



WHAT IS CURSOR ABOUT?

In the face of natural or man-made disaster, urban search and rescue teams and other first responders race against the clock to locate survivors within the critical 72 golden hours timeframe, often at their own peril due to the presence of instable structures or hazardous environments.

CURSOR is an EU and Japan Science and Technology Agency funded research project that will devise novel technologies using miniaturised robotic equipment, drones and advanced sensors to speed up the detection of survivors trapped in collapsed buildings and to improve the working conditions of the first responders.

THE CONSORTIUM



Coordinated Use of miniaturised Robotic equipment and advanced Sensors for search and rescue Operations



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 832790 and from the Japan Science and Technology Agency.

WHAT DOES CURSOR WANT TO ACHIEVE?



CURSOR is developing an innovative Search and Rescue Kit that will be mobile, fast to deploy, easy to operate and customised to the needs of the Urban Search and Rescue (USaR) teams.



CURSOR will increase the effectiveness of USaR teamwork in search and rescue missions, reducing the time needed for deployment of search and rescue personnel and equipment, situational assessment & onsite disaster response.



CURSOR will improve the protection of first responders' health and safety during USaR operations.



CURSOR will deepen the understanding between first responders and solution providers on the operational needs and requirements during USaR operations.

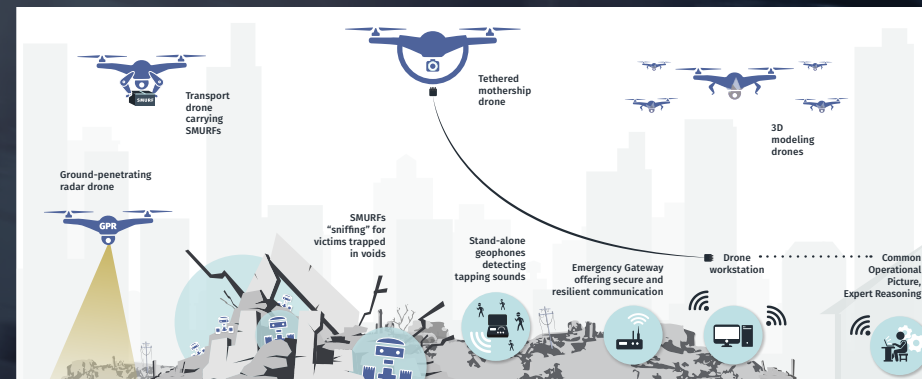


CURSOR will ensure the sustainability of its finding by transfer of results and sharing of lessons learnt.

HOW IS CURSOR GOING TO ACHIEVE IT?

The innovative CURSOR Search and Rescue (SaR) Kit will include Soft Miniaturised Underground Robotic Finders (SMURFs), different types of drones, ground penetrating radar, geophones and localisation & communication system.

The CURSOR SaR Kit will be designed in an open architecture approach allowing the integration of existing tools and technologies used by search & rescue teams today or developed by other research projects.



TESTING

- The system will be tested by first responders of the consortium as well as by external practitioners throughout the whole process of development.
- Lab tests, small-scale field tests, use cases and one CURSOR SaR field trial will be conducted in realistic scenarios to develop an easy and fast deployable SaR Kit of integrated technological components which directly respond to the first responder needs.

GET IN TOUCH!



www.cursor-project.eu



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