

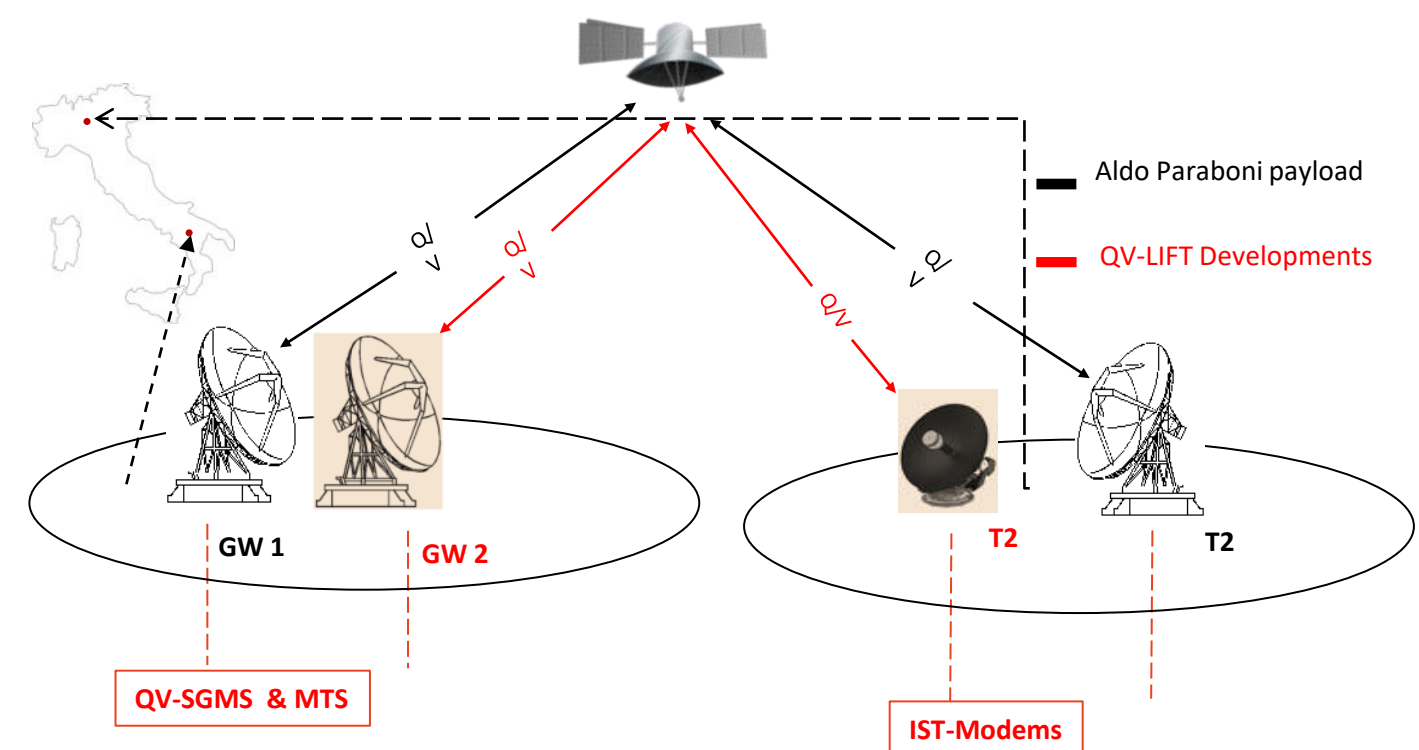


Increasing the maturity level of key satellite communication technologies

THE CHALLENGE

Developing the foundation of the Ground Segment Technology for the future Q/V band SatCom systems

THE GROUND SEGMENT



QV-LIFT Developments (I) RF BUILDING BLOCKS

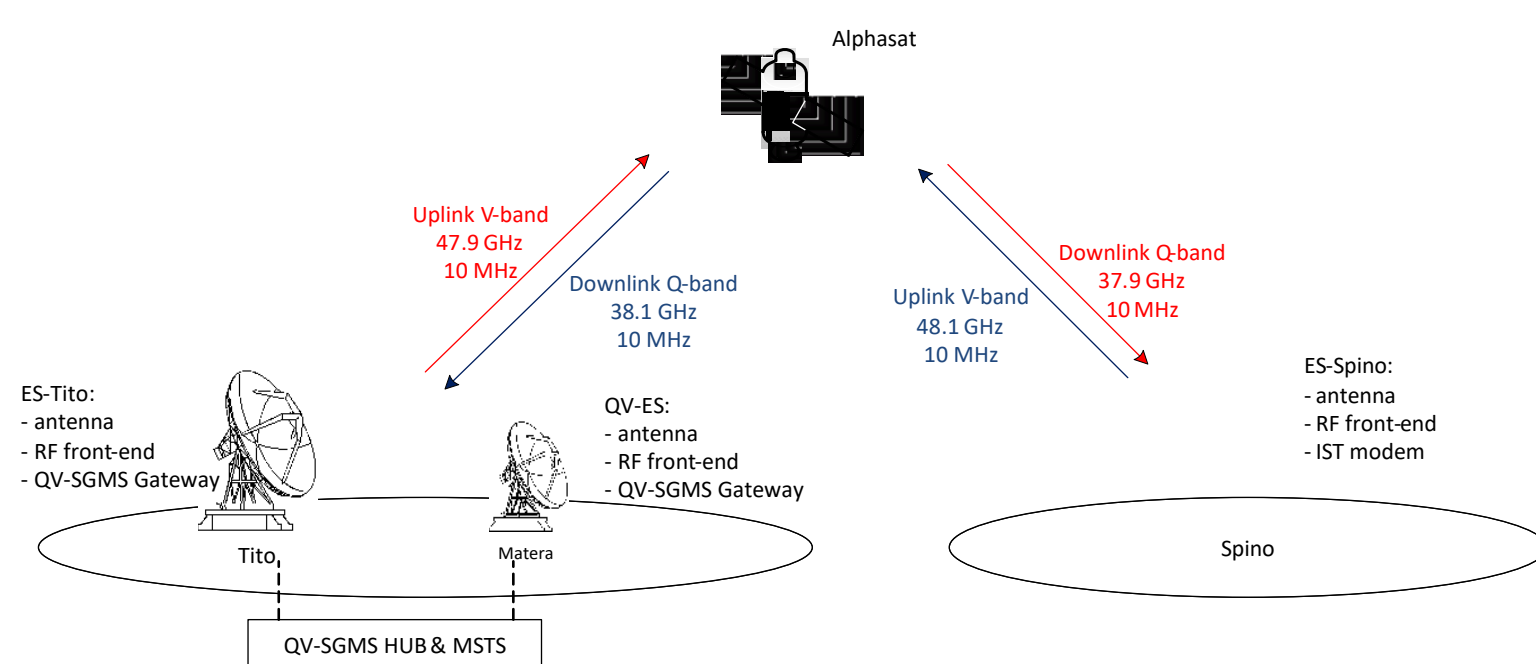
- GaN V band MMIC
- Power Combining SSPA
- V band Block Up Converter
- Q band Low Noise Block down Converter
- Q/V band Antennas
- Q/V band Fixed Station
- Q/V band Mobile Terminal

QV-LIFT Developments (II) SMART GATEWAYS MANAGEMENT SYSTEM

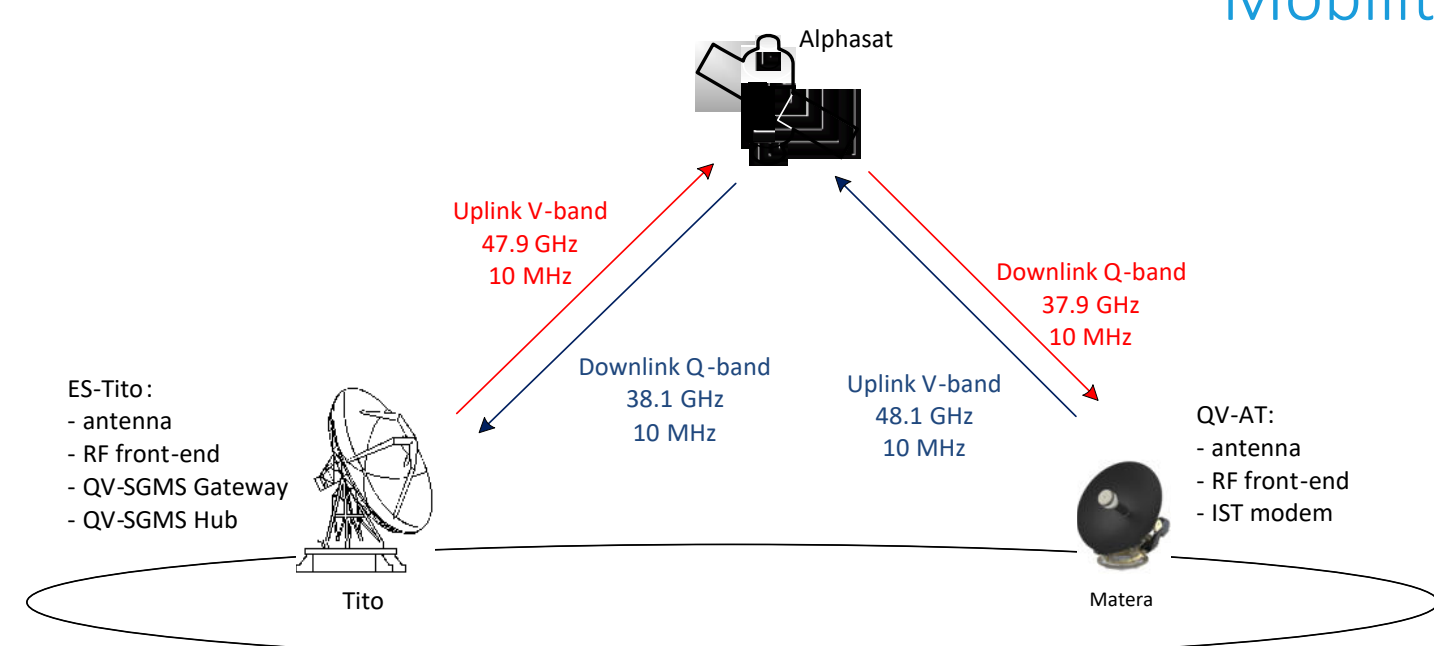
- Network Management System:
 - Gateway Switching
 - Soft Diversity
- Multi-site Time Series Synthesizer

TEST SCENARIOS

Gateway Switching and Soft Diversity Test



Mobility Test



Call reference: H2020-SPACE-COMPET

Project Coordinator: Agenzia Spaziale Italiana

Start date: 01/11/2016

Duration in months: 36 months

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The Consortium



Coordinated by



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