

**Asset Tracking Unit (ATU)  
with FleetVu Manager Cloud Service Bundle**

**North Carolina Sheriffs' Association**  
**“Technology Procurement Program”**

**Bid Number 22-01-0303**

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Submitted by:



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## Asset Tracking Unit (ATU)

Digital Ally, Inc. is proposing the Asset Tracking Unit (ATU) with FleetVu Suite cloud storage for your consideration. The Asset Tracking Unit (ATU) is small, compact, and lightweight. It can be wired into the vehicle or connected to the vehicle's OBDII Port. The ATU is plug-and-play and will work immediately after it is connected to a vehicle. The ATU tracks in real-time and a supervisor or administrator can monitor events as they occur. The ATU combines road safety systems with video by pairing GPS and sensor triggered data to recorded video.

The Asset Tracking Unit can provide real-time location information for one or multiple vehicles on a single interactive map in FleetVu Manager Cloud. The ATU can also display driving behaviors such as direction changes, traveled path, speed, acceleration, braking, geofences, high G-force incidents, etc. during real-time tracking. The ATU is designed with the capability to send email and SMS alerts about real-time driving behaviors to a supervisor or system administrator. A virtual barrier or geofence can be created with the ATU and a supervisor or administrator can be alerted in real-time by email or SMS when a driver goes outside the geofence.

### Key Asset Tracking Unit Features:

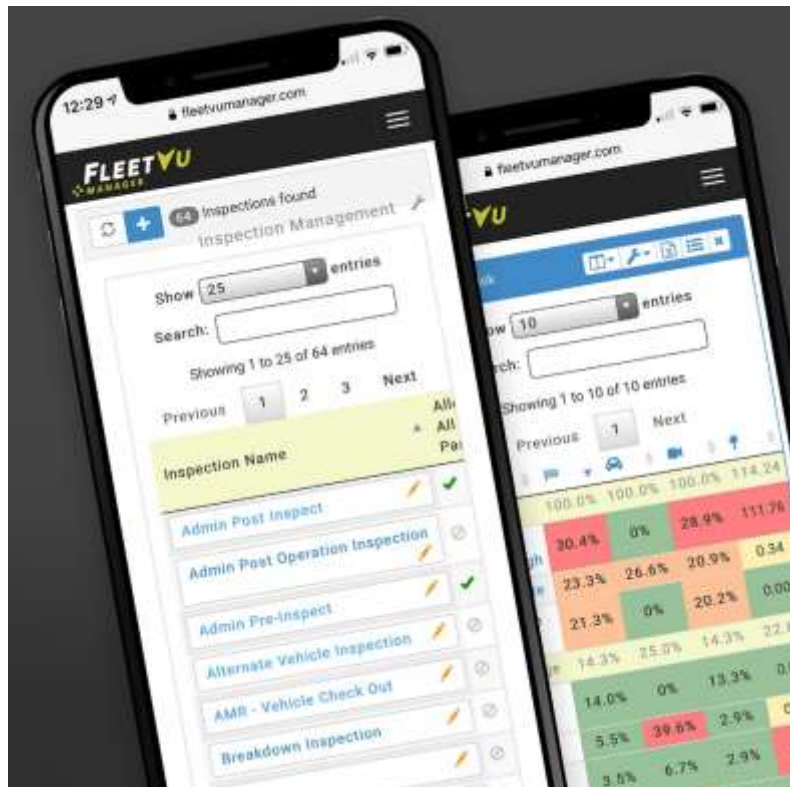
- Real-Time Monitoring and Reporting on Driver Behavior
- Administrator Configurable and Programmable Alerts
- 3-Axis Accelerometer
- Easy and Discrete Installation
- LTE Wi-Fi Hotspot Capability
- Multi-Carrier options
- Power Saving Mode
- Backup Battery
- Wireless Firmware Upgrades



Geofences in FleetVu.com

## Specifications for the Asset Tracking Unit

<b>LTE</b>	Cat-4 EC25-A: B2/B4/B12 EG25-G: LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/ B19/B20/B25/B26/B28 LTE-TDD: B38/B39/B40/B41 Output Power: 23dBm±2.7dBm
<b>GSM</b>	GSM850/GSM900/DCS1800/PCS1900 Output Power: GSM850/900: 33dBm±2dBm DCS1800/PCS1900: 30dBm±2
<b>Device Control and Reporting</b>	HTTP/TCP/UDP/SMS
<b>GPS Sensitivity</b>	-162dBm Tracking Sensitivity Accuracy(Open Sky): < 2.5m (CEP50)
<b>Comprehensive IO's</b>	4 Inputs / 4 Outputs / 2 A/D Inputs and 3 UARTS
<b>Wi-Fi</b>	802.11 a/b/g/n/ac Maximum Speed 150Mbps AP (Max Access Point): 10 Encryption Modes: WEP, TKIP, AES, WPA-PSK, WPA2-PSK
<b>Operational Temperature Range</b>	-20 C to +65 C or -4 F to 149 F
<b>Motion Detection</b>	Built in 3-Axis Accelerometer
<b>Power Consumption</b>	- Active mode: <32 mA @12VDC - Sleep mode: <22 mA @12VDC
<b>Battery capacity</b>	300 mAh
<b>Supply Voltage</b>	6-42 VDC
<b>Storage temperature(Without battery)</b>	-40 C to 85 C or -40 F to 185 F
<b>Housing Dimension / Weight</b>	90mm x 55mm x 18mm (3.54in x 2.17in x 0.70in) / 65g (2.29oz)
<b>Certificates</b>	PTCRB, FCC, RoHS



## **FleetVuManager**



### **CLOUD BASED SOFTWARE**

#### **Complete Video & Telematics Management Solution**

Digital Ally provides commercial fleets and commercial fleet managers with the digital video tools they need to increase driver safety, track assets in real-time and minimize the company's liability risk. Choose from two packages; Video Event Package, Asset Tracking Package, or choose to optimize your ROI by utilizing the Complete Solution that combines the power of both.

### **VIDEO EVENT PACKAGE**

#### **Manage your Fleet's Video Events**

Our Video Event Package enables agency managers to easily monitor their fleet of vehicles and driver performance. Users can store and manage video, update firmware & wireless configurations while using features such as mapping & reporting and creating driver score cards.

### **DISASTER RECOVERY**

Ensuring your data will always be protected and accessible is our number one priority; that is why we have built FleetVuManager.com on the most trusted web service around. Amazon Web Services supplies three locations separated on the east and west coasts where all of your data will be copied and 100% secured. If one of the locations is wiped out by a natural disaster, your information will still be secured in two alternate locations states away. Any and all of the information that was flowing to that particular location will be directed to substitute locations.

## ENVIRONMENTAL SECURITY FEATURES

Amazon Web Services (AWS) data centers utilize innovative architectural and engineering approaches. Each data center is equipped with fire detection and suppression, power failure back-ups climate and temperature controls, and electrical and mechanical management. When a storage device reaches its end of life security measures are taken by Amazon to ensure that data is not exposed to unauthorized individuals. Amazon security platforms also host around the clock surveillance to ensure data locations are secure.

In case of failure, automated processes move data traffic away from the affected area to an alternate secure location. AWS is designed to tolerate system or hardware failures with minimal to no impact to users.

## FLEETVUMANAGER.COM Cloud

FleetVuManager.com is a cloud-based application hosted by Amazon Web Services (AWS). It provides a fully modular, customizable, and user-friendly interface to securely manage your fleet and drivers, from vehicle inspections to telematics to incident video review. FleetVuManager.com includes three services: a FleetVu Mobile driver app, Fleet Vu Cloud video storage and fleet management, and FleetVu Manager asset tracking and telematics tools.



FleetVuManager.com propagates robust real-time fleet telematics information along with your vehicle inspections into the customizable cloud platform. FleetVu Manager includes live asset tracking, event mapping, powerful reporting tools, posted speed violations, real-time customizable alerts such as idle time, speeding, collisions, towing, etc.



FleetVuManger.com Cloud allows easy management of fleet and driver performance data and video. It also optimizes ROI efficiency and educates your team to reduce driving accidents and costly behaviors associated with them. FleetVu Cloud stores and provides capability to manage fleet video along with drivers,

equipment, reporting, powerful mapping and vehicles in the cloud. Video system firmware and configurations will load wirelessly.

FleetVu Mobile includes the capability for customizable inspections to provide immediate interaction with FleetVu Manager and/or FleetVu Cloud. This interaction allows management and maintenance teams the ability to seamlessly manage vehicles on a daily basis. FleetVu Mobile includes pre- and post-operation inspections with text and/or email alerts immediately notifying management of unsafe conditions. FleetVu Mobile also includes breakdown/in-operation inspections, maintenance requests, and can automatically pair drivers/vehicles.

FleetVuManager.com telematics cloud-based solution has the ability to switch between a road map and an aerial image that is capable of zooming to at least 1:1000. The map is able to display one or multiple vehicles, vehicle information, geofences, geofence information, and zoom to selected features. The map is also able to display vehicle history for a selected time frame. FleetVuManager.com includes the capability to edit speed limits for road sections and the ability to directly access a street view.

FleetVuManager.com has the capability to create a multitude of reports, including Driver Reports, Branch Reports, Vehicle and Equipment Reports, Events Reports, and FleetVu Mobile Reports. It is able to create reports by date, time, month, or specified time period. These reports can be selected by vehicle, by crew, by geofence, and by triggered events, such as speeding, or excessive idle. Reports can be created based on defined periods for vehicle engine hours, engine idle time, days

used, and miles traveled. Reports can also be created on vehicle maintenance, vehicle details, organization structure, application user history, and device functionality. Reports can be customized by information and columns.

## FleetVu Suite

The FleetVu Suite provides a fully modular, customizable, and user friendly interface to securely manage your fleet and drivers, from vehicle inspections to telematics to incident video review. FleetVu Provides three options: a driver app, cloud video storage & fleet management, and asset tracking & telematics tools.

### FLEETVU MOBILE

FleetVu Mobile customizable inspections provide immediate interaction with FleetVu Manager &/or FleetVu Cloud and your management & maintenance teams to seamlessly manage vehicles on a daily basis.

- Pre / Post-operation inspections (text &/or emails immediately notify management of unsafe conditions)
- Breakdown / in-operation inspections
- Maintenance requests
- Automatically pairs drivers/vehicles

### FLEETVU CLOUD

FleetVu Cloud allows easy management of fleet and driver performance data and video anywhere with an internet connection. Optimize ROI, efficiency, and educate your team to reduce driving accidents and costly behaviors associated with them.

- Store and manage fleet video along with drivers, equipment & vehicles in the cloud
- Load video system firmware and configurations wirelessly
- Powerful mapping and reporting
- Driver scoring and more...

### FLEETVU MANAGER

FleetVu Manager propagates robust real-time fleet telematics information along with your vehicle inspections and video into the customizable cloud platform.

- Live asset tracking / event mapping
- Posted speed violations
- Real time customizable alerts such as idle time, speeding, collisions, towing, OBDII engine, location, etc.
- Powerful reporting tools
- And more...

## FleetVu Suite Capabilities & Features Overview

The FleetVu Suite provides a fully modular, customizable, and user-friendly interface to securely manage your fleet and drivers, from vehicle inspections to telematics to incident video review. FleetVu Provides three options: a driver app, cloud video storage & fleet management, and asset tracking & telematics tools.

<b>Capabilities &amp; Features Overview</b>	<b>FleetVu Manager <i>Asset Tracking/Telematics</i></b>	<b>FleetVu Cloud <i>Storage &amp; Management</i></b>	<b>FleetVu Mobile <i>Driver App</i></b>
Automatically Assigns Driver to Vehicle	Requires App to Log in to Different Vehicles	Requires App to Log in to Different Vehicles	✓
Vehicle Inspections & Service Requests	View Submissions in Reports	View Submissions in Reports	✓
Manage, Configure, & Update Recorders	✓	✓	
Informative Driver, Incident, Etc. Reports	✓	✓	
View Individual Driver Performance Data	✓	✓	
View Automated Driver Risk Data	✓	✓	
View Incident Video by Driver, Type, Etc.	✓	✓	
Incident Notes & Searchable Custom Fields	✓	✓	
Customize Geo-Fencing Alert/Trigger	✓	✓	
View Route Maps of Recorded Incidents	✓	✓	
View Current Vehicle & Incident Locations	✓		
Real-Time Incident Notifications	✓		
Export Video Clips from Cloud to Computer	✓	✓	
Security Features & Authentication	✓	✓	✓