

NEXT GENERATION COMMUNICATIONS TECHNOLOGY

will fundamentally change how consumers and businesses communicate, enabling new use cases that capitalize on:



5G's speed



Improved performance



Flexibility

Satellite is ideal to bring 5G to rural areas: **50 Mbps downlink** / **25 Mbps uplink** for rural macro environments*

Pace of 5G roll-out:



Global deployments are expected to accelerate in the 2020-2025 timeframe**

5G network expected to cover more than 40% of the population by 2024**

SATELLITE INFRASTRUCTURE FOR 5G: SEAMLESS INTEGRATION



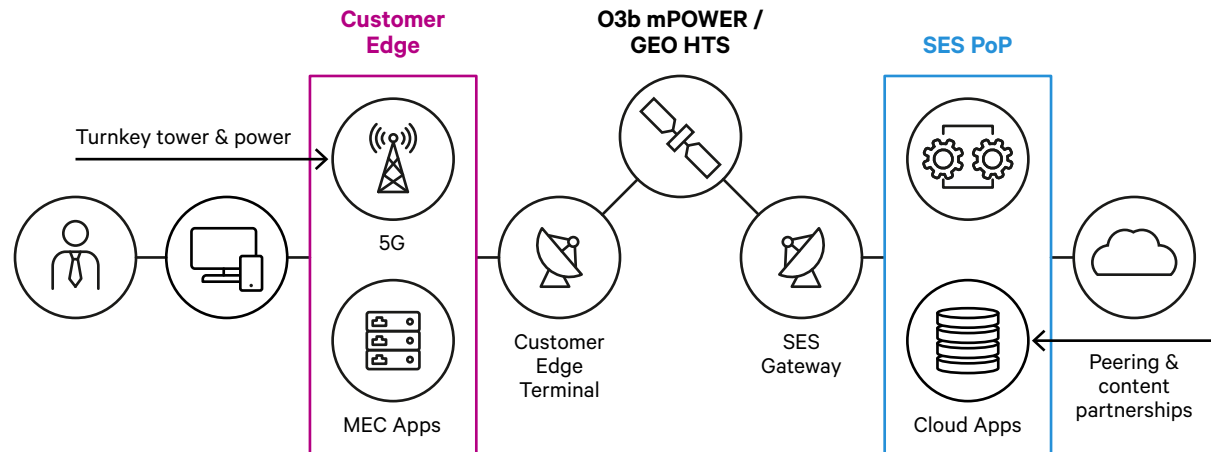
MANAGEMENT & ORCHESTRATION



End-to-end service orchestration



Network and service automation



ROLE OF THE SATELLITE IN THE 5G ECOSYSTEM

Satellite's ubiquitous availability helps accelerate global 5G deployment on the ground, at sea and in the air

TRUNKING & HEAD-END FEED

Satellites provide a very high speed direct connectivity option to remote / hard-to-reach locations

BACKHAULING & TOWER FEED

Satellites provide a high speed connectivity (incl. multicast content) to wireless towers, access points and the cloud

COMMS ON THE MOVE

Satellites provide a direct and/or complementary connection for users on the move (e.g. on planes, trains, automobiles and ships)

HYBRID MULTIPLAY

Satellites provide a complementary connection to terrestrial broadband for the delivery of content (as well as direct broadband connectivity in some cases)

*3GPP

**Ericsson