

ARIANNA

Human tracking in GPS-denied environments



dune

GPS not available: indoor, emergency and tactical environments



Locate and track

- First responders (e.g. firefighters)
- Soldiers in tactical scenarios (GPS jammed)
- Safeguards of Critical Infrastructures

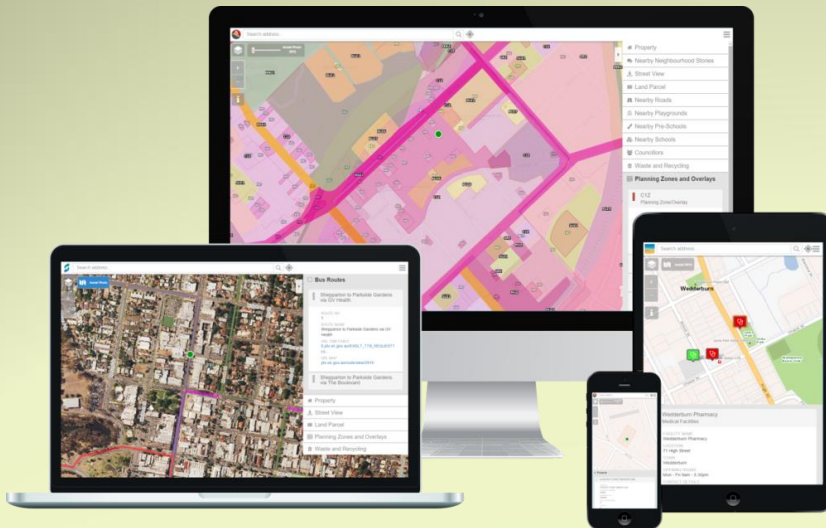


DUNE ARIANNA system

**Only wearable sensors
NO external infrastructures**



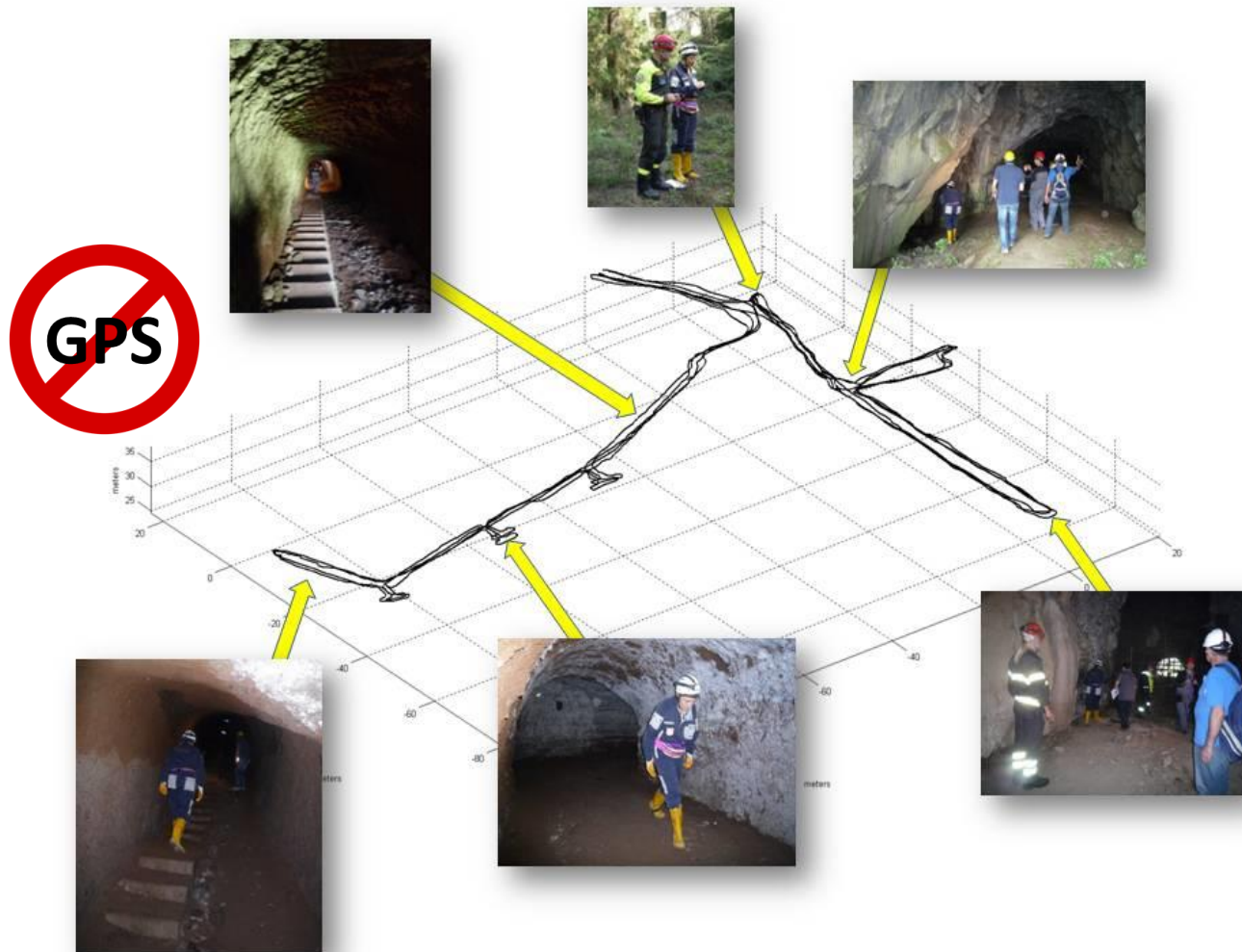
**Graphical interface with Geographic
Information System support**



ARIANNA real-field operational examples

- **Lost or wounded firefighters rescued after 6 minutes (instead of hours) in a 6.000 m² multi-floor building.**
- **Adopted to track and control the activities of the inspectors of one Agency of the United nations.**
- **Boost of the Situational Awareness for the Command and Control in tactical scenarios, where GPS is jammed by hostile forces.**
- **Suitable for both real-time and training sessions (post-mission analysis).**

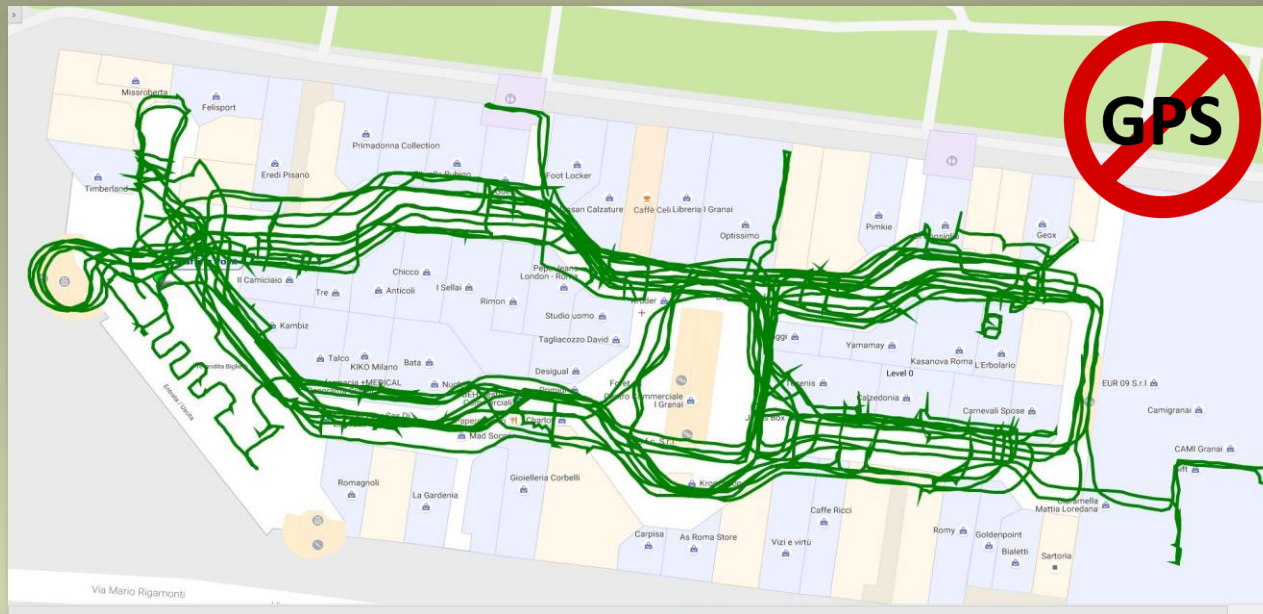
DUNE ARIANNA performance (examples)



Italian firefighters: tracking firefighters in underground caves

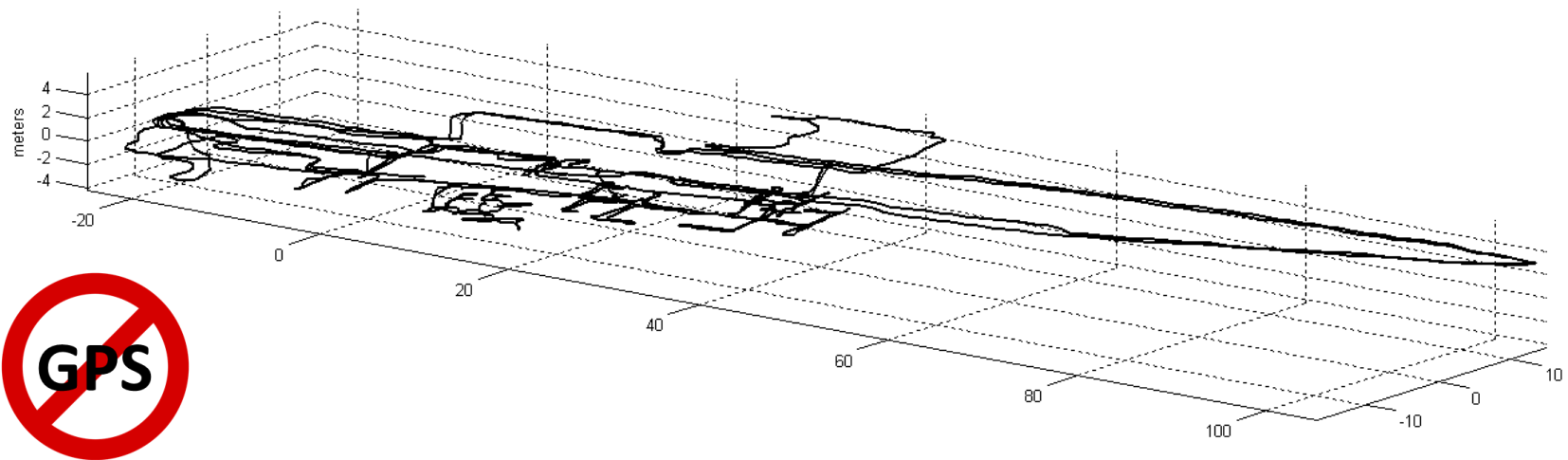
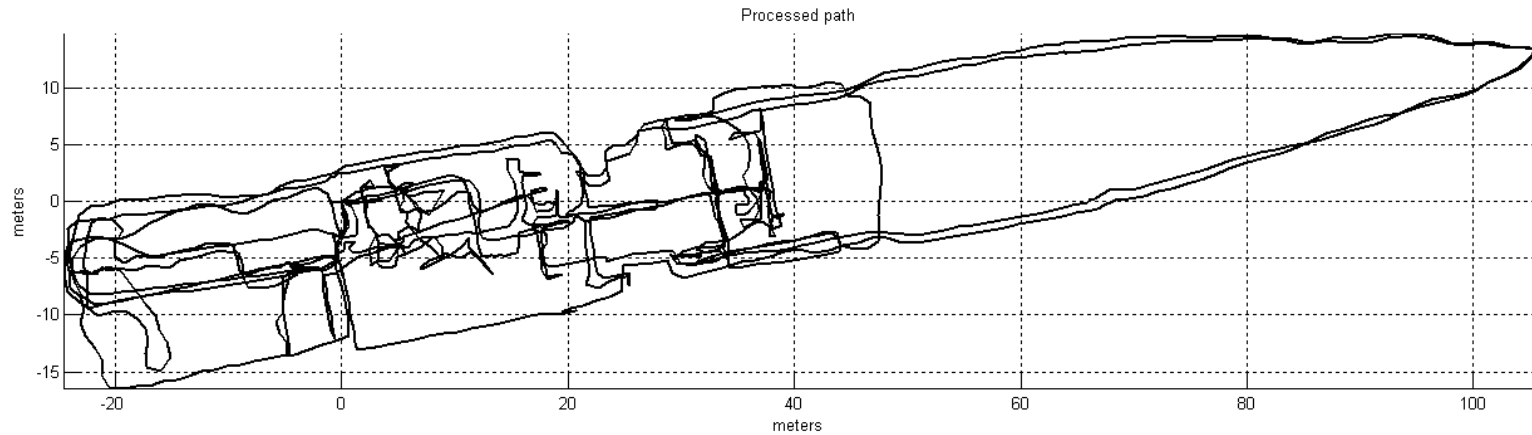


DUNE ARIANNA performance (examples)



Agency of the United Nations: 6 hours long tracking of a safeguard in a Critical Infrastructure

DUNE ARIANNA performance (examples)



Tracking personnel inside a battleship



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