

Open API & Integrations

TennaU July 2024



Meet the Team



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



Tyler



Katie



Ron



Tom

Agenda

Open API

- General Overview
- Available Endpoints

Integrations

- General Overview
- How We Integrate
- Current Tenna Integrations

Poll

Who is joining us today?

Open API

Open API

What is an Open API?

An Open API is a publicly available service that provides developers with programmatic access to an external web application.

What is the Tenna Open API?

The Tenna Open API allows you to retrieve Tenna data to use in your own systems.

Who can use the Open API?

The API is accessible to anyone, but is intended for use by data scientists, systems analysts, IT admins, or similar.

Use Cases

- Data warehousing and visualization tools
- Compliance and archiving
- Third-party integration

Open API

Important Notes

- The Open API does not return live data.
The Open API is based on a periodic snapshot of Tenna data (currently taken nightly).
- The Open API is read-only.
It only allows data to be read from Tenna; it does not allow data to be written back to Tenna.
- Data Access Control (if licensed for your account) does not apply to the Open API.
All data within the account can be accessed by the API.
- The Open API enforces rate and query limits to prevent misuse.

Does the Open API replace the Assets API?

No, they serve two very different purposes. The Assets API returns a subset of asset attributes, updated as frequently as possible, in ISO 15143-3 (AEMP) format. The Open API returns a much broader set of data, for assets and many other entities, on a scheduled basis, in an open JSON format.

Open API

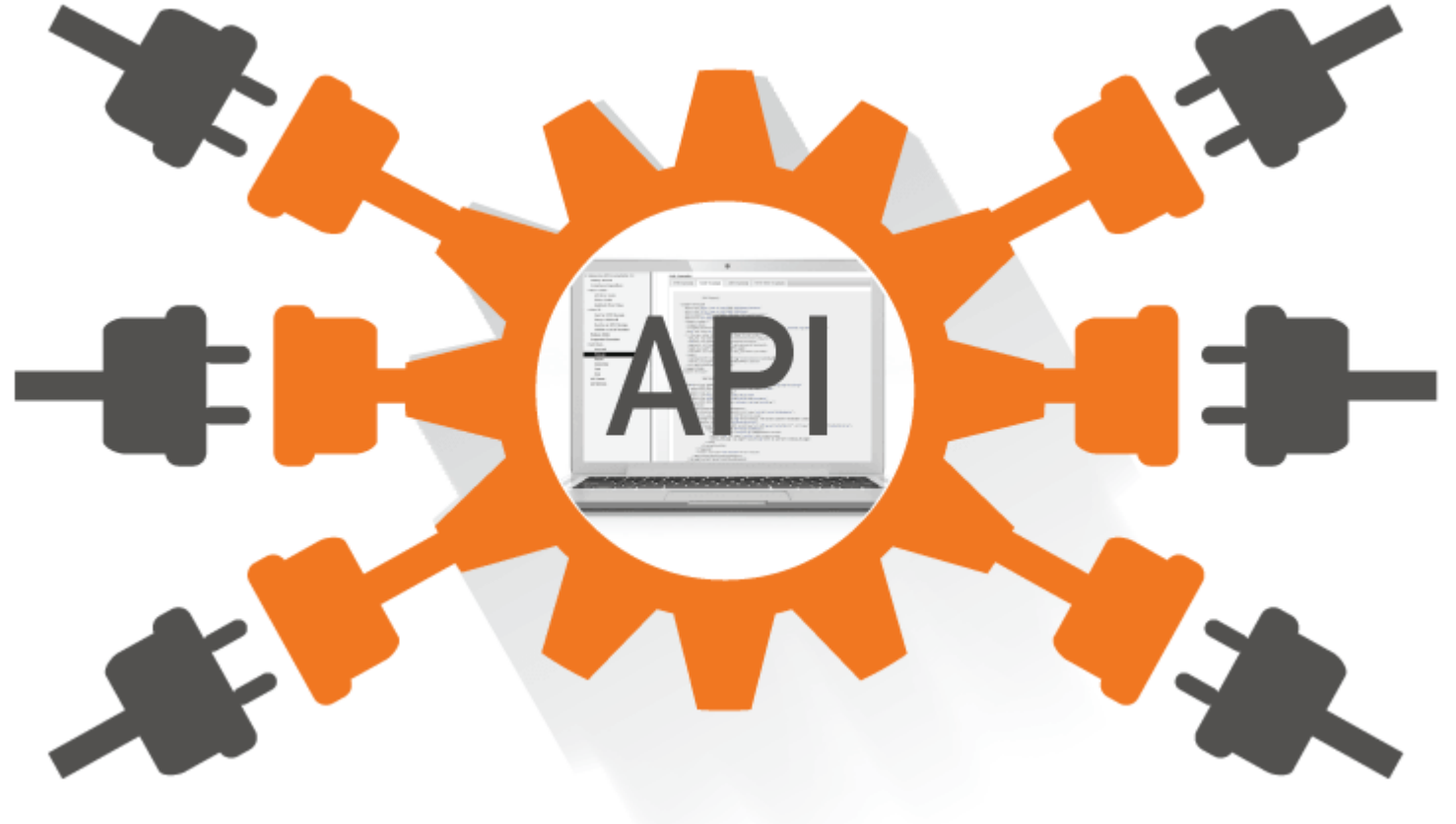
Available Endpoints

Currently:

- Fuel entries
- Timecards and time entries
- Trips and tracker points

Upcoming:

- Assets
- Cost codes
- Geofences
- Inspections
- Resource management
- Safety & compliance
- Sites
- And more...



Integrations

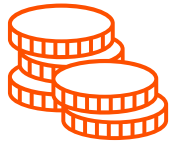
Why Integrate?

Reduce Time & Improve Accuracy

- Time management
- Improved data accuracy
- Information where needed
- Critical utilization benefits
 - Billing to projects
 - Actual utilization vs. reported utilization for TCO
- Improve Bidding
 - Drive better margin
 - Free up capital for investments
- Improved employee morale
- Technology often removes mundane tasks that employees loathe



Types of Integrations



ERP (Accounting Systems)



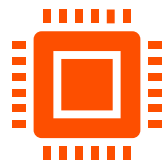
Project Management



Original Equipment Manufacturer (OEM)



Single Sign On (SSO)



APIs



Industry Resources

Tenna Integrations

Enterprise Resource Planning (ERP) Accounting Systems



Project Management



Tenna Integrations

OEM Integrations

JDLink™



KOMTRAX

TAKEUCHI

VOLVO

Rental Providers



United Rentals

Single Sign On (SSO)



Industry Resources



APIs

- Asset API
- Open API

Tenna Integrations

OEM Integrations

The AEMP (Advanced Equipment Management Protocol) from ISO 15143-3 standard is a framework designed to facilitate seamless communication and data exchange between heavy equipment and management systems.

It enables real-time monitoring and reporting of equipment performance, location tracking, fuel usage, maintenance schedules, and other critical operational data.



Limited scope of specific Telematic data:

- Typical available data: Location (GPS coordinates), Fuel data, Utilization data, Idle time, and DTC/Fault codes
 - *Not all OEMs return all available data.
- Frequency of data retrieval dependent on Telemetry device / subscriptions / AEMP version used and other factors.
- Tenna makes calls to OEM every hour response dependent on above.

Tenna Integrations

Rental Providers

Sunbelt and United Rental provide data in the AEMP 2.0 format

Assets must be in the rental provider's portal to be included in the Tenna OEM integration data

Limited scope of specific Telematic data


- Data provided is limited to the Rental **Provider's policy**
- Frequency of data retrieval dependent on Telemetry device / subscriptions / AEMP version used and other factors.
- Tenna makes calls to Rental Provider every hour response dependent on above.

Boom & Bucket Integration



Boom & Bucket is a digital equipment dealer focused on heavy equipment and is changing the way that contractors buy and sell used heavy equipment.

Tenna partners with Boom & Bucket to enhance the Asset Details financial experience via API Integration.



128047,1 - 303.5E2 Mini Excavator
Heavy Equipment / Excavator / Mini
2001 Tonnele Ave, North Bergen, NJ, 07047, US
Last reading: 07/25/24 - 07:46 AM (EDT)
No Label
Assignee: N/A
Site: GDC23-002 Tonnelle Ave OH Bridge and Utility Relocations
Status: In Use
Organization: N/A

TennaCANbus
ONLINE
[View Details](#) | [View Insights](#)

- General Information
- Utilization
- Fuel
- Financial**
- Trips / Cycles
- Map View
- Schedule
- Parts
- Maintenance
- Safety & Compliance

Collapse ^

Auction Value	Estimate	Retail Value	Estimate
\$19K	\$28,267	\$25K	\$38,092
\$36K		\$49K	

Powered By BOOM & BUCKET

[Sell w/ Boom & Bucket](#) [Download Report](#)

Questions?

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

Assets: 998 of 998

List View Asset Name (Asc. A-Z)

Create Asset

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.

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

Next product release coming soon!

Tenna Live Launch
August 16th at 1 PM EST
[Check your inbox!](#)

How's your Tracker Health?
Don't know, then contact us for
Tracker Insights
Training Session!

Poll

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

Stay
Connected

TENNA SHOP

LinkedIn Group 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



Thank You

