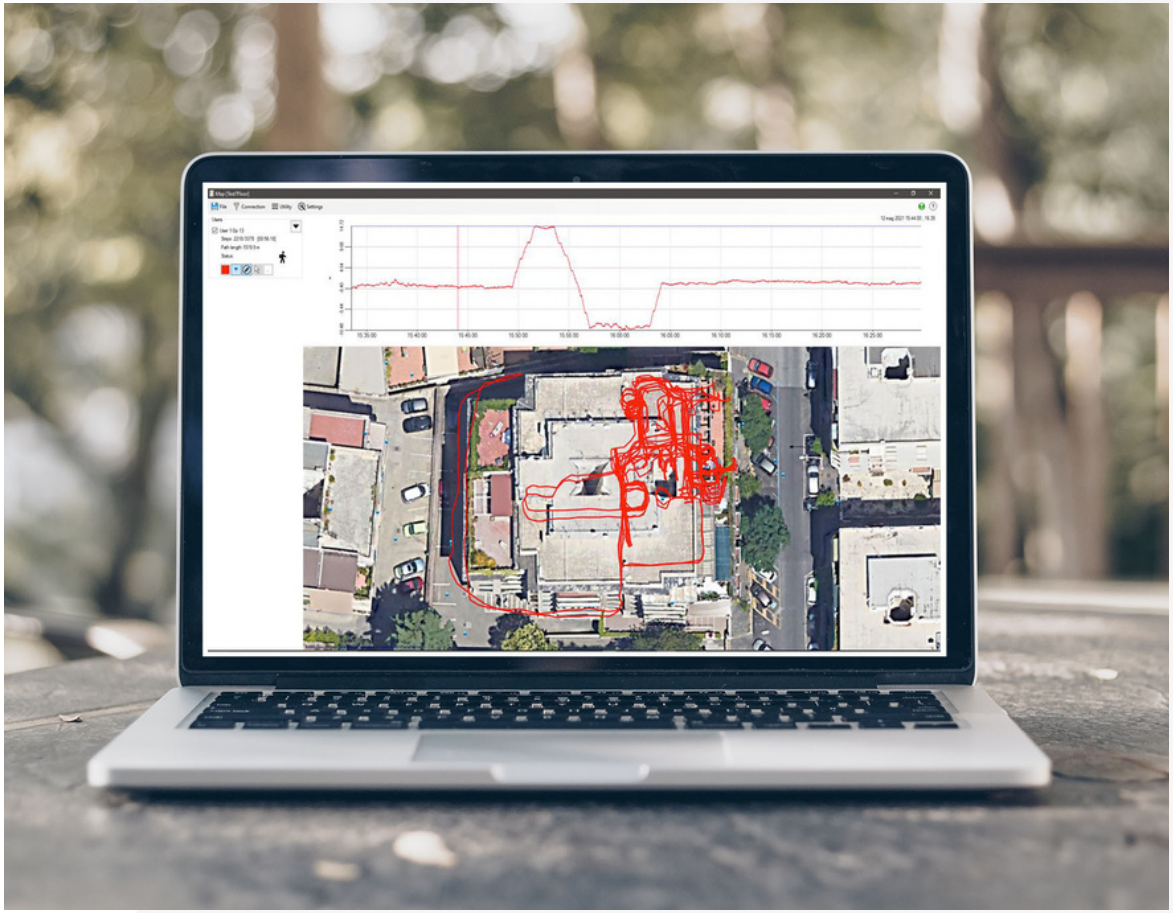
Sovereign Systems

HUMAN TRACKING IN GPS DENIED ENVIRONMENTS



THESIA

GPS-LESS TRACKING

THESIA INTRODUCTION

Thesia is a localisation system for pedestrians, designed to pinpoint and track the elements of a single person, or of a squad of operators, seamlessly passing through mixed GPS-denied/available areas, in unknown environments.

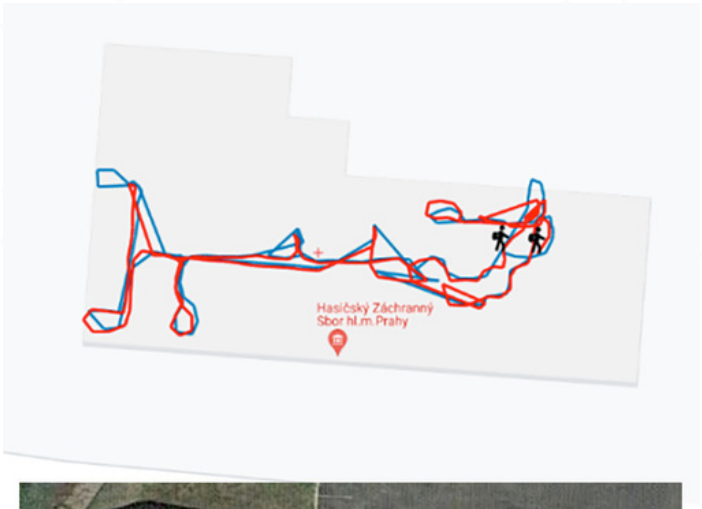
Data can be saved locally to the device and/or sent back live to monitoring station via cellular, mesh etc.

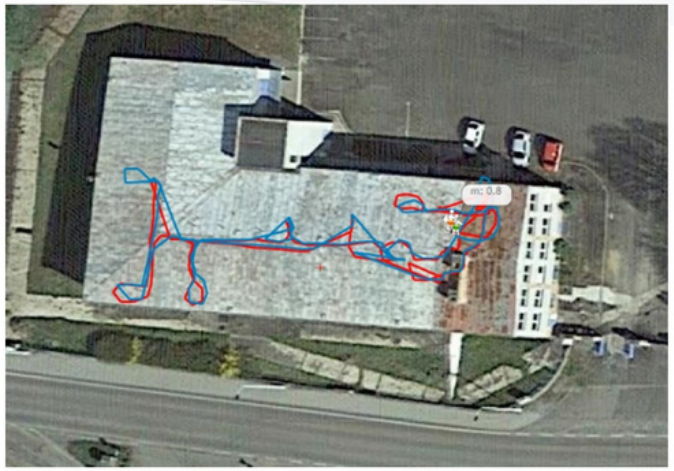
The Thesia Smart Sensor is an autonomous device that internally implements all the algorithms to follow the walker behaviour and reconstructs the full pathway of the user.

SMART SENSOR

THESIA FEATURES

- No support infrastructure required, such as building maps, external beacons etc.
- Thesia is completely independent and stand alone.
- Thesia can be easily integrated into existing platforms.
- Operationally proven, using cots sensors and sophisticated pli software algorithms.
- Designed, developed and manufactured in the European Union.
- In use by European search & rescue agencies, law enforcement, united nations inspectors and special forces.
- Attractive commercial model, one-time capital purchase with optional annual support fee.





THESIA IS THE ONLY SYSTEM OF ITS KIND, COMMERCIALLY AVAILABLE NOW!!

USER EXAMPLES

A few examples of the users of Thesia

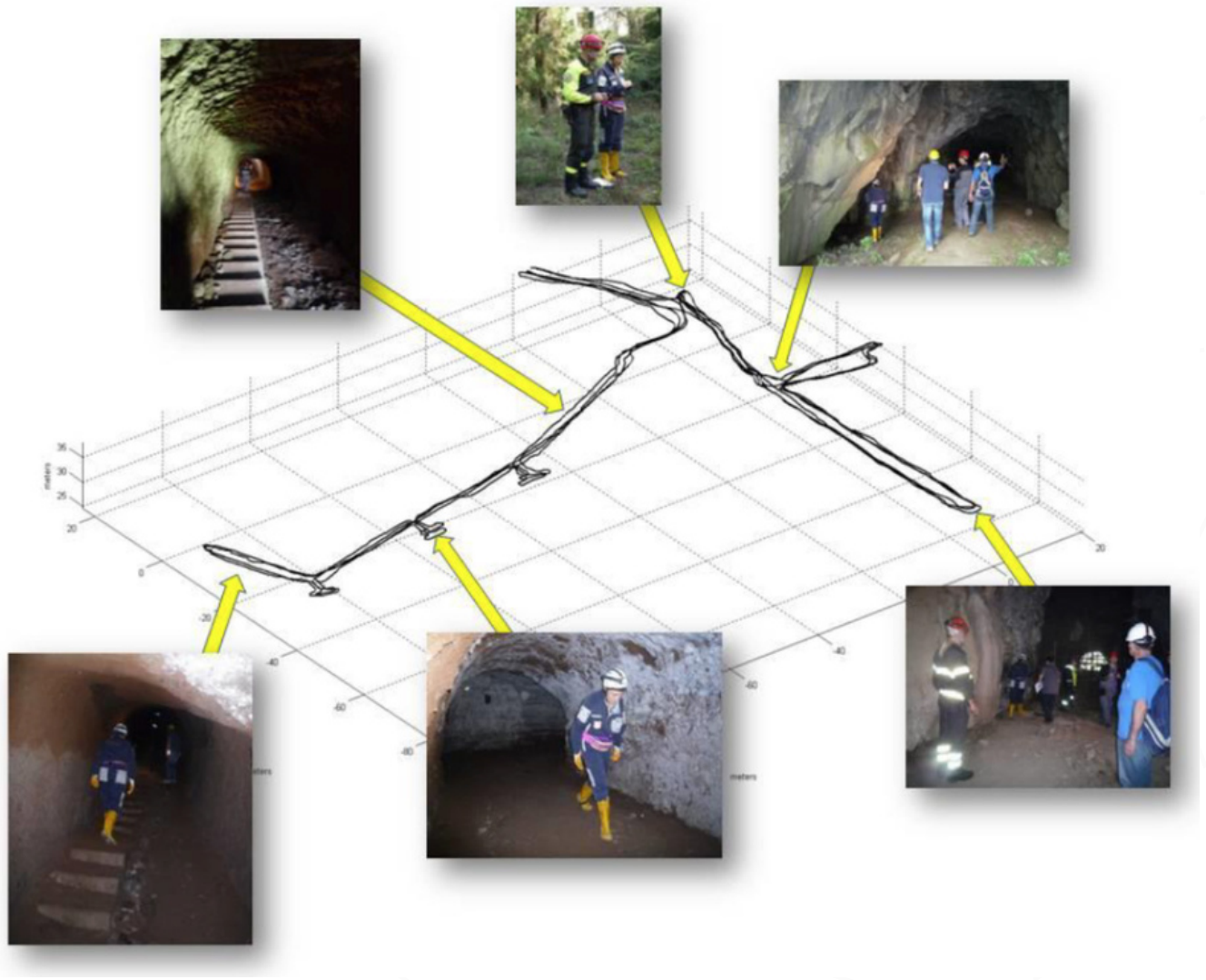
- Firefighters, Search and Rescue
- Soldiers and Law Enforcement in tactical scenarios
- Coastguard boarding party
- Safeguards of Critical Infrastructure

OPERATIONAL EXAMPLES

- Lost or wounded firefighters rescued after 6 minutes (instead of hours) in a 6,000m2 multi-floor building.
- Adopted to track and control the activities of the inspectors of one agency of the United Nations.
- Enhancement of 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).
- Ensuring safety of sailors on board Naval vessels by tracking movement below decks in real time.

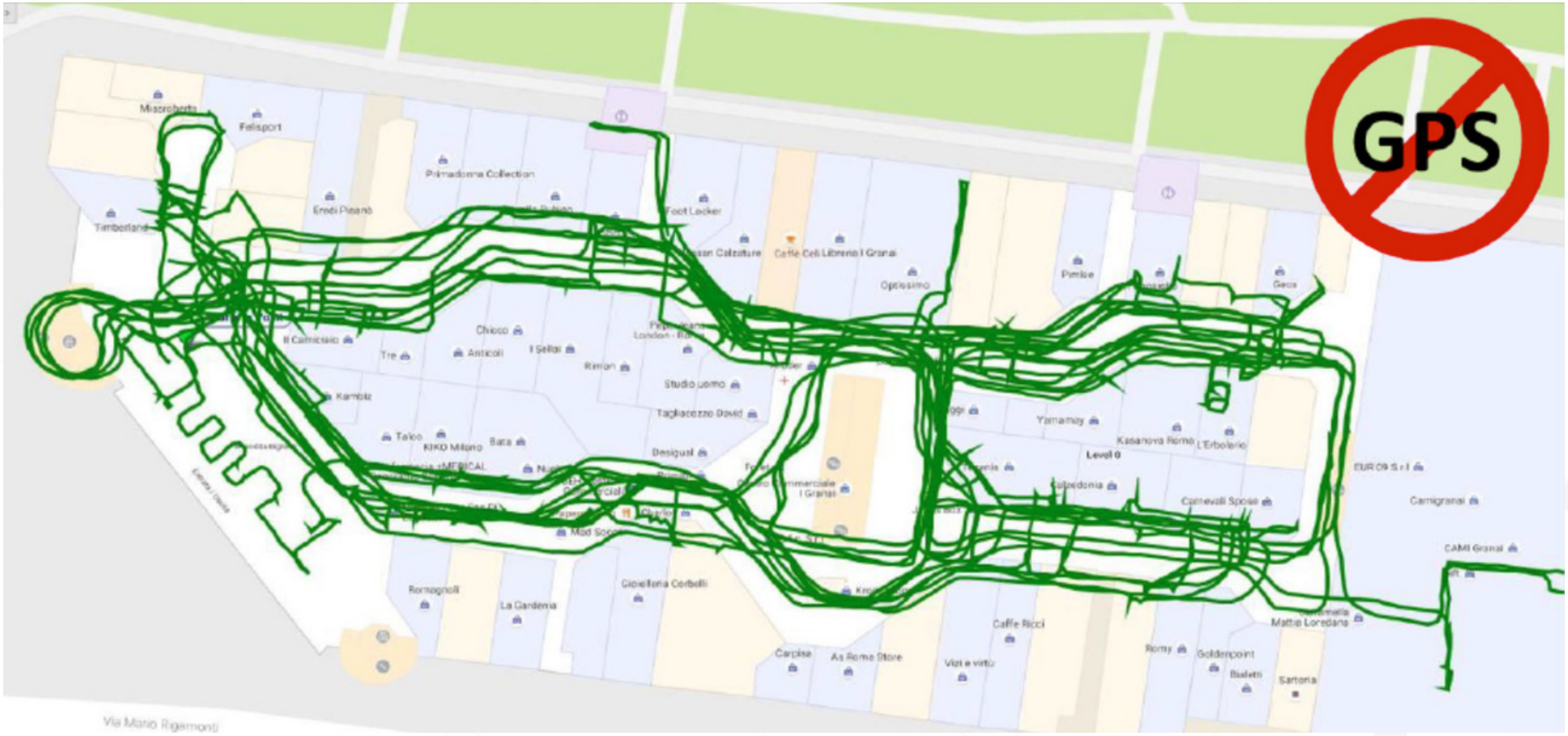
Graphical interface with Geographic Information System support

THESIA USAGE EXAMPLES



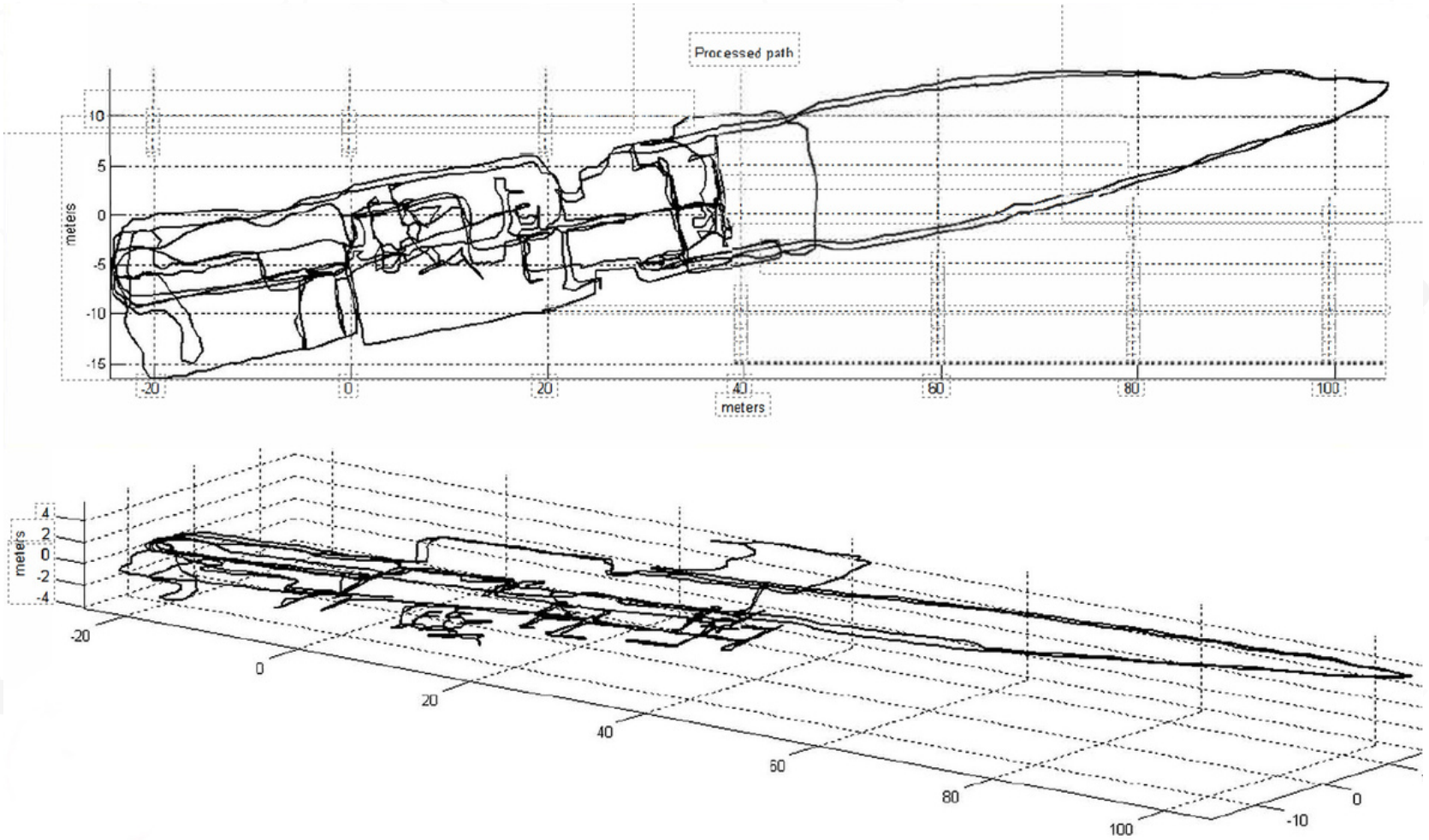
Tracking Rescue personnel in underground caves

THESIA USAGE EXAMPLES



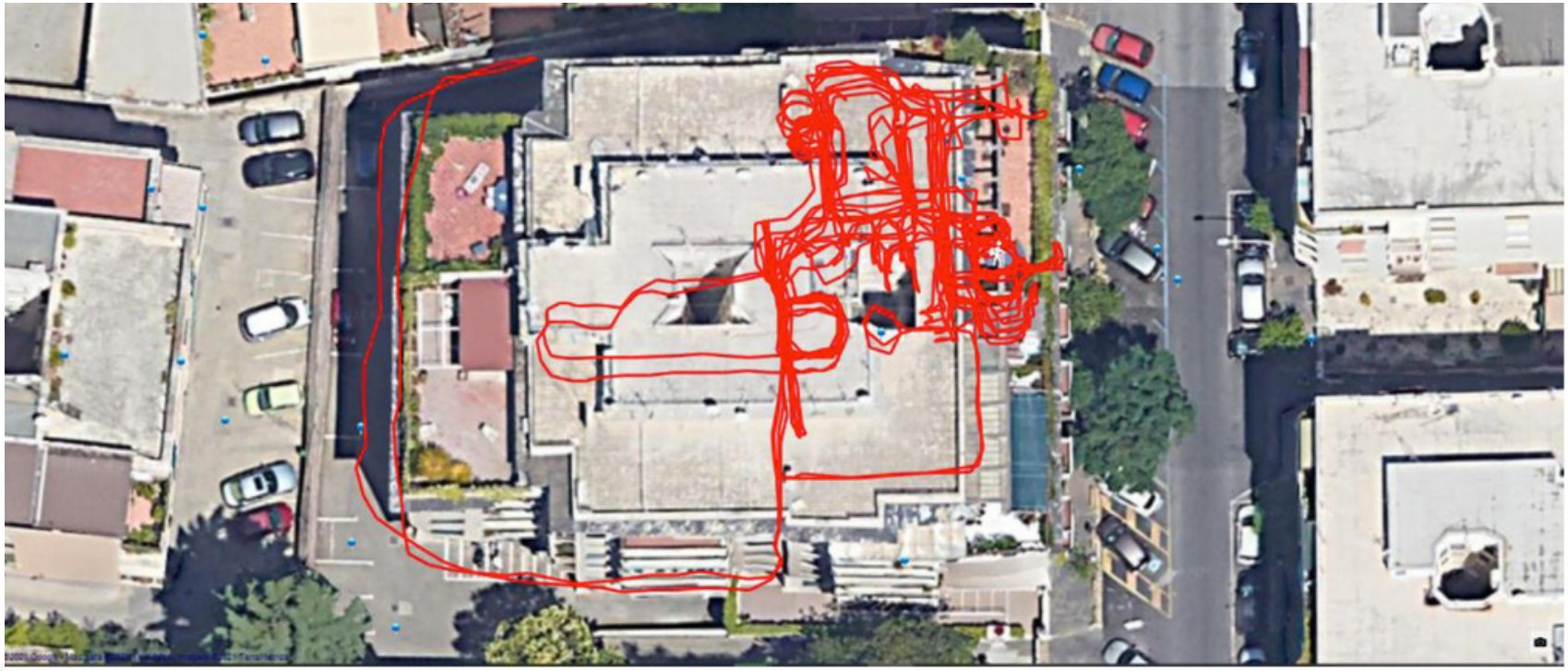
6 hours mission tracking of a safeguard in a Critical Infrastructure

THESIA USAGE EXAMPLES



Tracking personnel inside a Naval vessel

THESIA USAGE EXAMPLES



Tracking personnel over multiple floors

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