

User guide – FAMA V4

ADD-D-065-02

LISTE DE DIFFUSION

<input checked="" type="checkbox"/> Interne	<input checked="" type="checkbox"/> Externe	<input type="checkbox"/> Restreinte	<input type="checkbox"/> Libre
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MAITRISE DU DOCUMENT

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Description

This guide allows users to understand the use of FAMA on GSEs.

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1 Presentation


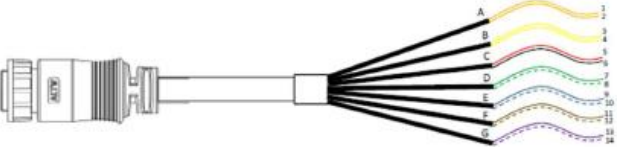
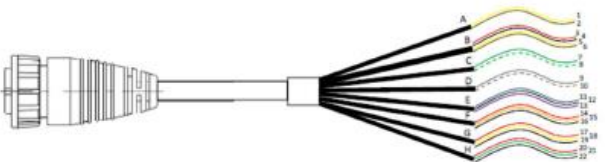




ADVEEZ FAMA V4 (Fleet and asset management for airport) is a fleet management system for powered assets. It is a global connected solution adaptable to any powered GSE (ground support equipment) fleet in order to collect data, in real time, and contribute to digitalize operators and equipment activities. Easy to install and maintain, upgrades can be executed remotely thanks to the Over-The-Air feature. Thus, reliable data collection combined to analysis enhance operational efficiency and cost savings.

All data is retransmitted on the website Localeez. This platform allows data visualization in real time: positions, data report, event report...

The access control can be activated, it allows the accreditation of drivers: handsfree tag, EM card or Mifare tag. The handling of drivers' credentials is done with Localeez

The FAMA V4 configuration is done by LHC software (Localeez Hardware Configuration) with a PC, an internet connection and a BLE dongle.

The FAMA V4 is made of several elements, some of them are optional:

FAMA V4	
Main cable (14 contacts)	
Additional cable (22 contacts)	
Access control cable (10 contacts) (if HID reader)	
HID reader or ADVEEZ reader with access control cable (10 contacts)	
Radio/GPS antenna	
Key contact (shunt)	

2 Use GSEs with Fama V4

The functionality of the GSE doesn't change unless the access control is activated or the zones are configured.

2.1 Access control is enabled

In this case you have to follow these steps to use the GSE:

- 1- Put the contact or press the dead man pedal in the GSE



Figure 1 : Keys contact



Figure 2 : Dead man pedal

- 2- Then you must show an allowed tag to the reader
 - a. If you use the Advvez reader (handsfree or EM tag detection): pass the tag or approach the handsfree near the reader



Figure 3 : Advvez reader

- b. If you use HID reader: the reader must light up the red led, then you can show the Mifare tag



Figure 4 : HID reader

- 3- The GSE starts and the LED is green on the reader (HID or Advwez reader). Several exceptions can occur:
- ➔ The GSE is bypassed with maintenance key: you don't need tag to start
 - ➔ The reader beeps or blinks but doesn't pass in green: the tag is not accredited to start the GSE
 - ➔ The orange LED on the Advwez reader is solid ON when you show the tag: the GSE is halted (in Localeez) and nobody can drive (you need to use the maintenance key to bypass the system in order to drive the vehicle).
 - ➔ The HID reader doesn't light up: the GSE is halted (in Localeez) and nobody can drive (you need to use the maintenance key to bypass the system in order to drive the vehicle).

2.2 Zone configured

In Localeez several zones are configurables and automatism can be created and can change the behavior of the GSE according to the type of zone.

Several types of zones can be created

- Intrusion
- Jail
- Speed trap
- Maintenance
- Allocation
- Turtle

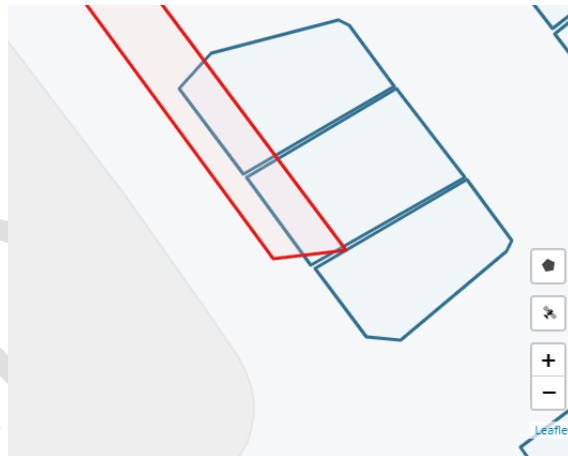


Figure 5 : Zone

More automatism can be created and more behaviors/actions are possible:

- ➔ The GSE can slow down if you enter in a turtle zone
- ➔ The GSE status is "in maintenance" if it enters in maintenance zone (nothing is happening on the GSE it is just an information)
- ➔ The GSE status is "allocated" if it enters in an allocation zone (nothing is happening on the GSE it is just an information)
- ➔ The GSE can slow down (or a buzzer can be enabled) if its speed is higher than the configured limit in this zone
- ➔ The GSE stops if it enters in a jail zone
- ➔ The GSE has the forward gear disabled if it is in an intrusion zone (only reverse gear is possible)

3 Use Localeez platform

Localeez is the internet platform. It allows data management: add GSEs, add driver, reports, display information...

You can follow the GSEs in real time:

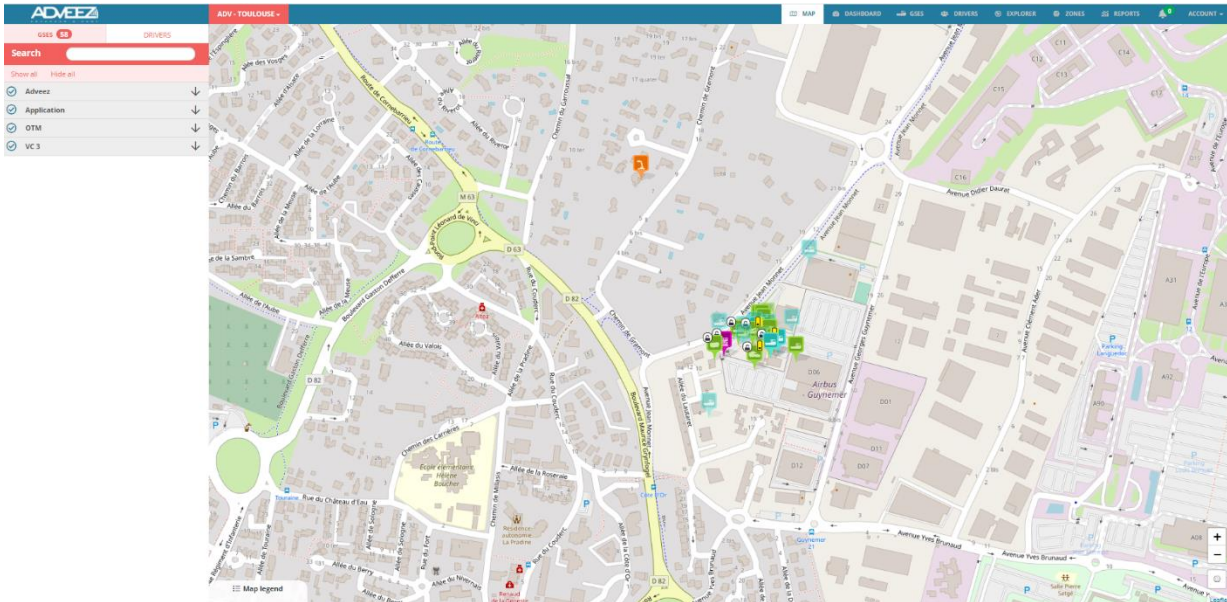


Figure 6 : Localeez website

Depending on the status of the vehicle, the colors will change:

- Available: the vehicle is not used
- In use: the vehicle is used by someone
- Unassigned equipment: the vehicle does not have an assigned FAMA
- Is moving: the vehicle is moving without being used
- In idle: the vehicle is used but does not move for a defined time
- Ignition is on: the vehicle isn't in use but the ignition is on (not concern the FAMA V4)
- Allocated: the vehicle is not used but in a mobilization zone
- Is working: the vehicle is in work mode (example: belt rotating on the belt)
- In maintenance: the vehicle is in a maintenance zone or has been defined for maintenance by an user
- Is halted: the vehicle has been immobilized by an user, it will therefore be impossible to use this GSEs without the maintenance key
- Low battery: the internal battery in the FAMA is low
- Is shunted : the maintenance key has been used, access control is no longer necessary to be able to drive
- Turtle mode: the turtle input has been activated on the GSE according to its position and a drawn area



Figure 7 : Map legend

You have access to several details in the information tab such as the hourmeter, the activation of access control, the use of the maintenance key, the energy level...

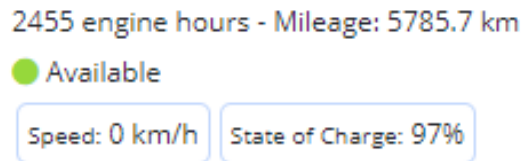


Figure 8 : GSE information

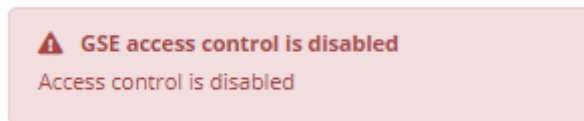


Figure 9 : Access control information

You will find the list of events. You can make a track to see the path and the distance traveled.

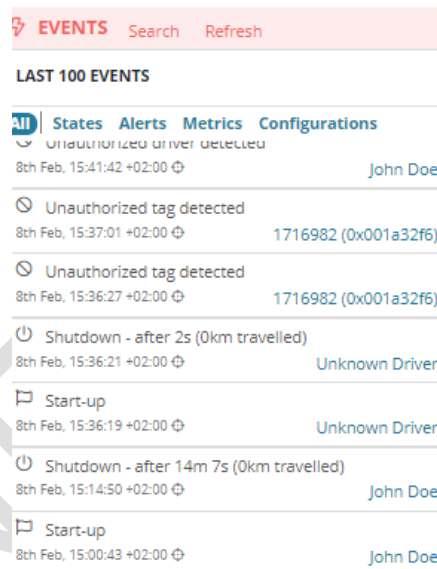


Figure 10 : List of events

4 FCC and ISED regulations

FCC: This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions : (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

A separation distance of at least 200 millimeters must be maintained between the device and the body of the user or nearby persons.

ISED: This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada’s licence-exempt RSS(s). Operation is subject to the following two conditions:

- This device may not cause interference.
- This device must accept any interference, including interference that may cause undesired operation of the device.