

# sysnav

NAVIGATION TECHNOLOGIES

## First Responders Tracking Solution

### GEOLOCATE FIREFIGHTERS IN 3D DURING OPERATIONS WHERE GPS IS NOT AVAILABLE (INSIDE BUILDINGS, URBAN CANYONS, ...)

In order to ensure the **monitoring of firefighters** during operations SYSNAV has developed a next generation **geolocation solution**, based on a patented magneto-inertial technology.

This solution improves **safety and operations efficiency**. It also records individual trajectories for debriefing purposes.

The geolocation solution from SYSNAV is composed of :

- An **individual hardware module** : the PLD (Personal Location Device)
- A **supervision software** on a server (hosted or local) allowing the remote visualization and the recording of trajectories
- An **Android companion application** for self-visualization of position and trajectory on a map background (optional)

### VISUALIZATION OF POSITIONS

3D tracking with sub-metric accuracy  
Display of X/Y (Long/Lat) and Z (elevation) coordinates

### MAN-DOWN ALERTS

Customisable parameters  
Navigation to the man down  
+ other alerts on demand

### UNLIMITED NUMBER OF PEOPLE MONITORED

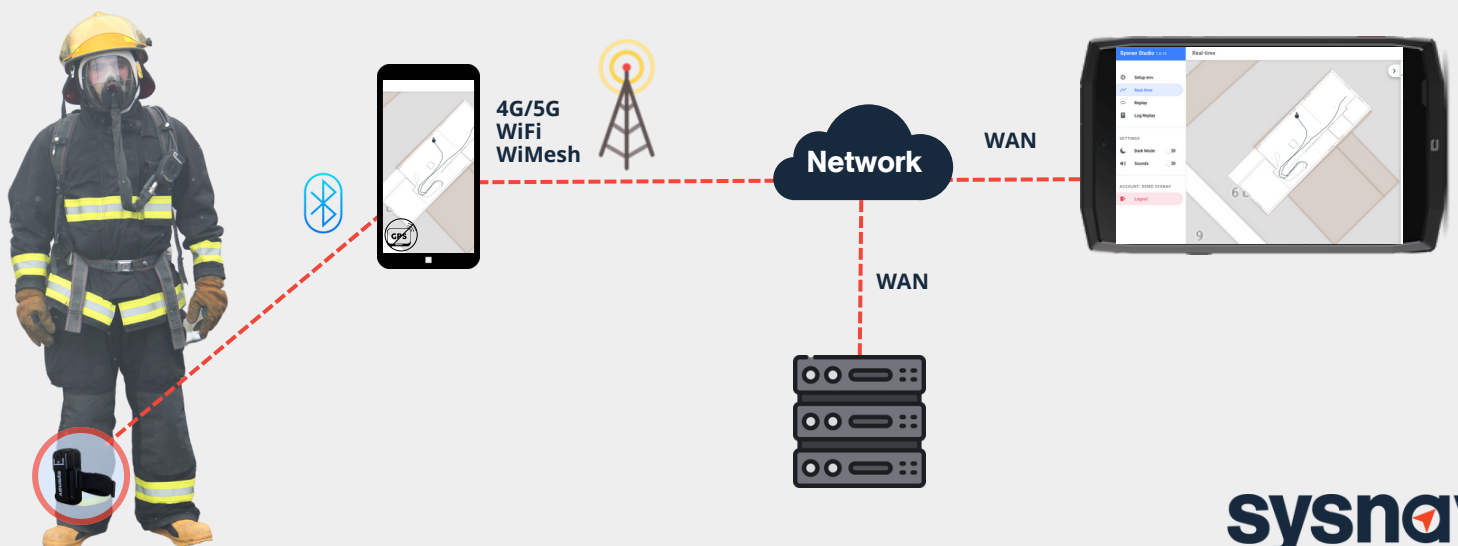
Possible **identification** by badge and/or by label

### GEOFENCING ALERTS

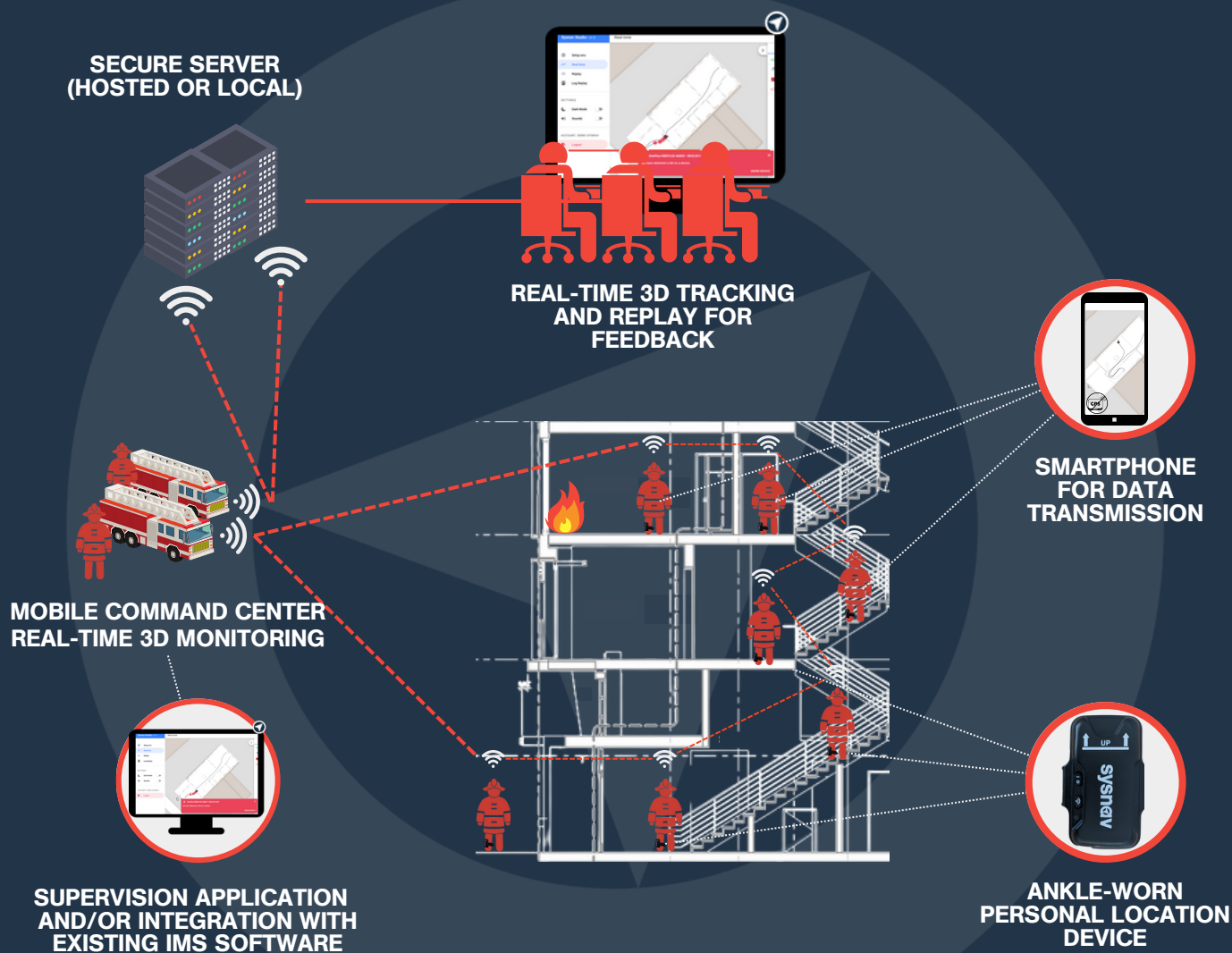
### REPLAY OF TRAJECTORIES

Post-mission replay for detailed feedback analysis and access to metrics & statistics

### TAGGING OF POINTS OF INTEREST



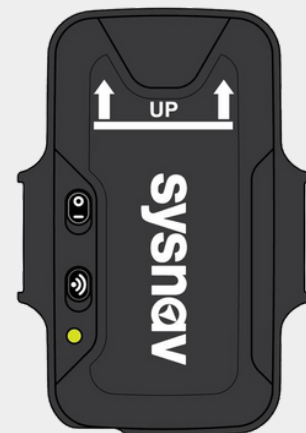
# LOCATE, VISUALIZE, AND ACT



## Contact

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Dimensions and Weight	70 x 55 x 25 mm, 75 g
Battery	LiPo rechargeable 3,7 V
Autonomy	8h
Sensors	3 accelerometers, 3 gyroscopes, 3 magnetometers, thermometer, barometer
Accuracy	1% of travelled distance
Certifications	IK06*, IP68*, CE*, ATEX*
Connectivity	BT4, RFID and LTE-M*
Processing units	1 microprocessor + 1 DSP



\* under development

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