

Land-based services

Satellite links for both fixed and transportable solutions





CONNECTIONS FOR REMOTE OPERATIONS

Dedicated and shared Connections

The land-based VSAT services of Telenor Satellite offer always-on dedicated IP backbone links via satellite to provide larger internet service providers (ISPs) and carriers with reliable communication links for remote operations.

Telenor Satellite's land-based satellite services overcome the limitations of the local loop by utilising advanced point-to-point or point-to-multipoint network topologies. Land-based services from Telenor Satellite offer both fixed and transportable solutions that can incorporate transmission, space-segment capacity, equipment hosting and multiplexing services. They thereby provide a perfect means to extend terrestrial networks and provide services to remote areas.

High-powered satellite capacity for terrestrial network coverage

The European and Middle East beams of Telenor's satellite fleet at 1° West offer very attractive coverage to facilitate the provision of satellite broadband communication. Telenor Satellite has also established inclined-orbit satellite operations at 4° West for Middle East coverage.

Telenor Satellite's own high-powered capacity, coupled with our third-party resources, enables extensive geographical coverage and allows us to deliver data-communication services throughout Europe, the Middle East and Africa.

Operations from the ground

Delivering 24/7 support, satellite capacity, internet-backbone connectivity and teleport facilities, Telenor Satellite's land-based services provide flexibility and reliability for the delivery of high-speed, always-on internet access.

Service platforms

Telenor Satellite offers a choice of standard options across a host of technology platforms such as SCPC,

DVB-S2, MCPC, DVB-RCS and iDirect. Our service models – wholesale, virtual network operator (VNO), and managed – give our customers the flexibility of being in control of their own services.

Teleport infrastructure

Telenor Satellite has one main teleport location in Norway as well as a large teleport in the UK. It also operates a Middle East gateway in Cyprus at the premises of teleport-hosting partner CYTA. All of Telenor Satellite's teleports offer ideal facilities for hosting satellite-communication solutions. Environmentally controlled housing and resilient power supplies enable continuous operations and ensure the provision of secure, efficient and reliable managed and unmanaged rack space, which is situated close to the antennas used for uplinking and downlinking.

Through remote connectivity to the technology platform, customers are able to monitor service quality and control network configuration. They are also able to co-locate equipment that can be integrated into a variety of value-added services, including VoIP (voice over IP), firewalling and advanced traffic management.

Services summary:

- High-powered satellite capacity provision
- Hosting and co-location services
- Tier 1 backbone connectivity
- Uplink and downlink services

Features of our land-based service portfolio include:

- State-of-the-art VSAT technology
- Global internet access
- 24/7 operations
- 1-155Mbps access speeds
- Very high QOS with customised SLA

FUTURE GROWTH CAPACITY

Telenor Satellite continues to seek ways to innovate and expand its satellite-services portfolio and thereby provide its customers with enhanced services, greater reliability and security to enable their future growth at 1° West.

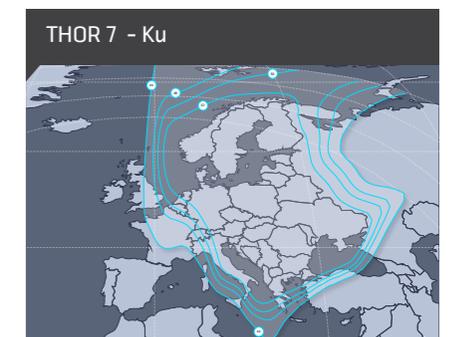
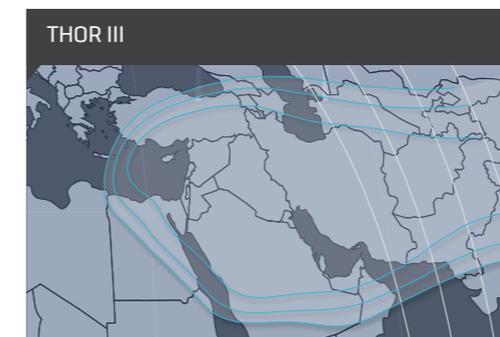
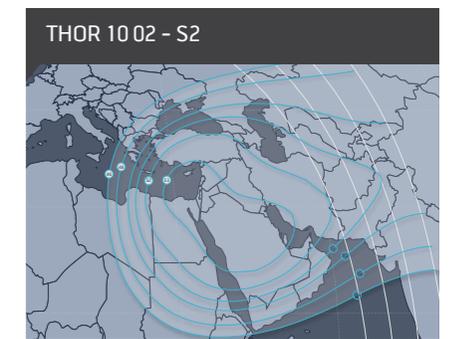
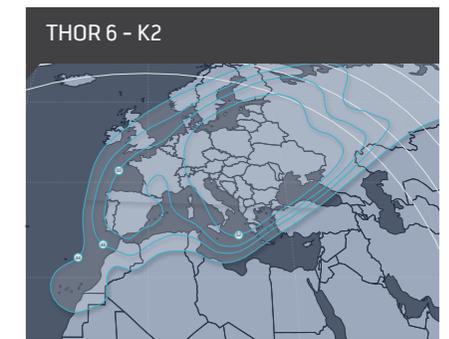
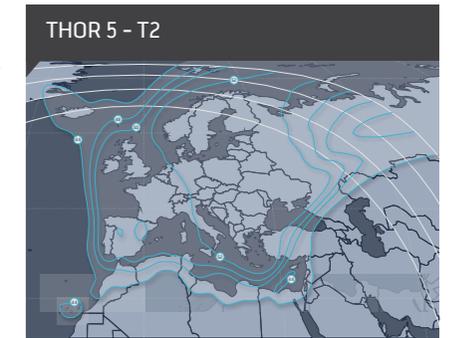
THOR 7, Telenor's latest satellite is equipped with a Ka-band payload that allows Telenor Satellite to strengthen its satellite-services proposition. THOR 7 provides extensive satellite capacity and greatly increased throughput capability for data-communication services in areas including the Middle East.



Our satellite fleet

Our satellite fleet offers attractive coverage for broadcasting and data services throughout the Nordic region, Europe and the Middle East. Telenor Satellite operates from the orbital locations of 1° West and 4° West.

SATELLITE	ORBITAL POSITION	COVERAGE
THOR 5 T1	1° West	Nordic region
THOR 5 T2	1° West	Pan European
THOR 6 K1	1° West	Nordic region
THOR 6 K2	1° West	Central and Eastern Europe
THOR 7 Ku-band	1° West	Central & Eastern Europe
THOR 7 Ka-band (fixed)	1° West	North Sea, Red Sea, Baltic Sea, Persian Gulf & Mediterranean Sea
THOR 7 Ka-band (Steerable)	1° West	Likely position over the North Sea
THOR 10 02 S1	1° West	Europe
THOR 10 02 S2	1° West	Middle East
THOR III	4° West	Middle East (inclined orbit)



About us

Telenor Satellite is a major European satellite provider of broadcast and broadband services for customers in the media, maritime, and oil and gas sectors.

Utilising a hybrid network that comprises our satellite fleet, teleports and a terrestrial fibre network, Telenor Satellite delivers turnkey broadcasting solutions, end-user connectivity and application services via satellite throughout Europe, the Middle East and Africa.

From the distribution of digital TV and radio content to millions of European homes to the provision of reliable communications in remote locations on land and at sea, we are committed to keeping our customers connected via satellite.

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