FREQUENTIS
FOR A SAFER WORLD

Next level safety-critical communication

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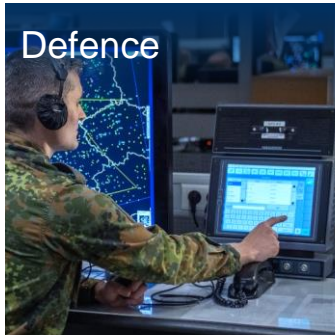
We focus on safety-critical control centres

Air Traffic Management

Public Safety and Transport

Civil

- Air navigation service providers
- Aeronautical data service providers
- Flight information service providers
- Airports
- Unmanned traffic service providers
- Space agencies

Defence

- Air force
- Army
- Navy
- Homeland security
- Joint forces

Public Safety

- Police forces
- Fire services
- Emergency and medical services
- Critical infrastructure for industries

Public Transport

- Heavy rail
- Urban rail

Maritime

- Coast guard / Navy
- Offshore
- Port authorities
- Search and rescue

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Looking to participate in joint research work in the following areas (1)

- **Enhance First Responder Capabilities**: We aim to augment the capabilities of first responders through advanced communication technologies. Our focus is on developing mission-critical services on top of emerging 5G networks.

- **Enable Drones for Emergency Services**: We enable drone users to develop and deploy drones for emergency services and other applications.

- **Evolve Hybrid Reliable Networks**: We create wireless and terrestrial highly dependable information and communication networks. We aim to include emerging Low-Earth-Orbit (LEO) satellite links into our next generation hybrid networks.

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Looking to participate in joint research work in the following areas (2)

- **Amplify Products with AI and ML**: We support customer use cases through significantly enhanced product features with artificial intelligence and machine learning capabilities, such as object and anomaly detection.

- **Boost Data Exchange**: We provide and improve data exchange platforms across domains. Our goal is to assist users in managing reliable and structured information in multi-stakeholder environments.

- **Evolve Control Center Design**: We are involved in defining and designing control centers of the future for a range of applications, including drone operations and autonomous vehicle management.

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Partners sought

Our goal would be to support one use case in a bigger consortium that would usually work on 3-4 use cases.

Therefore, we are looking for

(a) organisations, e.g. Emergency Services, that define requirements for the use cases and would later also be the beneficiaries of the solutions developed,

(b) companies who provide complementary tools and solutions,

(c) research partners who would carry out necessary studies and be willing to help with disseminating the results.

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Experience in EU R&D&I Projects

- Track record: 6 FP7, 38 H2020 and 13 HE projects
- Biggest experience in SESAR
- Successful past cooperations include
  - SATIE (832969) - "Security of Air Transport Infrastructure of Europe"
  - ADACORSA (876019) - "Airborne Data Collection on Resilient System Architectures"
  - SlotMachine (890456) - "A Privacy-Preserving Marketplace for Slot Management"
- Currently, we are active in
  - MobiSpaces (101070279) - "Mobility Data Space"
  - 7 projects within SESAR3 - Joint Undertaking to create the Digital European Sky
  - 2 projects within ERJU (101101973, 101102001) - "Europe's Rail Joint Undertaking"
  - 2 more projects just starting: "ShapeFuture", "ESMA"