


NAPS

Technology matured by 

#ComplexEnvironment

#Exploration

#Geotracking

Exploring complex environments where traditional geo-tracking systems can't be used (e.g. Sewers, Underground mining) relies on location methods such as **SLAM (Simultaneous Localization And Mapping)**. Highly dependent on the environment, such methods are calculation-consuming and suffer from an incrementally drift as the explorer moves.

NAPS technology is aimed at building a **real-time nomadic positioning system**. It is based on at least 2 communicating mobile agents able to know their respective position thanks to exchange of successive mutual information. This process can be used **whatever the environment** and its constraints (e.g doesn't require manual predisposal of reference beacons), has a sober calculation strategy and reduces location error.

Benefits

- **Nomadic localisation system** with **sober** calculation strategy
- **Suitable process** for any type of journey (rolling or flying movable unit)
- **Limited position error**: 25 mm for 70 m experimentally explored

Nomadic and Accurate Positioning System

