Technologie	Entity	TRL Level	Description	Link
SAPI - système de surveillance et d'alerte du personnel (French content)	SignalTec	9	The SAPI is used to alert personnel when a vehicle enters a danger zone predefined by users on arrival at the site. It is suggested that the vehicle be fitted with the following warning devices: an audible warning device directed towards the intervention zone and a white strobe flash to attract the attention of the driver who has entered the secure zone.	https://www.signaltec38.com/ressources/fichiers/af549fd58b40.pdf
Disaster Risk Analysis System (DRAS)	UNDP	8	Multi-layer GIS map system with specific fire hazard and risk assessment implemented in online platform.	https://drasinfo.org/
Air Logger - device and software that allows measurement of important moving drone parameters	CNBOP	9	The device with software is currently used to test drones that have its use in broadly scoped fire protection units. That means that drones that are declared to use in specific conditions like conditions that occur in the time of extinguishing and fire protection need to endure specific requirements (not obligatory right now) like proper velocity (that allows its for operational use), accuracy of telemetry, resist to wind blows, etc.	CNBOP-PIB's Drones Center - 22 76 93 302 drony@cnbop.pl
ESCUDO - An integral System for CBRN Communication and Detection	IBATECH	8	The eSCuDo system is an integrated detection, identification and monitoring solution for chemical, biological and radiological/nuclear agents specifically designed for mobile units, such as armoured vehicles, naval craft, or for critical infrastructure. eSCuDo comprises a series of modular, state-of-the-art CBRN sensors enabled to be set up at different monitoring points. The system is low-cost, easy to install, and yields wireless communication through a central control unit.	https://www.ibatechcbrn.com/wp-content/uploads/2020/10/ESCUDO-Project-fact-sheet-ENGLISH_Nov.-18.pdf
Real-time Earthquake Shaking Maps	Seismological Laboratory of the National and Kapodistrian University of Athens	9	Real-time Ground Shaking Maps of Peak Ground Acceleration and Peak Ground Rotations for earthquakes with magnitude M ≥ 4.0 in Greece and broader area. The list of earthquakes includes events of the last 30 days. Seismological data are derived in real-time from the Seismological Laboratory of the University of Athens. Ground Shaking Maps are produced automatically without human intervention.	http://macroseismology.geol.uoa.gr/realtime/
G-Sense - Earthquake Rapid Damage Assessment for Buildings	Satways Ltd	9	G-Sense is a rapid damage assessment of buildings based on the new low cost accelerograph that can be installation in different floors of buildings. Just after an earthquake the system automatically estimates the probability of damages for every instrumented building and the damage data are collected in a central C2 s/w where the probable damages are visualized and response is prioritized.	https://www.satways.net/products-hw/motus-16-sm/
Disaster Alleviation in Real Time (DART)	INTAERO	9	DART is developed from systems designed for army use. It is nodal and requires no central server. It uses fixed messages (Data Links) to send all data. It is designed to be graphical and require no computer knowledge by the operator. It can use any communications medium. Key deliverables are: Shared awareness of the disaster environment, Distributed decision making, Enhanced safety, save first responder lives, save civilian lives, reduce damage to properties and the environment, Better flow of information (real time data exchange), Higher tempo of operations (minutes versus hours) and Interoperability - graphical user interface, one software, multiple languages.	https://intaero.com/disaster-management/
AquaEye - Handheld Sonar Device	Vodasafe	9	AquaEye® from VodaSafe is an advanced handheld underwater scanner that uses the latest sonar technology as well as Artificial Intelligence to identify human bodies underwater and in waters with poor visibility. AquaEye® can scan 8000 square meters of water area in less than 5 minutes	https://vodasafe.ca/aquaeye/
Firstlook360 - Search & Rescue cameras	Firstlook	9	FirstLook systems can be configured in multiple ways to accommodate any operation. To simplify the selection process a variety of kits have been created to fit different applications or budgetary requirements.	https://www.firstlook.net/products/rescue-kits/
ATMON FL	Nanosens	9	ATMON FL is a modular, lightweight gas detector designed for UAVs. It can hold up to 6 sensors, each dedicated to a different substance. Thanks to the modular construction, the sensors can be replaced by the user in the field. The list of available sensors: Volatile Organic Compounds, H_2S (hydrogen sulfide), C_2H_6O (ethanol), Cl_2 (gaseous chloride), CO (Carbon monoxide), HCHO (formaldehyde), NO_2 (nitrogen dioxide), O_3 (ozone), PM2.5 and PM10 (particulate matter), SO_2 (sulfur dioxide), RI (a group of gasses that are respiratory irritants), AQ (a group of gasses that constiture air quality index), NH_3 (ammonia), NO (nitrogen oxide), CO_2 (carbon dioxide), HCN (Hydrogen Cyanide), HCl (Hydrogen Chloride), H_2 (Gaseous hydrogen).	https://aeromind.pl/product-pol-11470-Atmon-FL-S-M-O-K-II.html
vieWTerra Evolution	VWORLD	8	vieWTerra Evolution is a joint "GIS & Simulation" 4D Earth Viewer platform which can be used as very cognitive and immersive combined 3D/2D visualization tool in support of any potential crisis and relief operations on Earth (fires, floods, earthquakes, landslides, tsunamis, droughts, epidemics etc).	https://viewterra.software.informer.com/

EXODUS	Fire Safety Engineering Group (FSEG)	9	EXODUS can be used for both evacuation simulation and pedestrian dynamics/circulation analysis. The software has been developed to meet the challenging demands of performance based safety codes. Based on a highly sophisticated set of sub models, it shatters the mould of traditional engineering analysis to produce realistic people-people, people-fire and people-structure interactions.	https://fseg.gre.ac.uk/exodus/index.html
Raybird 3 Fixed-wing Drone	Skyeton	9	We have tailored our system to suit your industry and works in tandem with the First Responders. We can pick up hotspot as small as 2m by 1 from 800 m above the ground. The drone is fully autonomous. The drone is autonomous, meaning while it is executing the flight plan and detects a hotspot, it will automatically go to the coordinate to take pictures. Images then transmitted to the Operator at the Ground Control Station so he/she can dispatch the First Responder to the coordinate for corrective action before the situation gets out of control. Through our AI, we can detect 5 targets and send First Responder to the location to rescue (SAR case).	https://www.skyeton.com/
AIOSAT - Autonomous Indoor and Outdoor Safety Tracking System	/	7	The AIOSAT project offers a smart system to improve the situational awareness of firefighters, increasing the safety, speed and effectiveness of the decision-making process.	http://www.aiosat.eu/
SARUAV	AeroMind	9	Innovative IT System supporting the search for missing person in the wilderness : planning a drone mission based on human behavior models, automatic human detection finalised with accurate locations of people and Real opportunity to reduce costs of search operations and risk taken by rescuers.	https://aeromind.pl/product-eng-12707-SARUAV-an-innovative-information-system-to-support-the-search-for-missing-person-annual-licence-for-the-province.html
Wildfire detection system and smoke detectors	SmokeD	9	The SmokeD detectors are sophisticated devices intended for early fire detection and an immediate notification of users about their occurrence. For that purpose artifical intelligence (AI) has been applied resulting in fast, effective, and accurate detection of smoke and flames up to 10 miles. The main purpose of SmokeD systems is to detect fires before they become too large for their effective control. The system is aimed at individual, government, and corporate users.	https://smokedsystem.com/
CIPCats Integration Platform	Italian node of the European Infrastructure Simulation and Analysis Centre	9	CIPCast: an innovative Decision Support System (DSS) and interoperable platform for the operational 24/7 monitoring of CI and for the prediction of physical and functional impacts induced by natural and man-made events on Critical Infrastrutures	http://www.eisac.it/
Onhys ONE	Onhys	9	Le simulateur ONHYS se positionne comme la nouvelle innovation en matière de gestion des flux. Nativement compatible avec le workflow BIM (Building Information Modeling), il possède l'avantage d'automatiser une grande partie des processus de configuration, offrant ainsi à son utilisateur un gain de temps considérable. Réaliste, adaptable et facile d'utilisation, il permet d'effectuer toutes les simulations et analyses nécessaires à la bonne gestion des flux piétons et mouvements de foule.	https://www.onhys.com/fr/solutions/simulator
Wearin'	Wearin'	9	Wearin' is an intelligent IoT platform that generates real-time insights by capturing in-mission data from connected sensors and devices. With automatic alerts and a digital platform to visualize key data, Wearin' helps detect and prevent health and safety risks, improve live coordination, and enable remote guidance.	https://wearin.tech/solution/
Positive pressure ventilation (PPV)	BlowHard	9	Positive pressure ventilation (PPV) fans are some of the most important tools used to create a safer environment for our first responders. PPV fans are used to push smoke, contaminates, particulates, etc. out of a structure through an exhaust port while providing cool air to the scene using pressure differentials. This can increase visibility and air quality while providing a cooler atmosphere to work in. This makes them critical for creating a safer environment on the job site.	https://www.blowhardfans.com/
Assistant Volunteer	Nable Solutions	9	Assistant Volunteer, a software solution that helps organizations become more flexible by providing them with the tools to recruit, train, organize, coordinate and supervise volunteers.	https://assistant.nable.gr/