

e2E Services Limited (e2E) provides systems engineering support to a wide range of global, regional, and national satellite communication systems and programmes. Our engineers are experienced in antenna technologies, RF design, modem implementation and baseband IP network routing and management. This has been applied across all satellite system types (FSS, BSS, MSS) and constellations (GEO, MEO, HEO, LEO). Expertise is provided on hardware, software, and firmware aspects and can be provided across the full end-to-end system.

### Core Competencies

Whether leading or supporting the technical definition, design specification and subsequent implementation of a communication network or system, e2E's expertise has notably be called upon from initial system feasibility definition, through the formal system engineering design lifecycle and for post equipment support and obsolescence management. We have a wide experience of various satellite operators, providers, system integrators and equipment vendors. We can work equally well as part of the client engineering team or take on full end-to-end delivery responsibilities.

CSE activities encompasses a multitude of systems engineering managing and modelling capabilities as applies to complex systems and particularly including:

- ✈ Independent technical evaluation and due diligence exercises
- ✈ Purchase vs development trade-off analyses
- ✈ Technical feasibility assessments including system architectures, frequency bands, link budget analysis and engineering costing of systems, services, products and applications
- ✈ Mission and system definition using best inbred requirements management tools
- ✈ User, system, segment and subsystem requirements definition and baseline design management using various modelling tools
- ✈ Communication service definition and supporting quality of service characteristics
- ✈ Architectural design definition at system, segment, and subsystem level including interface management and definitions
- ✈ Hardware and software engineering trade-off analysis
- ✈ Rapid engineering prototyping of hardware and software using agile development approaches
- ✈ Subsystem design, development and test
- ✈ Communications systems modelling, real-time simulation and emulation