



# S3 WIRELESS ICT PARTNERSHIP

## 5G for remote patient monitoring

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# Project idea

- Remote patient monitoring in hospital, health center, bed compartment or at home
  - Wirelessly data from patient to local edge server
  - Use edge computing for AI based analysis
- Special use case: monitoring of emergency patients during transfers
  - Full situational information during the transfer

# Project goals

- Pilot for 5G NR based remote patient monitoring platform
- Pilot for AI analysis in edge server
- Clarify benefits of remote monitoring from patient, health care staff, and healthcare companies' point of view in emergency cases and in first aid
- Clarify regulations in hospital environment and potential differences within EU and other countries

# What we need is...

- Partners who have sub 6GHz 5G NR test network to supplement our 5G NR mmW test network
- Partners who are developing remote care tools to medical sector
- Partners who are studying the protocols and methods to transfer data between care units and remote locations
- Partners who have expertise of researching and developing AI based solutions for remote monitoring and emergency care
- Partners who have suitable equipment for remote care pilots in other markets