

## ABOUT

Whether travelling by bike or on foot, working as a city surveyor, architect, or construction manager, or even the operation of autonomous drones and vehicles — all these tasks depend on **accurate** and **reliable** satellite-based navigation and positioning.

Struggling with navigation in the city? Urban canyons can easily interrupt satellite signals, limiting the full potential of both **professional** and **consumer** services.

**egeniouss** will change that by offering a reliable, precise, and cost-effective positioning and navigation solution tailored for urban settings.

## CONTACT

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## CONSORTIUM



geonumerics



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Accurate, Assured and Affordable  
Positioning and Navigation for  
Everyone



## MAJOR USE CASES



API-enabled **platform-independence** to run on  
**smartphones, drones, in-vehicle-systems**

Absolute **localisation accuracy** of up to **10 cm** with  
**99% reliability**

Visual localisation service to **solve known GNSS issues**,  
i.e. NLOS, multipath, jamming and spoofing

**Machine Learning** for reliable **scene understanding**  
and accurate **feature repeatability**

**Surveying-grade** aerial and terrestrial **reference data**  
stored in the **Cloud**

**Tight integration** with European GNSS and  
augmentations, e.g. HAS

**Opt-in Crowdsourcing** to keep localisation service  
up-to-date



**Bike Navigation**  
**High real-time** requirement  
**Low accuracy** requirement



**Smartphone-based surveying**  
**High accuracy** requirements  
**Low real-time** requirement



**Drone-based delivery**  
**High availability & continuity**  
requirement  
**Low TTFF WS\*** requirement

\*Time to first fix warm start