



Mobile Ad-hoc Network (MANETs)

AaREST, QB50, SSTL-SAR



### COTS Integrated Devices

- Wireless Sensor Ics 'Motes'
- COTS Smart-phone Technologies (STRaND-1)



### Dist. Computing Software

- Middleware
- Internet Protocols (IP)
- ESA Bus Standards (CCSDS)
- Service Oriented Architectures (SOA)
- Security & Encryption



### Groundstation Hardware

- GENSO Support
- Open Bands (ISM)
- Software Defined Radios (SDR)
- Comms. Schemes (QPSK, T/CDMA)



### Groundstation Software

- Telemetry, Telecommand & Control (TTNC)
- GENSO Data storage & dissemination
- Support Autonomy