



SMS Gateway Services



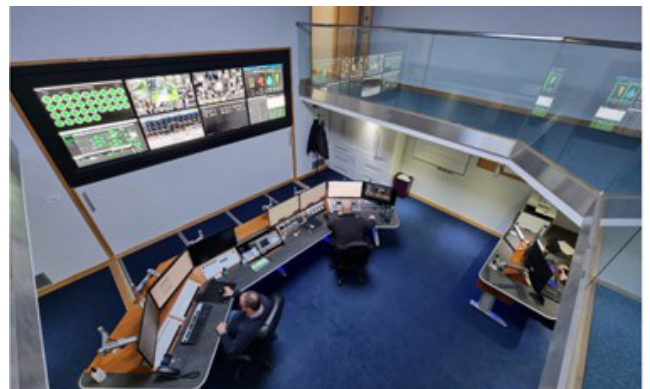
The SMS Teleport ground segment operation is strategically positioned in clean RF environment in Rugby, United Kingdom, from where it connects over dedicated multi-gigabit terrestrial fibre in 2 m/s to diverse global peering points in the telecom capital London.

The teleport benefits from a clear line-of-sight to over 100 communication satellites between 60°E to 60°W and hosts over 80 antennas in a range of sizes in C- Ku- and Ka-band.

The SMS teleport provides hosting and gateway services to a number of leading global players. Over the past few years, SMS has steadily expanded the number of antenna systems at its Rugby site which it uses to provide ground segment services to customers in broadcast and network business. A number of these are maintained in ready-for-service state for use by existing and by new customers.

Over the past 2-years SMS has invested in the expansion of its infrastructure for giving service to the proliferating number of next-generation NGSO satellites and constellations. Their transformative technologies have resulted in the introduction of a ubiquitous low-latency, high-speed telecom layer into satellite operations in general. As a result, satellite services have gained an increasingly prominent role in our increasingly software driven IT and data telecom ecosystem, one that draws on the next-generation qualities for online applications that knit together commercial enterprise with surveillance and intelligence uses.

Against this background of a combined GEO reach and LEO speed with strengthened security, SMS is now expanding




The state-of-the-art Network Operation Center of SMS' teleport.



its ground segment service operation.

In its first (and current) phase of expansion, SMS is introducing monitoring, tracking and control services and uplink services for specialist Internet of Things (IoT) and Earth Observation (EO) LEO operators.

Work on this new phase of site expansion has already begun. It involves the introduction of 2 large pedestals for full motion tracking designed to carry 13-m antennas as well as 2 additional pedestals for 5-m high-precision stations, each with a choice of interchangeable CP feed systems for services in L – S – X and Ku bands.

The future SMS is preparing for is one in which next-generation satellites and satcom services will be capable of integrating their advantages with GEO operations derived from multi-orbit interoperability opportunities as well as with terrestrial networks, thereby opening new perspectives for future ground segment operations. 

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