reliable technologies

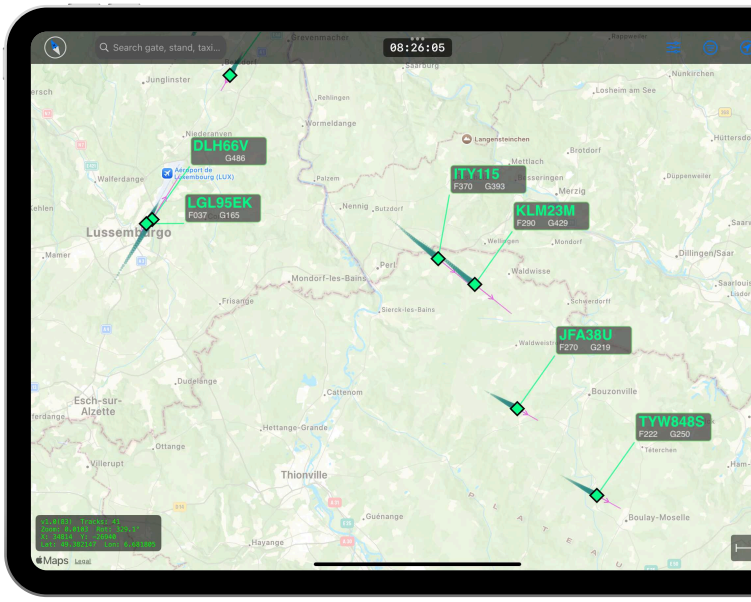
SAGRA

Situational Awareness for Ground and Air

Drivers and controllers' plug in solution for Real-Time Ground and Air Traffic Awareness

Highlights

- Supporting airport drivers in real time **traffic awareness**
- Low Visibility **(LVP)** and **CAT II / CAT III** operations
- Continuous monitoring of **runway protected areas**
- **2026 HMI** with web based customization editor
- Download and installation in **5 minutes,** no wiring required
- Integrating **all ASTERIX** standard ATC categories, PSR, SSR, ADS-B, MLAT, multiradar
- Versions: **desktop** / **mobile**, **Web** / **APP**
- Supports **A-SMGCS** L1 & L2 functionalities, open to higher levels of integration
- Ultimate **fallback** solution for ATC systems
- **Live** and **playback** mode
- Fit for **education**, **simulation** and **training**



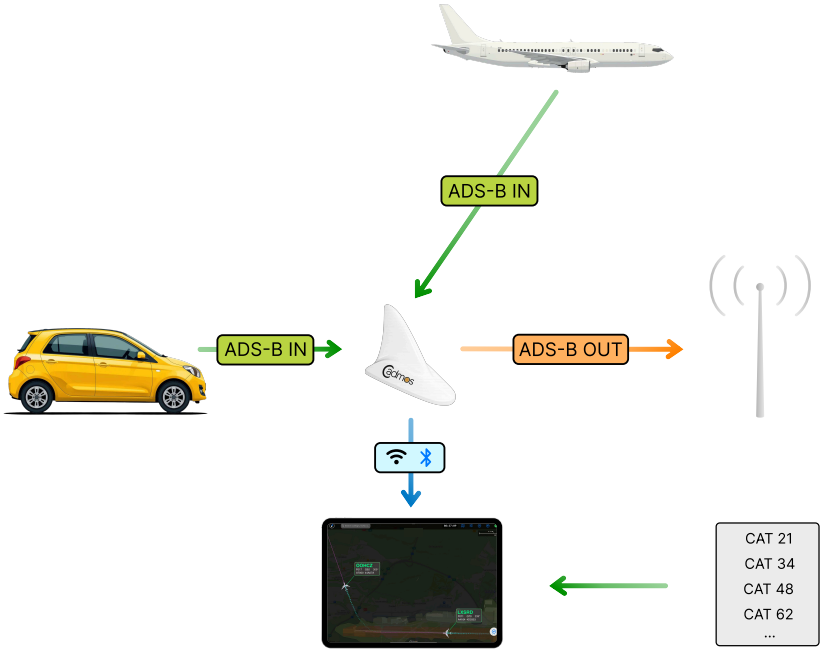
PRODUCT OVERVIEW

SAGRA is a unique **portable application for service vehicle drivers**, ATC and airport controllers designed to **enable awareness, safety** within ground and approach operations.

SAGRA provides alerts, advices and complete awareness of surroundings: you can receive authorization and follow SAGRA routing instructions and safety indications.

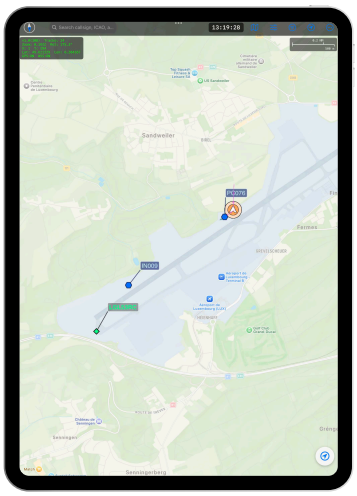
OPERATIONAL CONCEPT

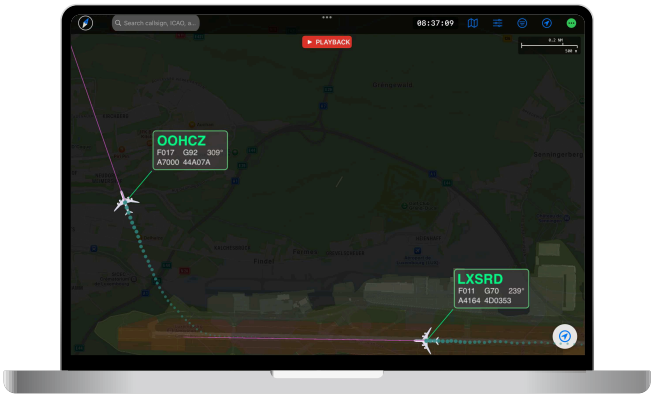
SAGRA integrates all the **data coming from ADS-B transmitters** but it also processes all the **main ASTERIX categories**, including Multilateration, primary and secondary radars and the multi radar system tracks (CAT62). Upon application start, SAGRA updates all the eventual changes in configuration and automatically shows all the traffic information.



The vehicle version automatically connects via **bluetooh** or **wi-fi** with the vehicle transceiver. SAGRA is capable to **receive and connect with all the 1090 airport vehicles devices**, and CADMOS is also proposing a complete integrated solution 1090 transceiver + application.

SAGRA can be installed in two different configurations, **mobile** and **desktop**: the first is mainly intended for airport vehicles and runs either on mobile tablets or via carplay but it can also be used as portable position for airport and approach traffic monitoring, while the desktop version is provided on ATC tower and control rooms. SAGRA is also available as a **web application**, running on any web browser and providing all the HMI features of state of the art CWP, browsing, filters, distance, zoom and rotate, lists, QNH and TL, integration with ACC/APP FDP, alerts and warnings, etc.





SPECIFICATIONS

APP mobile version	Running on iPad, iPhone
APP desktop version	Running on Mac
Web version	Running on any web browser
Supported formats	All ASTERIX standard categories
Integrated standard maps	Google, Apple, OpenStreet, etc.
Configuration capabilities	Web editor for HMI Web editor for airport routings configuration Add/import vectorial multilayer airport map (.SVG)
Online configurable features	Driver mode, device GPS usage vs ADS-B transmitter, ICAO address, auto navigation, etc.
ADS-B in reception via	Bluetooth, Wi-Fi, VPN, LAN, etc.
CAT 62 reception via	VPN, web server, LAN, etc.
Filtering tracks based on	Distance, levels, category, callsigns, ICAO address, Mode-A
Additional features	Runway Protected Area (RPA) Warnings Low Visibility Procedures (LVP) Operations Intelligent object search

SAGRA applications

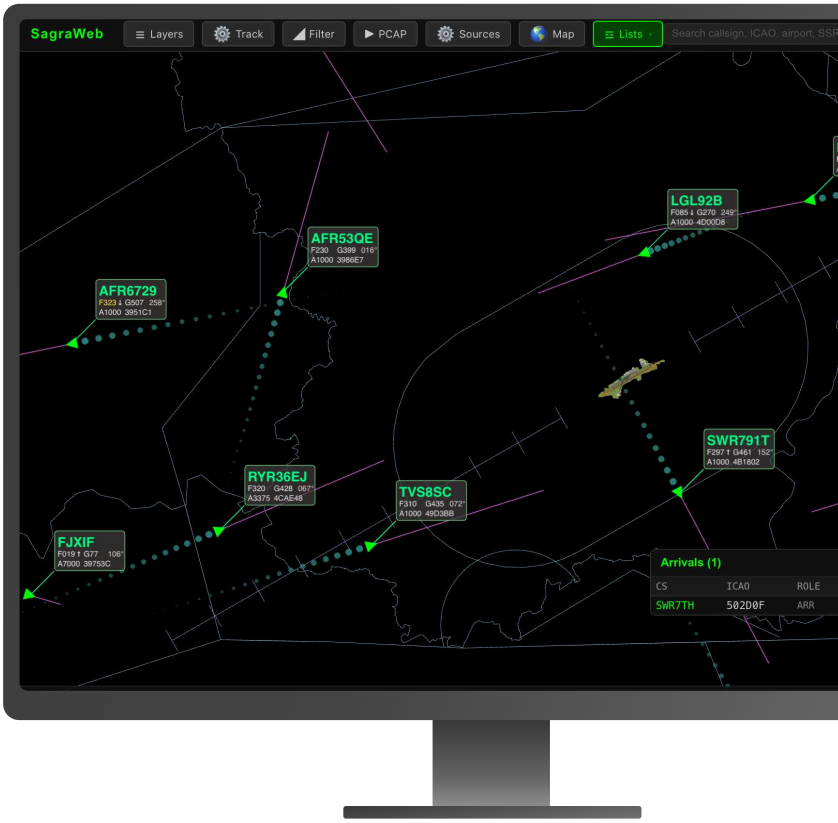
Airport driver awareness: navigation and information on laptop or CarPlay

Tower and ground monitoring: big screen presentation of all vehicles and aircratfs on ground and approaching

Training and simulation: quick and easy playback of any ASTERIX recording

Education and job attraction: presentation of ATC concepts and meaning in schools, expo, events

ATC backup: ultimate back-up for surveillance data presentation



RELATED SERVICES

1 year warranty, extendable

Set-up and configuration

Training

Stock availability

Obsolescence management

Remote and on-site support

Corrective and evolutive maintenance

Integration with third parties systems

SAGRA Datasheet - March 2026 - Version n. 3

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