SANY SCC8300	11203.8	200.1	—	1214	Du ...
0.2 hours remaining	1000 Hour Service	3391,1	SANY SCC8300	11203.8	200.1	—	1214	Du ...
1.0 hours remaining	100 Hour Service	3904,1	LANDA TS1511	0.0	0.0	—	1214	Du ...
1.0 hours remaining	1000 Hour Service	2411,1	CATERPILLAR H90C	0.0	0.0	—	1200	Ea ...
1.0 hours remaining	500 Hour Service	127626F,1	Cat B1H07627 2017	0.0	0.0	—	—	Nc ...
1.0 hours remaining	100 Hour Service	3162,1	BIDWELL SCD 1995	0.0	0.0	—	1200	Ea ...
1.0 hours remaining	100 Hour Service	2014,1	BIDWELL SCD 2004	0.0	0.0	—	1200	Ea ...

Questions?

2023 Product & Engineering Accomplishments

New Software Products

- Custom Inspections
- Asset Activity
- Asset API
- Gorilla ELD Integration
- Sunbelt Integration

New Hardware Products

- TennaMINI 2.0
- TennaCANbus Tracker
 - CANbus + AEMP
 - External PTO Tracking
- TennaCAM 2.0
 - Auxiliary Cameras
 - Custom Configuration
- Verizon carrier (TennaFLEET II, TennaCAM 2.0, TennaCANbus)
- Tenna StormBox
- Tenna Cage 2.0

Major Enhancements

- Real-time geofencing
- Net Working Hours Report
- Idling Report v2
- Fuel Report v2
- Fault Codes & DTCs Report
- Project Utilization Views Report
- Work Order v2
- Data Access Controlled Notifications
- Site Utilization for AEMP assets
- Preventative Maintenance Packages
- Mechanic Certification
- Tracker Health & Notifications
- Tracker Warranty Tracking
- Edit Approved Requests
- Site Schedule
- Premium Products Marketing Landing Pages
- Maps – Asset clustering
- Trips/Cycles View
- Live Trip Preview
- TennaCAM 2.0 – Obstruction Detection, Live Streaming
- Procore Integration Configurations
- Tenna Tracker Firmware Upgrades
- Warehouse App Enhancements

Mobile Enhancements

- Create/Edit Work Order
- Search Optimization
- Maps – Asset clustering, asset listing
- Tracker Installation photo capture
- DVIR – Multiple Trailers support

Tenna Knowledge Base

Resources on these topics (and more!) can be found in our help library

Assets Show Filters Quick Filters: None

Re-Assign Re-Categorize Transfer Status Group Delete

Create Asset

Assets: 998 of 998 List View Asset Name (Asc. A-Z)

Help

6:36 More

Map View

Knowledge Base
Get all your Tenna knowledge here.

My Schedule
View your personalized schedule.

View Maintenance Requests
Log your quick maintenance actions per asset.

View Work Orders
List of work orders with varying statuses.

Dispatch Events
View a list of all dispatches.

Requests
View and create requests.

Home Camera Add Search Help

TENNA Contact

Can't find it? Call Tech Support 888.836.6269

Search the knowledge base Search

 Release Notes We are constantly improving Tenna for our customers. Get the latest details! 16 articles	 Live Launch View our most recent Tenna Live Launch Webinars. 15 articles	 TennaU Training View previously recorded TennaU Training sessions. 12 articles
 Getting Started: Individual Account Setup Start here to get your account up and running in the Tenna Platform! 11 articles	 Onboarding: Company Account Setup Onboarding Part 1: Setting up your Company Account 14 articles	 Onboarding: Operations Setup Onboarding Part 2: Setting up your Operations 9 articles

Poll

What is your preferred method of learning?

More
Chances
To Learn

Tenna Live Launch

Thursday
February 15th at 1 PM EST
[Check your inbox!](#)

Poll

What topics are you interested in covering in future Tenna training sessions?

Customized Advanced Training



We offer a variety of product-focused training packages so you can get the most out of Tenna!

Customize training to fit your business. Having a hard time getting the field to use the Tenna App? Take advantage our professional services to help build a roll out plan and create workflows to maximize adoption!

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/>

TENNA SHOP



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

NDA Demolition
March 6-9
San Antonio, TX

ABC Annual
March 13-15
Kissimmee, FL

**AGC Annual
Convention**
March 19-22
San Diego, CA

Thank You

