

# Anker Land Managed Services



VSAT solutions to extend  
terrestrial networks.

telenor | satellite

# About us

Telenor Satellite is the leading European satellite provider of satellite broadcast and data communications services for maritime, offshore, and land-based sectors.

We operate a hybrid network comprising our THOR satellite fleet at 1° West, teleports and a terrestrial fibre network, delivering reliable high-powered satellite communications links to remote locations in the Nordics and across EMEA. We serve over 18 million homes, nearly 1800 vessels and close to 300 land terminals.

As part of Telenor Group, one of the longest established and leading telecoms companies in the world, the Telenor Way is at the core of everything we do. We strive to do business with integrity, to achieve sustainability and, first and foremost, to offer the highest levels of quality as we connect you to what matters most.



## Unique coverage

Our high-powered Ka and Ku-band connectivity from 1° West extends across EMEA and the Nordics, up to 79° North.



## Trusted partnerships

We care about our industry and take pride in delivering the promised service with precision, integrity and mutual respect.



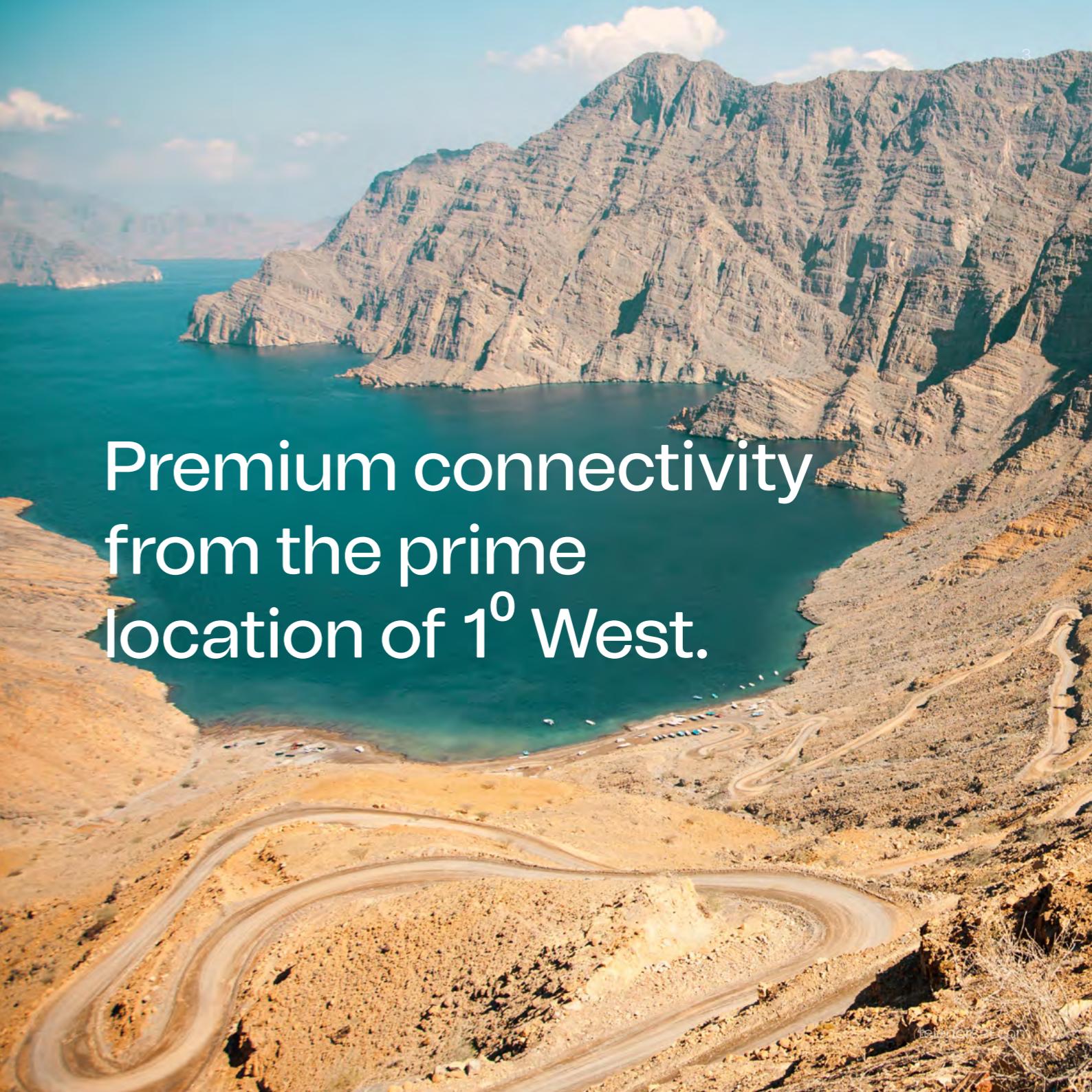
## Innovative solutions

We don't accept the status quo but continually challenge ourselves to push boundaries, expand our expertise and create future-proof solutions.



## "Always-on" service

Our bespoke solutions supported by our agile and responsive team of experts mean you get the service you deserve at the time it is needed.



Premium connectivity  
from the prime  
location of 1° West.

# Anker Land Managed Services

Our versatile and readily accessible Anker Managed Services portfolio offers solutions capable of meeting the unique requirements of the different land-based sectors. It offers a scalable model, fixed contention rates, unlimited service, predefined high-powered coverage and shared bandwidth packages. Anker is available in Speed and Custom service profiles.



## Speed

Speed service profiles are ideal for users requiring a high-quality connection and fixed monthly costs. Service profiles can be selected from a pre-defined list.

- Up to 25/3 Mbps profiles
- Guaranteed CIR with burstable MIR
- Fixed monthly rates



## Custom

Custom service profiles are perfect for users looking for full flexibility and service packages tailored to their individual requirements with custom rate-based service profiles.

- Symmetric/asymmetric profiles
- Wide selection of contention rates
- Fixed monthly rates

We provide high-powered VSAT service for fixed and transportable configurations, with exceptional coverage across EMEA.

Our “always-on” connectivity offers the perfect choice for extending terrestrial networks to the most remote areas.



## Anker Ka-band

- Coverage: Middle East, North Africa, Europe
- High Throughput Satellite (HTS)
  - High-powered spot-beam technology
  - Sophisticated rain fade mitigation techniques
- VSAT platforms: iDirect Evolution®
  - Wide range of service profiles up to 25/3 Mbps
  - Fixed monthly rates with unlimited data
- Tailored SCPC and “Carrier in Carrier” solutions
- Flexible service terms with monthly service plans
- Tailored IP configurations
- Fixed and transportable antennas supported, ranging from 50cm to 1.8m
- Dual and diverse internet backbone
- 24/7/365 technical support

## Anker Ku-band

- Coverage: Middle East, Africa, Europe
- VSAT platforms: iDirect Evolution®, Newtec Dialog®
  - Wide range of service profiles up to 75/10 Mbps
  - Fixed monthly rates with unlimited data
- Tailored SCPC and “Carrier in Carrier” solutions
- Flexible service terms with monthly service plans
- Tailored IP configurations
- Fixed and transportable antennas supported, ranging from 50cm to 1.8m
- Dual and diverse internet backbone
- 24/7/365 technical support

# Aid and emergency response

## Extending stable connections

When disaster strikes there is no time to spare and aid organisations need to hit the ground running. Keeping in touch is not a luxury but an essential, and any delay in getting connected can lead to unnecessary hardship for those in crisis. But it's not simply the need for a rapid response that causes difficulties - conditions are often chaotic and the location is generally remote. Destruction of terrestrial services and infrastructure frequently result in total reliance on satellite communications.



**Making sure you're  
always within reach.**



## Taking the stress out of relief efforts

Whether via voice calls, text, data or streaming, connectivity from Telenor Satellite allows your people access to all relevant information so that personnel can be mobilised to where they are needed most. Our services enable you to manage both supply chains and communication channels and ensure that you are able to receive real-time data about the conditions on the ground.

## Supporting you while you support others

Your aid effort is dependent on an agile and responsive service with a wide range of high availability bandwidth even in the most remote locations. Telenor Satellite's "always-on" dedicated IP backbone links provide reliable, low-latency communications backed by our 24/7 technical support. We can supply a tailor-made solution and deliver the security that you need with our Anker Land Managed or SCPC (Single Carrier Per Channel) services so you can be confident that your team has the connectivity resources to carry out their critical work.

# Transport

## Taking a connected journey

When letting the train take the strain, passengers today expect to have connectivity at their fingertips, so they can catch up on work, friends and the latest in entertainment. They may be on the move, but they expect communications links to remain stable.

**Keeping you on track  
with reliable performance  
on-the-move.**



## Linking all networks

Staying in touch is essential, so seamless connectivity is a must when taking a long voyage or travelling through sometimes remote or hostile locations. Real time updates are needed regarding potential hazards or delays to the journey. For passengers, convenience is the key – they require access to the same communications links as available at home or in the office.

## Delivering connectivity on the move

Providing an on-the-move connectivity to equal terrestrial services, Telenor Satellite offers a wide range of high-availability bandwidth profiles. Our “always-on” dedicated IP backbone links provide reliable, low-latency communications even in remote locations. With a flexible approach, we can supply a service at the level you need. All this is backed up by our 24/7 technical support, so you can be confident that your passengers have top-class connectivity.

# Energy

## Connecting to the field

As energy exploration becomes ever more remote, the working environment often proves to be hostile, and connectivity plays a vital role. "Always-on" communications links are needed to ensure the safety of both personnel and operations, while secure data transfer is essential for sharing business-sensitive and confidential information between the field and HQ.



**Connectivity to power  
safety and efficiency  
of your operations.**



## Supplying networks

In these far-flung locations, robust performance and speed are paramount to allow real-time monitoring of systems and resources. Uninterrupted communications facilitate the use of smart technology on site, ensuring minimum downtime, and enabling smooth, just-in-time operations across the entire supply chain.

## Powering performance

Telenor Satellite is agile and responsive, offering a wide range of high-availability bandwidth profiles. Our "always-on" dedicated IP backbone links provide reliable, low-latency communications for remote locations. With a flexible approach, we can supply a tailor-made solution at the level you need and deliver security with our Anker Land Managed or SCPC (Single Carrier Per Channel) services. All this is backed up by our 24/7 technical support, so you can be confident that your team has the connectivity resources to support your exploration and production requirements.

# Community

## Connecting societies

Bringing terrestrial services to remote areas can be difficult and costly. Satellite communications allow rural communities and businesses to connect with the wider world, giving them the ability to access data transfer, voice and video communications, internet and streaming services.



**Advancing connectivity  
to enable growth.**



## Sharing the world

When terrestrial connectivity is not an option, satellite communications can empower rural societies through access to global communities. For people living in remote areas, access to business, education and medical support is vital for them to flourish and, on a personal level, connectivity opens up a channel for sharing experiences and interacting with others around the world.

## Bridging the gap

Rural societies are empowered by dependable connections to the wider world. Telenor Satellite offers a wide range of high-availability bandwidth profiles with "always-on", dedicated IP backbone links providing reliable, low-latency communications. We supply a secure, tailor-made solution with our Anker Land Managed or SCPC (Single Carrier Per Channel) services to align with the needs of your communities and businesses. All this is backed up by our 24/7 technical support, so you can be confident that have the resources to stay connected to what matters most.

# Government

## Simplifying connectivity

With a complexity not seen in the commercial world, government networks require the highest level of security and reliability from communications links. Whether diplomatic, military or NGO, instant transfer of data via secure routes as well as responsive scalability, even when on the move, are prerequisites.



When every second counts, connectivity you can trust.



## Securing the ground

Resilient and dependable connectivity gives governments the confidence to securely carry out political, economic or social strategies while planning for future developments. When the unexpected arises, the ability to respond instantly, manage services and resources remotely, and keep in touch with those on the ground, is essential for governments operating on the international stage.

## Reinforcing communications links

Telenor Satellite's Anker Land Managed or SCPC (Single Carrier Per Channel) services ensures the highest level of security. Our "always-on" dedicated IP backbone links provide reliable, low-latency communications for remote locations. We can supply a tailor-made solution which is agile and responsive, and offers a wide range of high-availability bandwidth profiles. All this is backed up by our 24/7 technical support, so you can be confident that your staff have the resources to meet any challenge.

# Teleport services

Our main teleport located on the outskirts of Oslo in Nittedal, was established in 1985. It is one of Europe's largest, and the world's most northerly, earth stations.

There are 55 Systems & Operations Engineers employed in our NOC (Network Operations Centre), ensuring that we can offer round the clock customer support. As a member of WTA (the World Teleport Association) we have been certified as a Tier 3 teleport services provider, our Nittedal teleport meets all international security and safety standards.

In addition to our Nittedal teleport, we operate a Middle East gateway from the Makarios Teleport in Cyprus. Through these teleports we deliver managed data communications services for broadcasting, maritime mobility and the land-based sectors, as well as VNO (Virtual Network Operations) services for clients wishing to expand their network and increase capacity.



## Support from the ground

- Viewable Satellite Arc: from 45° West to 66° East (access to one third of the world's communication satellites)
- Satellite connectivity to major orbital positions:
  - Our THOR satellite fleet at 1° West
- Over 40 antennas with C, Ku and Ka-band capabilities
- Europe-wide 10Gb fibre ring providing access and connectivity to all strategic POPs



## 24/7/365 Customer support

- Network Operations Centre (NOC)
- Service monitoring and control
- Incident, request & change management (according to ITIL best practices)
- Engineering support, fault-finding, and service restoration
- Remote hands support

## Teleport services

- Uplinks and Downlinks
- iDirect® shared access services:
  - Ka-band Anker Managed Services on iDirect Velocity®
  - Ku-band Anker Managed Services and VNO on iDirect Evolution®
- Newtec Dialog® shared access services:
  - Ka-band Anker Managed Services
  - Ku-band Anker Managed Services
- SCPC including Carrier in Carrier services
- Dual and Diverse fibre interconnectivity (Tier 1)
- Hosting and co-location:
  - Antenna, rack and baseband hosting
  - Leased lines

# Coverage maps

At 1° West, we are favourably positioned to offer an exceptional coverage across the EMEA. Our THOR fleet provides Ka and Ku-band payload with an excellent look-angle across even the most remote locations throughout the Middle East and Africa that bypasses the limitations of the local loop.

THOR 7 Ka  
iDirect Evolution®



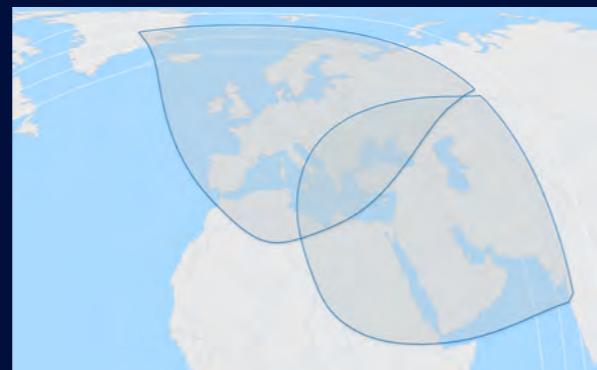
T11N Ku  
iDirect Evolution®



THOR 10-02 S1 Ku  
iDirect Evolution®



THOR 10-02 S1 & S2 Ku  
Newtec Dialog®



Satellite links that  
bypass limitations  
of the local loop.

# Anker Managed Service Profiles

## THOR 7 Ka – iDirect Evolution®

MIR Bandwidth*	CIR Bandwidth (kbps)	Contention Rate
2.5/0.5 Mbps	125/25	1:20
	250/50	1:10
	500/100	1:5
	2500/500	1:1
5/1 Mbps	250/50	1:20
	500/100	1:10
	1000/200	1:5
	5000/1000	1:1
7/1 Mbps	350/50	1:20
	700/100	1:10
	1400/200	1:5
	7000/1000	1:1
10/2 Mbps	500/100	1:20
	1000/200	1:10
	2000/400	1:5
	10000/2000	1:1
13/2 Mbps	650/100	1:20
	1300/200	1:10
	2600/400	1:5
	13000/2000	1:1
15/3 Mbps	750/150	1:20
	1500/300	1:10
	3000/600	1:5
	15000/3000	1:1
20/3 Mbps**	1000/150	1:20
	2000/300	1:10
	4000/600	1:5
	1250/150	1:20
25/3 Mbps**	2500/300	1:10
	5000/600	1:5

## THOR 10-02 Ku – Speed

MIR Bandwidth*	CIR Bandwidth (kbps)	Contention Rate
1024/256 kbps	51.2/12.8	1:20
	102.4/25.6	1:10
	256/64	1:4
1024/512 kbps	51.2/25.6	1:20
	102.4/51.2	1:10
	256/128	1:4
2048/512 kbps	102.4/25.6	1:20
	204.8/51.2	1:10
	512/128	1:4
2/1 Mbps	100/50	1:20
	200/100	1:10
	500/250	1:4
3/1 Mbps	150/50	1:20
	300/100	1:10
	750/250	1:4
4/1 Mbps	200/50	1:20
	400/100	1:10
	1000/250	1:4
5/1 Mbps	250/50	1:20
	500/100	1:10
	1250/250	1:4

\* 1Mbps = 1000kbps is applicable for all bandwidths stated in Mbps

\*\*Only available for iQ modems

## THOR 10-02 Ku - Custom\*\*

MIR Bandwidth*	CIR Bandwidth (kbps)	Contention Rate
2/2 Mbps	200/200	1:10
	500/500	1:4
3/2 Mbps	300/200	1:10
	750/500	1:4
4/2 Mbps	400/200	1:10
	1000/500	1:4
5/2 Mbps	500/200	1:10
	1250/500	1:4
6/2 Mbps	600/200	1:10
	1500/500	1:4
8/2 Mbps	800/200	1:10
	2000/500	1:4
12/2 Mbps	1200/200	1:10
	3000/500	1:4
15/2 Mbps	1500/200	1:10
	3750/500	1:4
20/2 Mbps	2000/200	1:10
	5000/500	1:4

## T11N Africa Ku - Speed

MIR Bandwidth*	CIR Bandwidth (kbps)	Contention Rate
1024/256 kbps	51.2/12.8	1:20
	102.4/25.6	1:10
1024/512 kbps	256/64	1:4
	51.2/25.6	1:20
2048/512 kbps	102.4/51.2	1:10
	256/128	1:4
2/1 Mbps	102.4/25.6	1:20
	204.8/51.2	1:10
3/1 Mbps	512/128	1:4
	100/50	1:20
4/1 Mbps	200/100	1:10
	500/250	1:4
5/1 Mbps	150/50	1:20
	300/100	1:10
4/1 Mbps	750/250	1:4
	200/50	1:20
5/1 Mbps	400/100	1:10
	1000/250	1:4
5/1 Mbps	250/50	1:20
	500/100	1:10
5/1 Mbps	1250/250	1:4

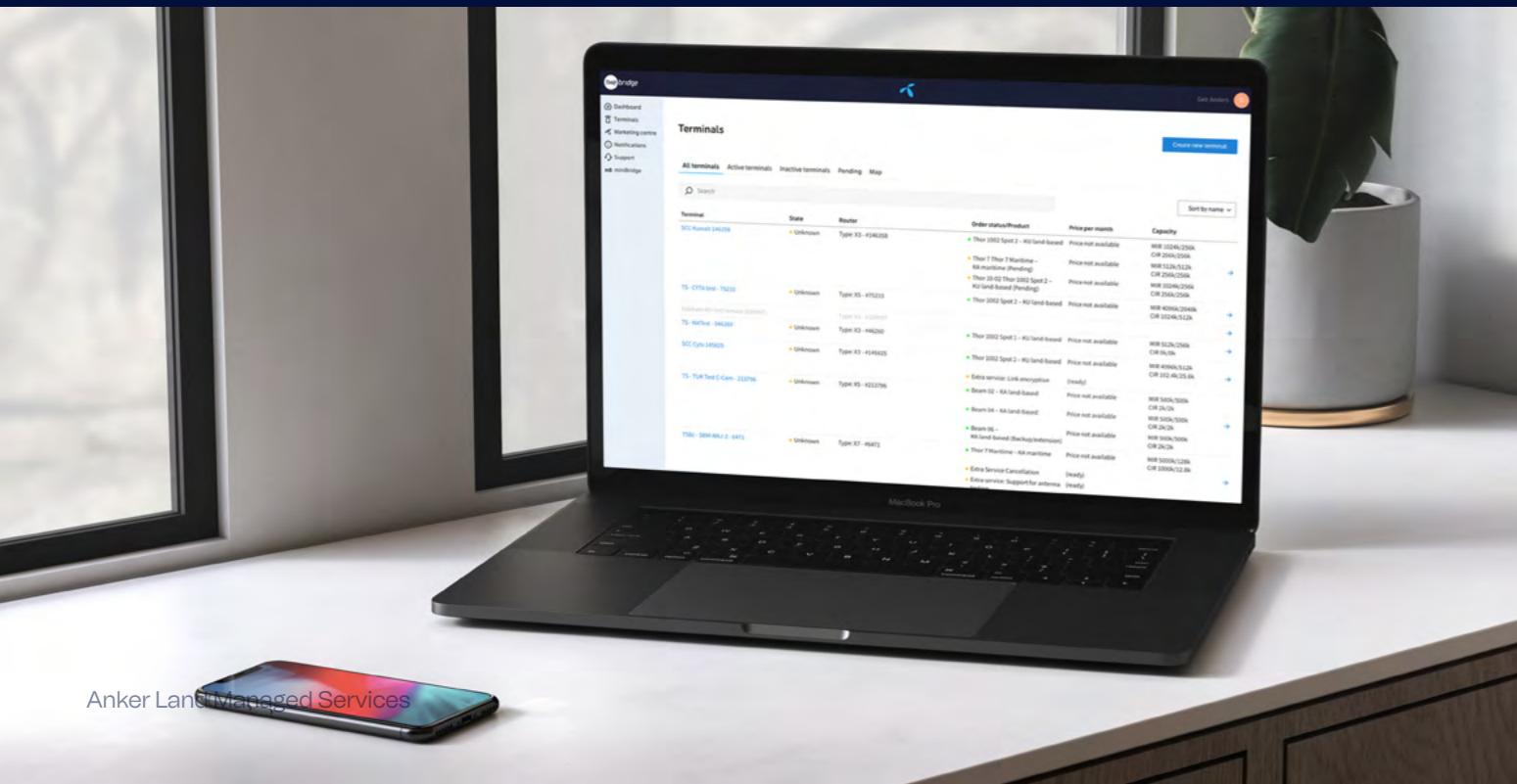
\* 1 Mbps = 1000 kbps is applicable for all bandwidths stated in Mbps

\*\* Custom profile is subject to availability and technical feasibility and requires separate quote from KAM.

For information on all available Anker Land Managed Service profiles, please contact your account manager or our team at [dataservices@telenor.com](mailto:dataservices@telenor.com)

\* 1 Mbps = 1000 kbps is applicable for all bandwidths stated in Mbps

# Your dedicated service portal



## The Bridge

The Bridge is our self-service portal, designed to support your sales activities and to give you the freedom to manage your services with ease. The Bridge is an interactive and intuitive tool, configured to improve overall quality and accuracy of information about your terminals, allowing you to:

- Order new or change existing services
  - Calculate price of service before you order with Anker Price Calculator
  - View live operational statistics and parameters related to your services
  - Access contractual and support documents
  - View and download latest offers, "how-to" guides, and marketing assets
  - Log support queries
- ...and much more.

# Our network of partners

We partner with over 100 resellers in the satellite connectivity sector, offering excellent coverage, support and customer service that is sure to please your clients. Working together, we serve the global maritime and land-based industries, while achieving mutual growth.

We are recognised for our expertise and quality of service, incorporating all the attributes embraced by all in the Telenor family. We welcome partnerships with companies who share our ethos and values.

Our reseller network is located throughout EMEA.



If you'd like to partner with us or find a Telenor Satellite reseller near you, don't hesitate to contact our Data Services team at [dataservices@telenor.com](mailto:dataservices@telenor.com)

Learn more about Telenor Satellite at [telenorsat.com](http://telenorsat.com)



Connecting you to what  
matters most.

telenor | satellite