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ASTRIAL
REDEFINING COMMAND CONTROL & INTELLIGENCE

ASSISTANCE PUBLIQUE HÔPITAUX DE PARIS

DEVERYWARE
by FLANDRIN TECHNOLOGIES

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UPO CRIMEDIM
UNIVERSITÀ DEL PIEMONTE ORIENTALE
CENTER FOR RESEARCH AND TRAINING IN DISASTER MEDICINE, HUMANITARIAN AID AND GLOBAL HEALTH

THE CITIZENSHIP NETWORK
CITTADINANZA ATTIVA

CERTH
CENTRE FOR RESEARCH & TECHNOLOGY HELLAS

NIGHTINGALE

Novel Integrated Toolkit for
Enhanced Pre-Hospital Life Support and Triage
in Challenging and Large Emergencies

NIGHTINGALE
Advancing pre-hospital life support and triage

www www.nightingale-triage.eu

in NIGHTINGALE Project

@NGTriageEU

NIGHTINGALE Project

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The NIGHTINGALE Aim

NIGHTINGALE aims to upgrade pre-hospital life support and triage by creating innovative technological tools for emergency medical response. The tools will optimise current procedures and methods and enhance the operational capacities of emergency medical services and civil protection agencies in mass casualty incidents.

The NIGHTINGALE Results

NIGHTINGALE will offer intelligent, integrated, and interconnected tools and services. These technological solutions will be complemented with a commonly agreed operational framework that will be embedded seamlessly within the workflow.

The toolkit will offer

- Digital identification and traceability of affected people during mass casualty incidents

- AI-enabled fast diagnosis and prognosis, continuous monitoring and classification of medical conditions

- AI-enabled optimisation of assets and resources.

- Local and remote assessment and real-time monitoring of affected people which specifies their location and proximity to emergency teams

- AR application supporting information sharing and communication between emergency teams and with victims

- Innovative digitized training and scenario-building platform for first responders
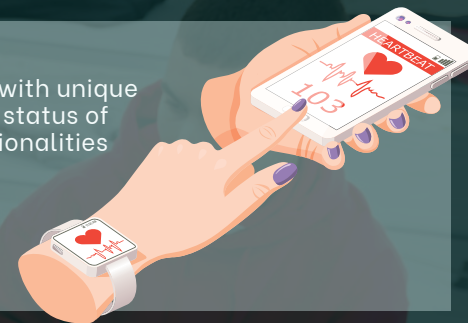
NIGHTINGALE

NIGHTINGALE Tools

The Novel Integrated Toolkit for Emergency Medical Response will be provided to emergency medical services, non-medical civil protection personnel, volunteers, and citizens for extensive testing in the framework of a rich Training, Testing and Validation Programme

Triage and vital signs devices

Devices and mobile applications that assist with unique identification of victims and show the triage status of patients. The devices offer hands-free functionalities and visualisation of vital signs of patients

DEVICES

DIGITAL TRIAGE TAG   TRIAGE AND VITAL SIGNS APP
VITAL SIGNS EARPLUG   AUGMENTED REALITY GLASSES
FIRST RESPONDER WEARABLE

Intelligent systems

Intelligent systems that enhance situational awareness and operational capacities of emergency teams. The systems provide information about mass casualty incident scenes quickly, supporting fast triage, diagnosis and prognosis of patients whilst allowing optimal utilization of resources and assets

DEVICES

UAV RAPID TRIAGING SYSTEM   RESOURCES AND ASSETS OPTIMISATION
THERMAL SCANNING SYSTEM   DIAGNOSIS AND PROGNOSIS SERVICE

Interoperability and data fusion

Information-processing modules support interoperable access of heterogeneous data from the field and open data sources. The system integrates early warning notifications and provisional recommendations that can be communicated to victims and the general public.

DEVICES

EARLY WARNING AND RISK ASSESSMENT   DATA LAYER
DECISION SUPPORT SERVICE   INTEROPERABLE DATA LAKE

Multi-Agency collaboration

Integrated systems that provide a common operational picture and advance coordination and cross-team collaboration of emergency medical services and civil protection agencies

DEVICES

SWAPP APP   NG 112 (PSAP)**   (C3/IMS)*
AUGMENTED REALITY SERVICE   SCENARIO BUILDER

**PSAP =PUBLIC SAFETY ANSWERING POINT   *CC3/IMS = COMMAND, CONTROL AND COORDINATION & INCIDENT MANAGEMENT SYSTEM