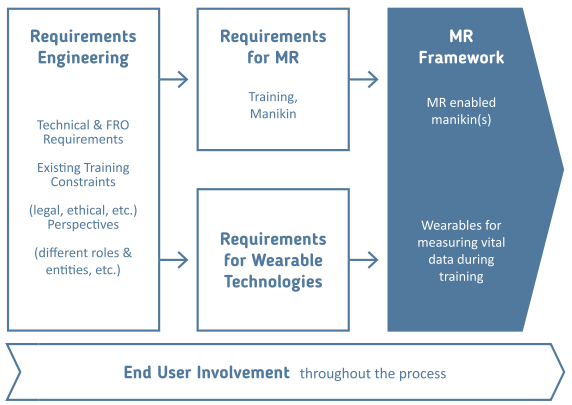
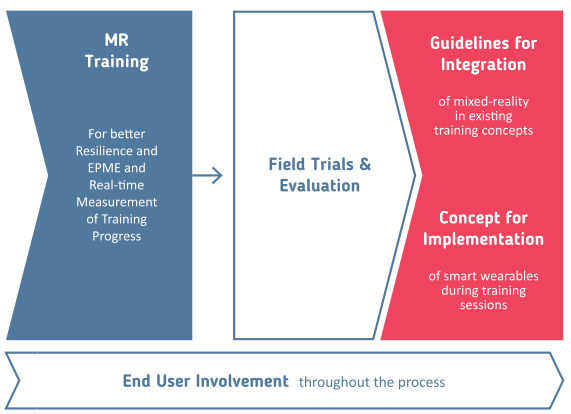
Timeline & Work Packages

Year 1 – Requirement analysis, scientific model

Year 2 – Training concepts & technical innovation

Year 3 – Field trials & validation of MR training





Contact & Project Details

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Project number: 101021775
Project Acronym: MED1stMR
Starting Date: 01.06.2021
Duration: 36 Months

Project Partners

A multidisciplinary team of 19 European partners collaborates for 3 years on MED1stMR.

Coordinator: AIT - Austrian Institute of Technology GmbH – Center for Technology Experience, AT

- Ruprecht-Karls-Universität Heidelberg, DE
- Umeå Universitet, SE
- Universität Bern, CH
- Montanuniversität Leoben – Department Zentrum am Berg, AT
- Refense AG, CH
- PLUX, Wireless Biosignals S.A., PT
- D2D Holding B.V./ Simulators for healthcare training – Medical-X, NL
- Idener Research & Development Agrupacion De Interes Economico, ES
- USECON – The Usability Consultants GmbH, AT
- Mindconsole GmbH, AT
- SIM CAMPUS Center for emergency-, crisis and disaster simulation and disaster diplomacy GmbH, AT
- ELLINIKI OMADA DIASOSIS SOMATEIO (Hellenic Rescue Team), GR
- Johanniter Österreich Ausbildung und Forschung gemeinnützige GmbH, AT
- SERMAS - SUMMA, ES
- Universitätsklinikum Heidelberg, DE
- Region Jämtland Härjedalen, SE
- Johanniter International, BE
- Autonoom Provinciebedrijf Campus Vesta, BE

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MED1st MR
Mixed Reality Training

TRAIN
[SKILLS. RESILIENCE. PERFORMANCE]
SAVE LIVES

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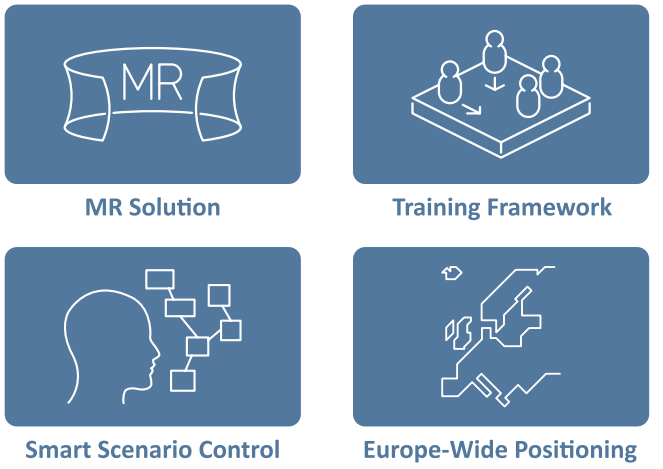

Key Benefits

- Novel developed training technologies for medical first responders including haptic, VR and stress measurement
- Raise situational awareness in trainings
- Train resilience of medical first responders
- Better prepared medical first responders have an important societal impact on European citizens
- Compliance with regulations on ethical, legal, safety and privacy in the field
- Contributing to the European safety strategy

About MED1stMR

The European **research and innovation project** MED1stMR, funded by the Horizon 2020 programme, aims to transform medical training to better prepare **medical first responders (MFR)** for stressful and highly complex **disaster situations** and to improve their **resilience**.

We develop a highly innovative **mixed reality training technology** to combine real-world medical simulators with virtual environments and smart scenario control options, based on a scientifically evaluated model.

TRAIN
[SKILLS.
RESILIENCE.
PERFORMANCE]
SAVE LIVES

Why do we need MED1stMR?

Crisis situations (natural or human-made) are raising worldwide – medical first responders need to **perform and decide** about **life saving** procedures and diagnosis.

They need **adapted training strategies** to be **better prepared** for the unexpected and to cope with different stressors.

Haptic is necessary for medical training – to enhance realism, medical virtual reality (VR) scenarios will be enhanced with a VR-enabled simulation manikin and biosignal measurement of the trainee status to adapt the training to the trainee's needs.

Key Benefits / Target Group

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