

# SYSTEMS VV&T

## SATELLITE COMMUNICATIONS

SATELLITE COMMUNICATIONS ENGINEERING



### VERIFICATION, VALIDATION AND TEST (VV&T) SERVICES

Telespazio UK, through its recent acquisition of e2E, takes a leading role in the definition, planning and execution of integration, validation, verification, and acceptance testing activities for satellite communications system implementations. Specific expertise is offered in relation to ground and user segment testing, well backed by our experience in space segment testing, notably related to the performance of satellite communications payloads, TT&C subsystem operation and satellite in-orbit and compatibility testing.

We are typically engaged to support large global and regional satellite delivery systems comprising segments, subsystems and assemblies provided through a diverse range of recognised manufacturers and suppliers. Our expertise is mainly applied to satellite communication systems (GEO, MEO and LEO).

Telespazio UK is greatly placed to either lead or support the definition and implementation of VV&T activities across the end-to-end system lifecycle.

Our activities encompass a multitude of test engineering

disciplines and test management applied to complex systems. These include:

- › Early systems development confidence testing
- › Pair-wise testing between different suppliers
- › Integration & Test
- › VV&T strategies, plans and campaigns
- › Verification and acceptance testing
- › Interoperability testing
- › In-field alpha/beta test trials
- › Service readiness testing
- › Space segment testing: communications payload testing, Telemetry, Tracking and Control (TT&C) and In-Orbit Test (IOT)