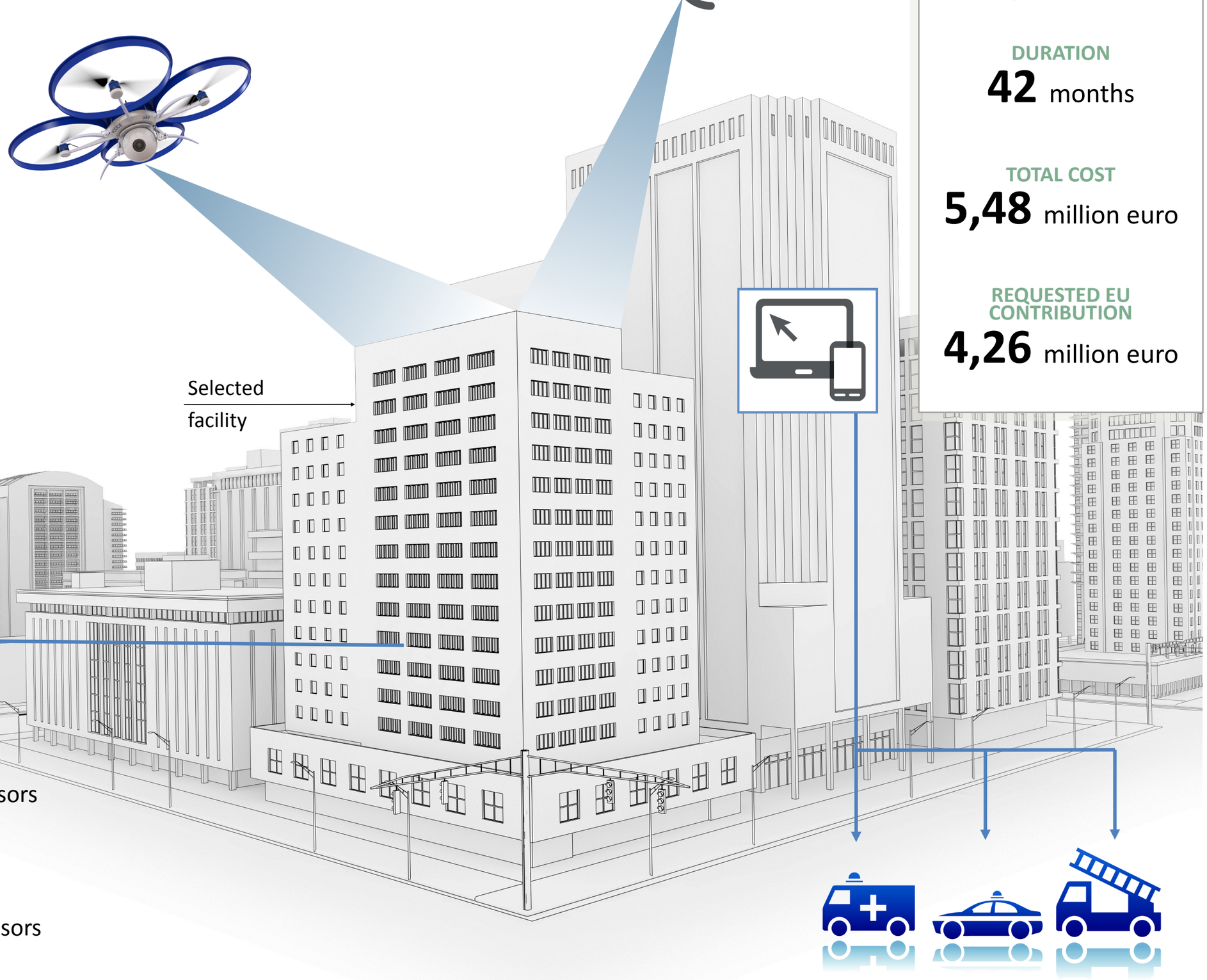
RECONASS

www.reconass.eu

Reconstruction and
REcovery Planning:
Rapid and Continuously Updated
COnstruction Damage and
Related **N**eeds **ASS**essment

RECONASS is a European research project which aims at the development of a "smart" structural monitoring system, offering a reliable and ongoing assessment of the state of structures hit by earthquakes, explosions and other causes.



Project Facts:

DURATION
42 months

TOTAL COST
5,48 million euro

REQUESTED EU CONTRIBUTION
4,26 million euro

The RECONASS system

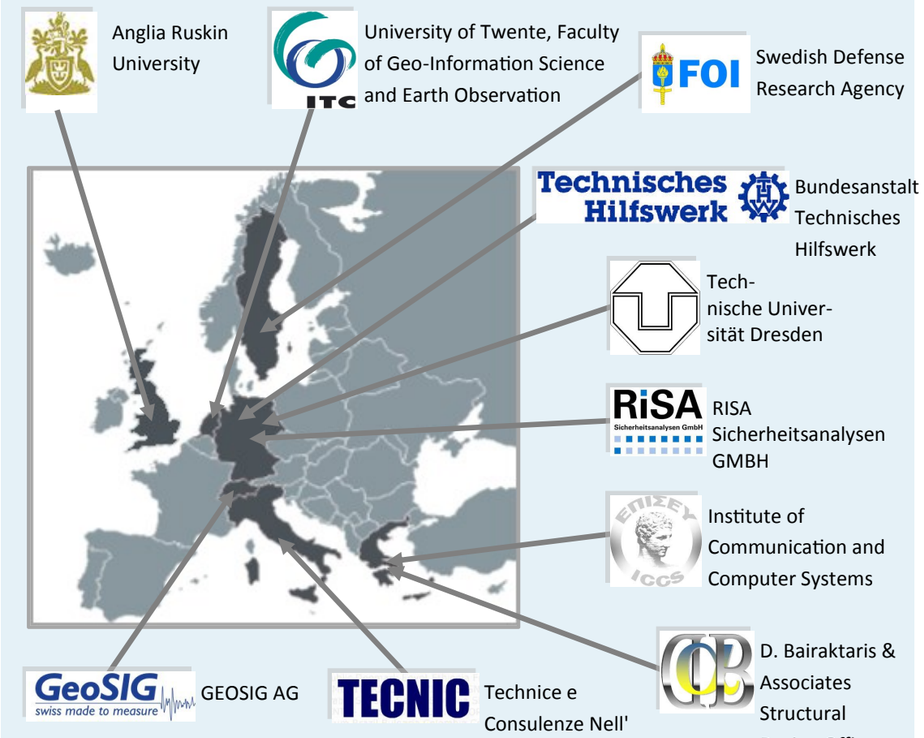
1 Small, inexpensive, wireless, local **positioning tags** interworking with **acceleration**, **strain** and **temperature sensors** that will be embedded in the structural elements of the monitored building and report their position and overall status to the base station.

2 **Gateway device for communication** that will provide redundancy at situations of access network unavailability by utilizing different access interfaces, interconnecting at the same time heterogeneous sensor networks .

3 **Unmanned Aerial Vehicle (UAV-drone)** and **satellite imagery** focused at a post-event time on the monitored building providing 3D building visualisation facilitating a detailed damage assessment.

4 **PCCDN Tool** that will provide the recovery stakeholders with near real-time, continuously updated, detailed and reliable data and information on the construction damage, economic loss and repair needs of monitored buildings by exploiting its **structural** and **non-structural assessment modules.**

Consortium



Contact us

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