

This is

The largest offshore high capacity  
communication network in the world

 tampnet

digital services



wind energy



maritime



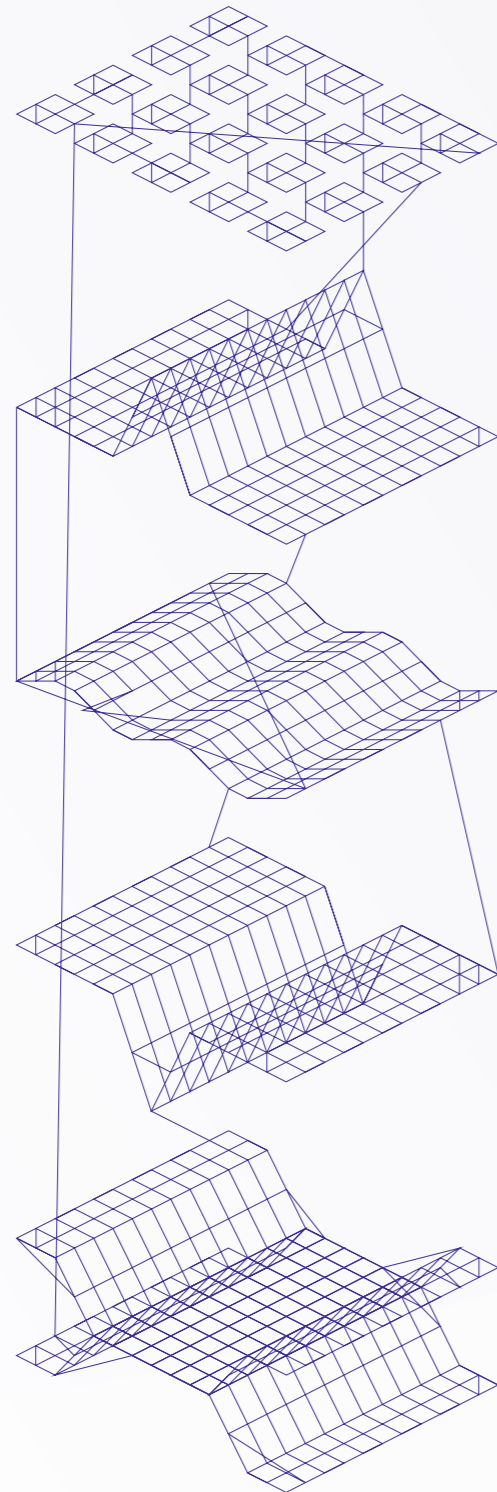
oil & gas



carrier



*Raising  
the Standard*



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# Tampnet enables the digital transformation

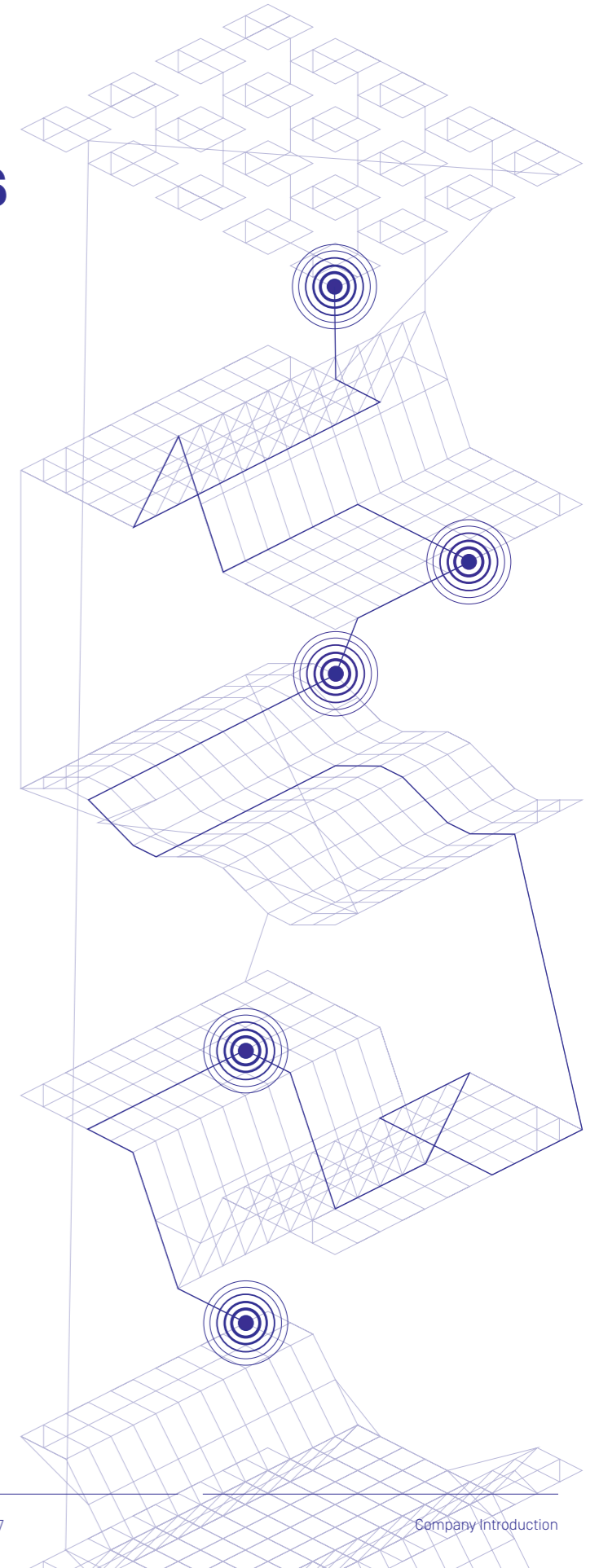
## Welcome to Tampnet

Tampnet was founded in 2001 in Sandnes, Norway and operates the world's largest offshore high capacity communication network in the North Sea and the Gulf of Mexico, serving customers within the Oil & Gas, Wind Energy, Maritime and Carrier sectors with first class telecommunications. The company employs more than 110 people, is headquartered in Stavanger, Norway and has subsidiaries in the USA, UK, Netherlands, Canada, Trinidad & Tobago and Brazil. Tampnet connects offshore installations to redundant and reliable terrestrial networks with high capacity and low latency (high speed).

Tampnet also installs and operates offshore 4G and 5G mobile networks enabling roaming, the digital transformation and internet of things (IoT) applications on offshore oil & gas platforms, offshore windfarms, service vessels and other commercial vessels.

Tampnet Carrier is Tampnet's European fibre infrastructure network, passing through eight selected countries. Tampnet Carrier is all about connectivity, capacity, speed and milliseconds – data transfer with minimum delay - without compromising quality and reliability. Our unique network routes connect 30 vital data centres in 12 European and American cities and central hubs.

## Enjoy reading!

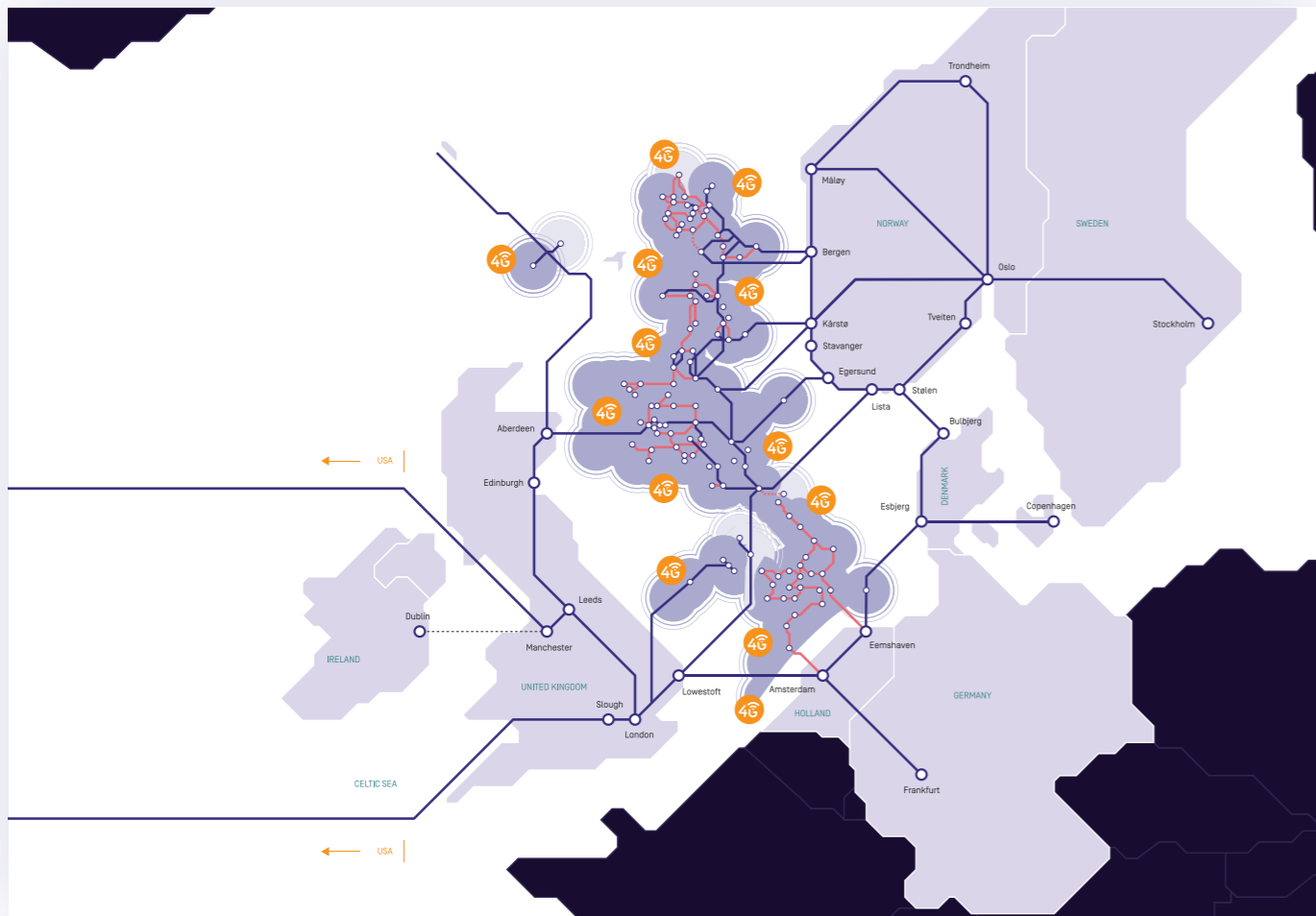


# Our Network

4,500km subsea fibre cable connecting 350 offshore assets



## North Sea

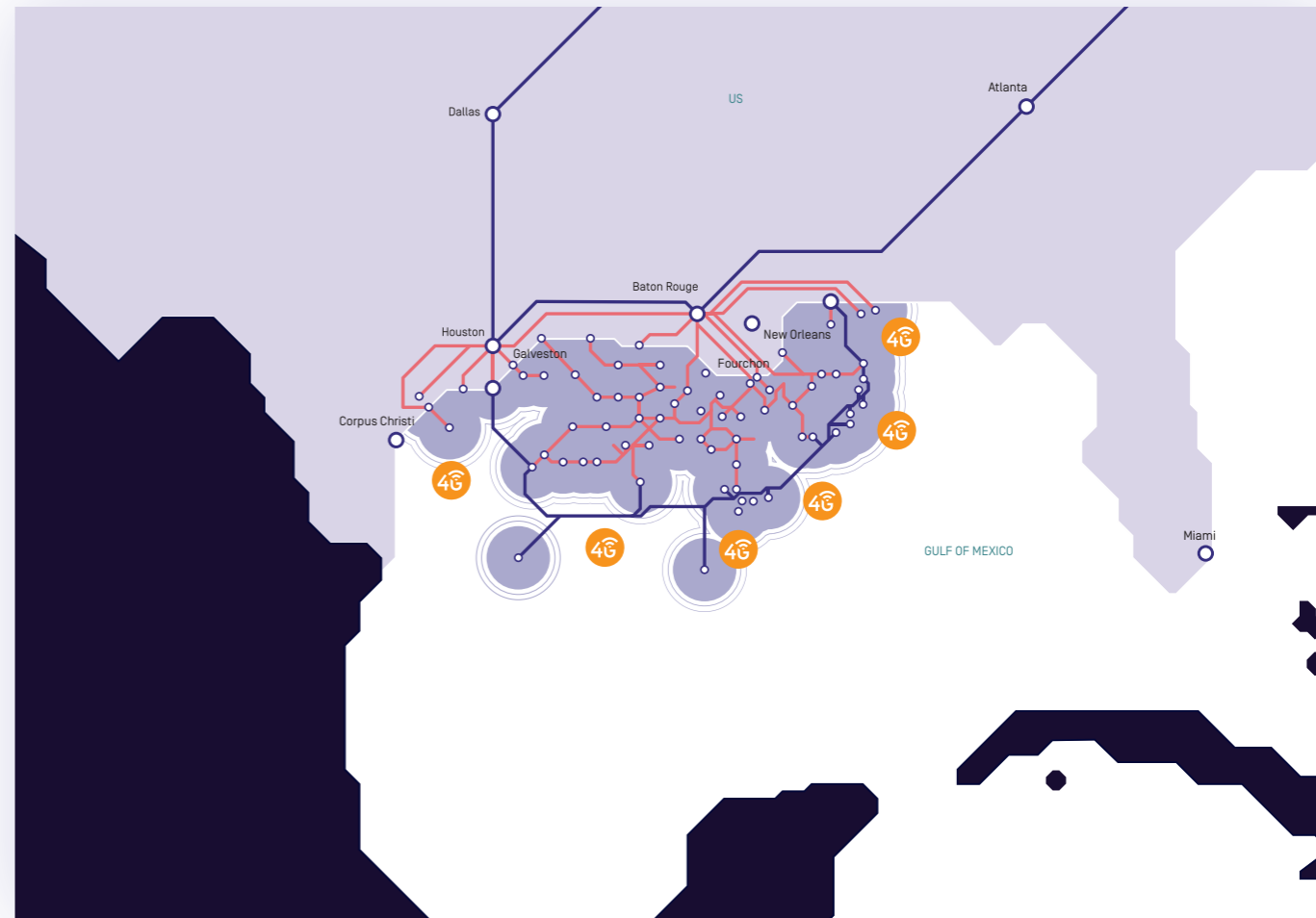


### Legend:

- Current 4G, NB- IoT, CAT M1 coverage
- Future 4G, NB- IoT, CAT M1 coverage
- Tampnet POP
- Fibre
- LOS



## Gulf of Mexico



THE  
TAMPNET

W

V

H

R

D

DEDICATED  
CARING  
INTEGRITY  
INNOVATIVE  
RELIABLE

# Historical Milestones



digital services



wind energy



maritime



oil & gas



carrier



# Our business areas





We connect you to the cloud

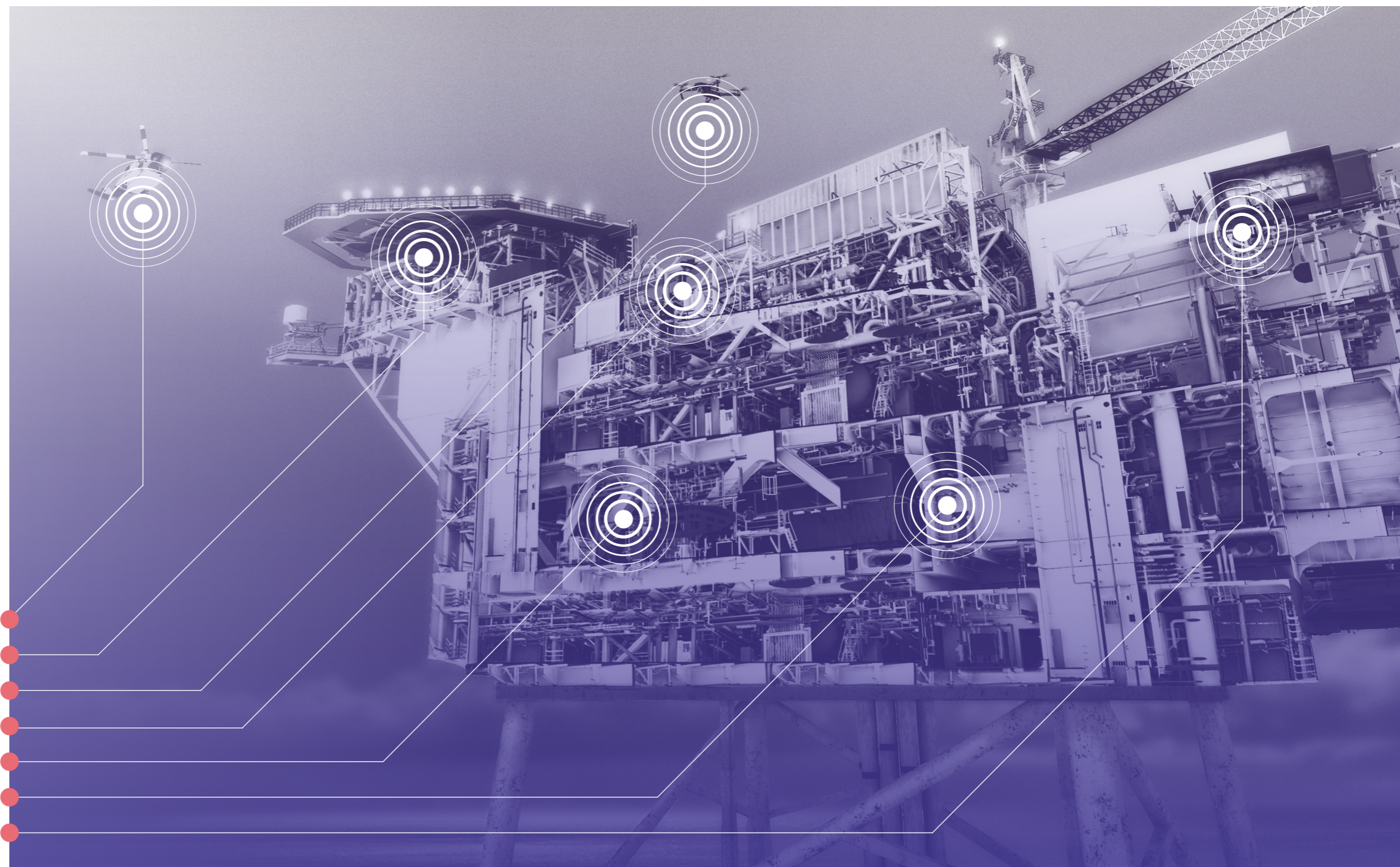
By providing a fast subsea fibre optic network and 4G LTE, NB-IoT and CAT M1 coverage, Tampnet enables digitalization of offshore operations within oil & gas, maritime and wind energy. We keep offshore workers connected, allowing them to access real-time data, optimize planning of operations and to collaborate more easily across installations.

We enable IoT procedures such as monitoring sensors for improved drilling and tracing containers and equipment. And we always focus on security – protecting our customers from digital threats and cyber attacks.

digital services



On- Asset Coverage



- Helicopter
- On- Asset Coverage
- Drone
- Sensors
- NB-IoT / CAT M1
- Tablet / Smartphones
- Service container

We enable the connected worker and offshore roaming





## Want to use your smartphone or tablet when offshore in the North Sea and the Gulf of Mexico?

Now you can roam on Tampnet's offshore mobile network in the North Sea and the Gulf of Mexico using your current onshore mobile subscription. On drilling rigs, windfarms, fishing boats, ships and yachts. You name it. Welcome to our offshore network!

### How does it work?

#### In the North Sea:

When attaching to our network – you will receive a welcome message from your operator – informing about the applicable rates and conditions for roaming onto our network.

#### In the Gulf of Mexico:

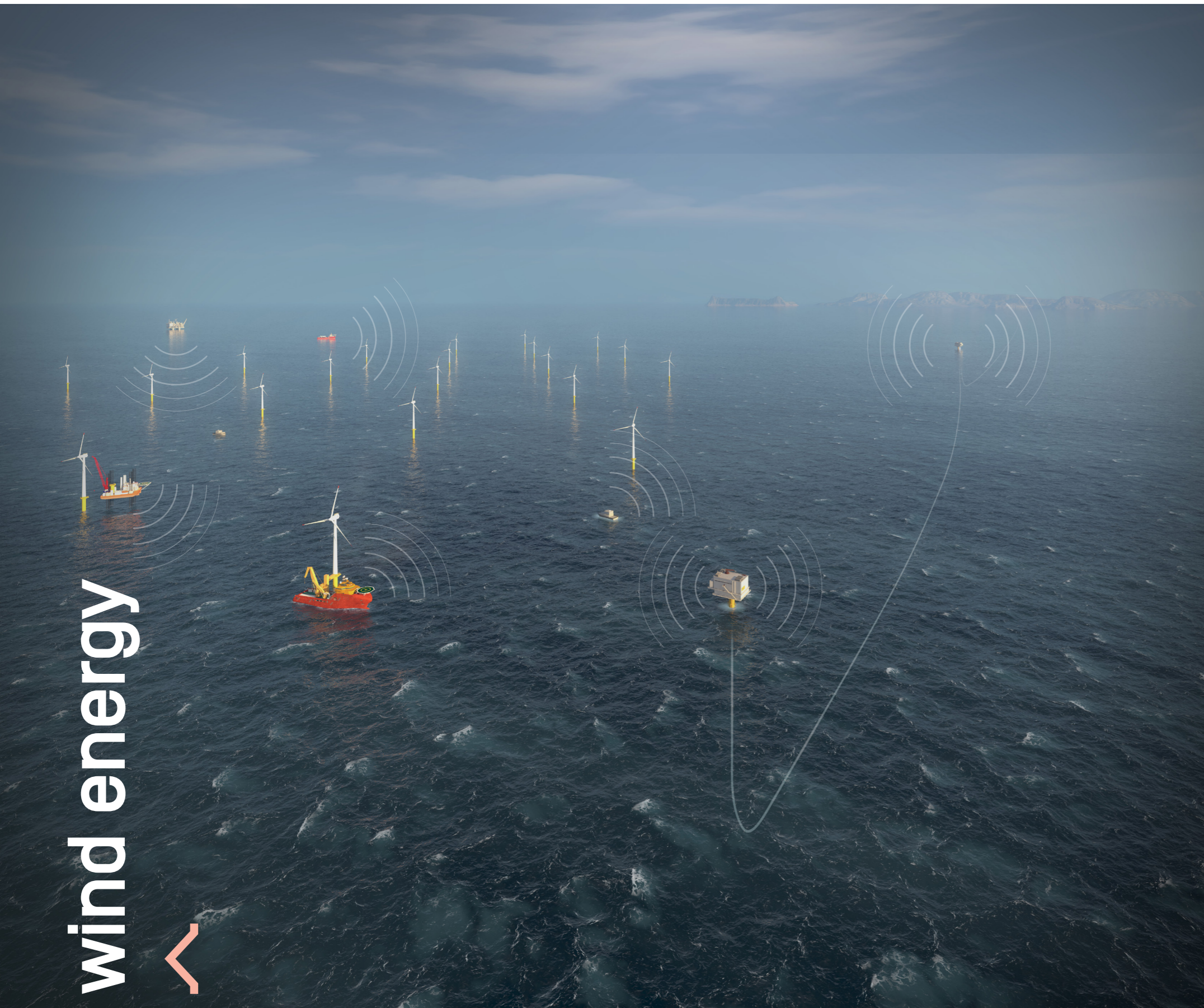
If you are with one of the major carriers, your smartphone or tablet will automatically switch to our network when offshore in the Gulf of Mexico and you can use both data services and talk services with the SIM card that is already installed in your device.

#### Services

- Text & data
- Streaming & entertainment
- IP-based voice services (such as FaceTime, Messenger or WhatsApp)
- Talk/voice, please check with your subscription

**The North Sea:**  
[www.tampnet.com/roaming-north-sea](http://www.tampnet.com/roaming-north-sea)

**The Gulf of Mexico:**  
[www.tampnet.com/gom](http://www.tampnet.com/gom)



wind energy



## Offshore Windfarms

Tampnet connects offshore wind farm assets with subsea fibre optic cables, providing a high capacity connection. We install and operate base stations on assets such as substations and RCS stations, to provide the entire wind farm area with 4G LTE coverage. This internal coverage provides the site coordination and planning teams with fully digitalized operations in the construction period.

## Hornsea One

Tampnet has installed base stations on reactor station (Z01) securing 4G coverage between shore and the wind farm area. Base stations are also installed on substations (Z11, Z12 & Z13) securing 4G coverage in the wind farm area for all construction vessels and Ørsted's service vessel, Edda Mistral.

## Gemini Offshore Wind Park

Tampnet provides 4G/LTE coverage from two base stations to the Gemini Offshore Wind Park. The wind park, with a total of 150 wind turbines, is located in the Dutch North Sea 85 km off the Dutch coast. Tampnet's solution will not only provide coverage for the Wind Park, but also for the Service Operation Vessel (SOV) and the Crew Transfer Vessels (CTV) working in the wind farm area.

*«Our collaboration with Tampnet creates a win-win situation for both companies: Tampnet expands its 4G/LTE network in the North Sea, whilst we benefit from the high-quality 4G/LTE coverage required to support the operation and maintenance of our offshore wind farm.»*

**Bart Hoefakker,**  
CEO  
GEMINI



## Fleet 4G LTE

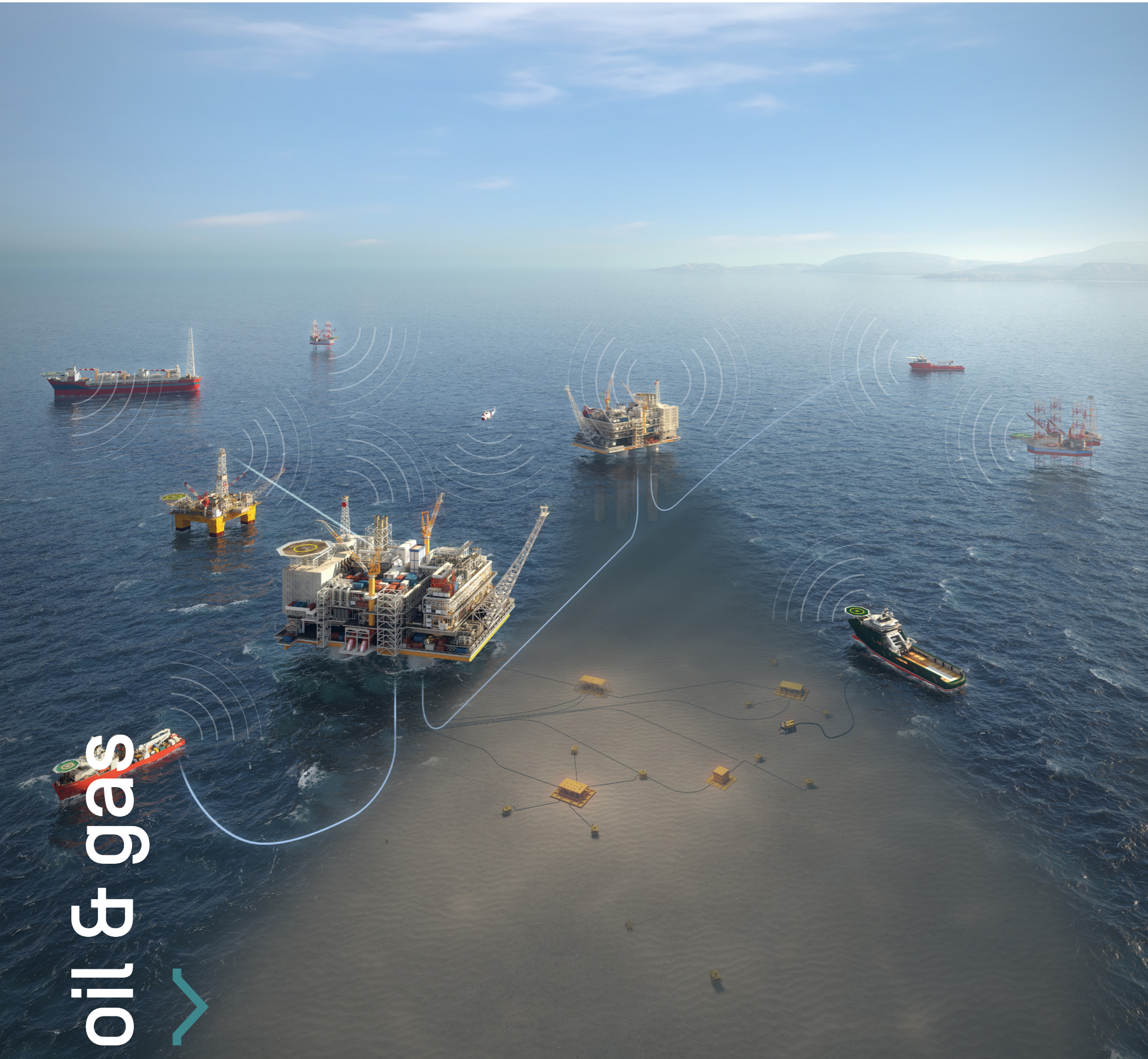
High speed offshore Internet connection is no longer a luxury – it's a must-have. Your fleet depends on it to correspond with headquarters, to run cloud-based systems, to keep the crew in the loop and happy – and so much more. Tampnet provides 4G LTE services for anything from oil tankers to fish farms, enabling instant distribution of critical data, and taking video conferencing to a new level. Compared to traditional satellite communication, this network has virtually no delay.

## Wireless Connectivity

**4G LTE:** In order to extend the reach of our services to include rigs and vessels in motion, we have introduced an offshore 4G network. This service gives mobile and rotating rigs and vessels reliable communications links, even in rough weather. A much faster and more dependable alternative to satellites.

*«By using Tampnet's 4G offshore we have achieved a faster transfer of ship-to-shore data and faster replication of database traffic. It has also become much easier to update ships online and the crew can now have a closer dialogue with their families at home.»*

**Terje Gjerde**  
ICT Manager  
Simon Møkster Shipping



## First Class Offshore Telecommunications

Tampnet provides offshore assets with high speed internet connection through a subsea fibre optic broadband. We also install and operate an offshore 4G LTE network, giving reliable roaming even in rough weather. High capacity internet access enables digitalization of your business, resulting in faster and improved decision-making, increased efficiency and major cost savings.

### Fibre Optics

Fibre optic communications revolutionize operations offshore – the distance between onshore and offshore has never been shorter.

Compared to traditional satellite communication, there is virtually no delay. This enables faster and improved decision-making, instant distribution of critical data, improved safety and major cost savings.

With real-time communication, you can benefit from your core expertise while keeping them onshore, available for multiple operations. Not to mention the positive effect it has in an HSE perspective, reducing the carbon footprint of almost every operation.

Currently, Tampnet serve more than 350 oil and gas platforms, FPSOs, exploration rigs and wind farms in the North Sea. In total, we own and operate an infrastructure based on 4,500 km and 80 radio links.

### Wireless Connectivity

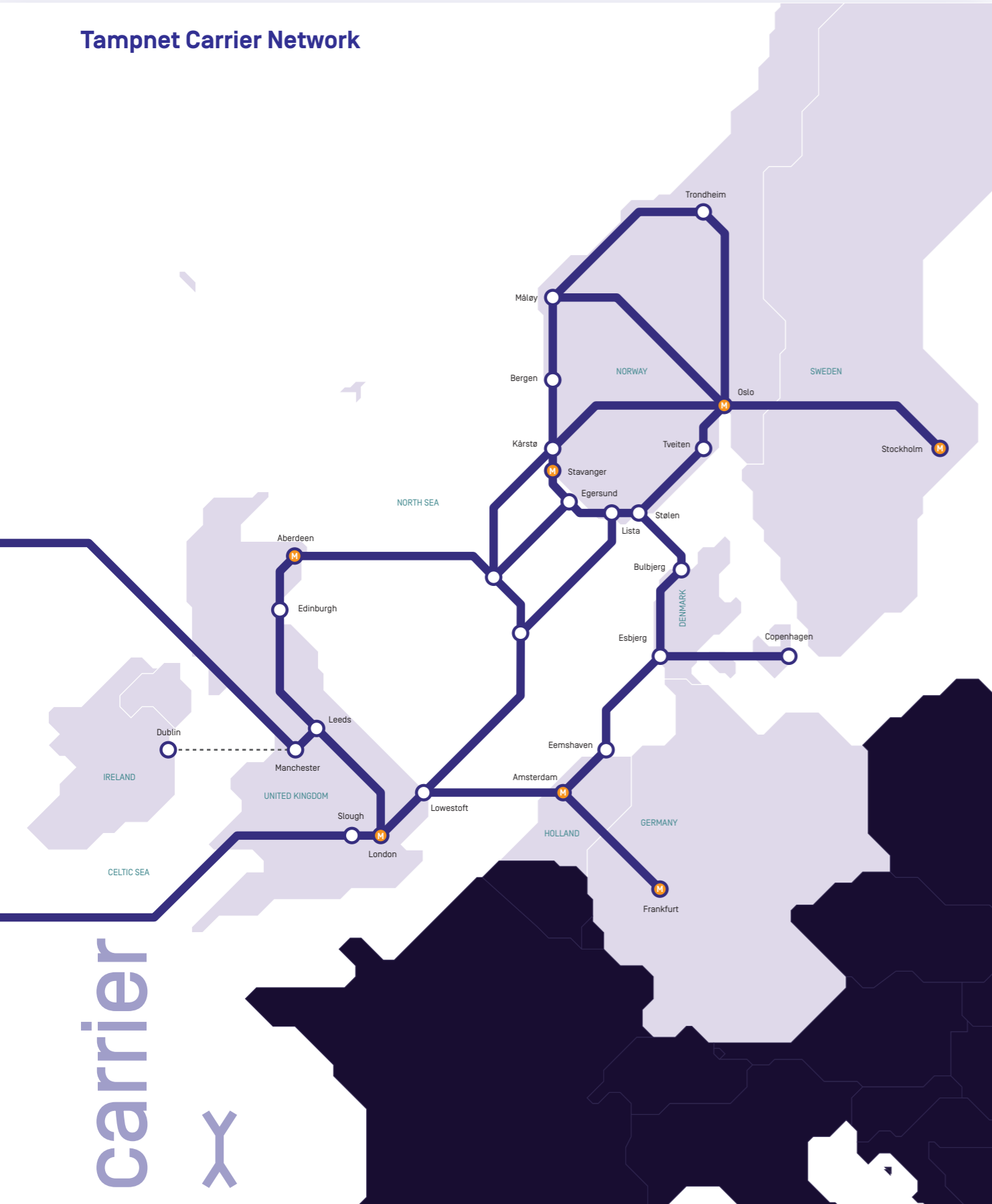
**4G LTE:** In order to extend the reach of our services to include rigs and vessels in motion, we have introduced an offshore 4G network. This service gives mobile and rotating rigs and vessels reliable communications links, even in rough weather. A much faster and more dependable alternative to satellites.

**Line of sight:** Fibre cabling may be complicated and costly in certain areas. In these cases, the use of point-to-point radio link connection is a well proven technology – robust, high capacity and with low latency. Tampnet has connected a large number of fixed offshore platforms via radio link. We offer fully managed connectivity through approximately 50 radio link hops, several of which are part of our core network.

*«Suddenly we could not only have high quality video conferences between our vessels and onshore office, we could also do live streaming of ROV operations in our meetings with Aker BP and both viewing operations in real-time and making decisions real-time.»*

**Terje Nordeide**  
Project Manager  
DeepOcean

# Tampnet Carrier Network



## Unparalleled connectivity for business-critical operations

Tampnet Carrier is all about connectivity, capacity, speed and milliseconds – data transfer with minimum delay - without compromising quality and reliability.

Connecting data centres, financial markets, media and gamers through our low latency and high capacity network.

## Fibre solutions, managed services and capacity services

Our unique network routes pass through eight selected countries, connecting 30+ vital data centres in 12 European and American cities. This high-speed network between Norway and Europe is what makes us unique. We access Europe through three unique routes to Great Britain, as well as routes via Sweden and Denmark. Tampnet Carrier plays a significant role for the Norwegian connectivity and with our five routes into Norway we are securing the best possible conditions for the rapidly growing data industry in Norway.

Tampnet Carrier originated from the offshore network that Tampnet has developed over the years. The very stringent availability, quality and security requirements of communication offshore have been incorporated into the Carrier business.

Internet/IP Transit



Wavelength - Optical Capacity



Dark Fibre and Spectrum



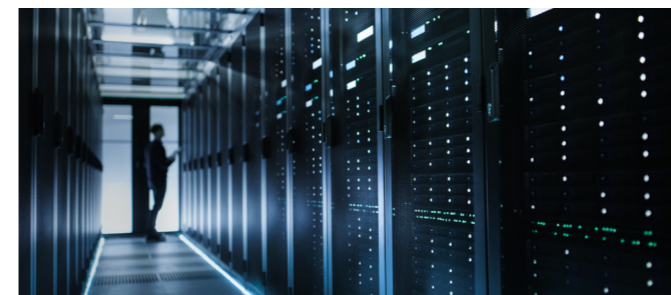
Cloud Connect



Financial Markets



Gaming



Data Centres



Media



**4,500km subsea fibre cable connecting  
350 offshore assets**



**Continuously  
expanding  
our network**

We are proud of our communication network of fibre cables and radio links, providing so many with high capacity, resilient and low latency connectivity. But we are always looking to improve. Our goal is to always be the preferred offshore network provider, and we are constantly expanding the infrastructure and improving the capacity.

*«We are ready to perform your next offshore fibre project.  
Platform, windfarm or any subsea project. You name it!»*



**CS Sovereign**

# Partners Europe

## Resellers Europe



## Roaming partners Europe



# Partners Americas

## Resellers Americas



## Roaming partners Americas





## Our Customers

Many of our customers have been with us for a long time thanks to our dedication to deliver first class offshore telecommunications. They are:

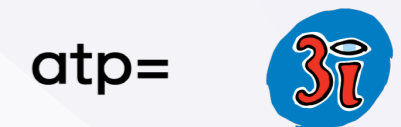
- International Oil & Gas companies
- Oilservice companies
- Rig owners and exploration companies
- Ship owners and shipping companies
- Offshore wind operators
- Data centres
- OTTs (such as Facebook, Netflix and Amazon)
- Stock exchanges
- Media
- Gaming industry

## Responsible owners

Since March 2019, Tampnet has been owned by a consortium consisting of 3i Infrastructure plc and ATP, with each party owning 50%.

3i Infrastructure's investment manager, 3i Investments plc, manages the investment on behalf of the consortium. 3i Infrastructure plc is a Jersey-incorporated, closed-ended investment company, listed on the London Stock Exchange. The Company is a long-term investor in infrastructure businesses and assets, with a focus on economic infrastructure and greenfield projects in developed economies, principally in Europe.

ATP is Denmark's largest pension and social security provider and one of Europe's largest pension providers, with more than €100 billion assets under management invested in bonds, equities, real estate and infrastructure assets, among others.



# Network Operations Centre

**Tampnet operates two Network Operations Centres- one in Stavanger and one in Houston.**

Both of our NOCs are operated 24/7, proactively monitored by certified technical engineers who respond quickly to all possible incidents.

24  
7  
365

- dynamic advanced event detection systems

ONE

- singular mission critical service level

30  
sec

- all incoming calls are answered by certified technical engineers

100%

- department KPI is to provide 100 % uptime of the network to all customers

TROUBLE  
TICKETS

- incident updates according to mission critical standard



# Sustainability & ESG Strategy

**Providing the industry with low latency and high capacity connectivity, Tampnet revolutionizes operations offshore – enabling production of energy with a much lower carbon footprint.**

Sustainability and the impact of our carbon footprint is more important and relevant than ever. At Tampnet this challenge has been taken seriously for two decades delivering reliable and robust connectivity offshore. Our proven technology has generated a high degree of trust among our customers, a trust that has enabled them to manage some of their operations remotely.

We have developed an ESG strategy to improve our environmental, social and corporate governance. It is built on two main pillars which are Tampnet’s core values and the UN sustainable development goals.

## Tampnet ESG Strategy [Environment, Sustainability and Governance]

We truly believe a healthy environment and society is fundamental for long term value creation. There is no quick fix and we acknowledge that we must work systematically with our customers, partners and suppliers to progress, but we do also believe that by doing so we will gain a competitive advantage. This is of particular importance for any company which is to remain in the energy sector.

We are now developing an ESG strategy to improve our environmental, social and corporate governance. It is built on two main pillars which are Tampnet’s core values and the UN sustainable development goals.

### Our Values

D E D I C A T E D  
C A R I N G  
I N T E G R I T Y  
I N N O V A T I V E  
R E L I A B L E



## Environmental goals

- Reduce transportation emissions by enabling remote operations.
- Increase insight into environmental data by providing sensor technologies.
- Enabling our employees to select environmental friendly alternatives.

## Social Responsibility goals

- Build a diverse and inclusive company culture.
- Secure safe working conditions for employees and those affected by our business.
- Promote health and wellbeing.

## Corporate Governance goals

- Build a compliance culture.
- Demonstrate business integrity and compliance.
- Secure transparency within internal and external communication.

## Carbon Reporting (TCFD)

From 2021 Tampnet will report its Carbon footprint in line with the recommendations of the Task Force on Climate-Related Financial Disclosures (TCFD). A carbon footprint measures the total greenhouse gas emissions caused directly and indirectly by a person, organisation, event or product.

The TCFD Task Force has 31 members from across the G20 countries and aims to develop recommendations for voluntary climate-related financial disclosures that are consistent, comparable, reliable, clear, and efficient, and provide decision-useful information to lenders, insurers, and investors. The TCFD has developed a framework to help public companies and other organizations more effectively disclose climate-related risks and opportunities through their existing reporting processes.

*“give back more than we take from the environment.”*



Please visit  
[www.tampnet.com](http://www.tampnet.com)  
 for more information.

# Our Locations



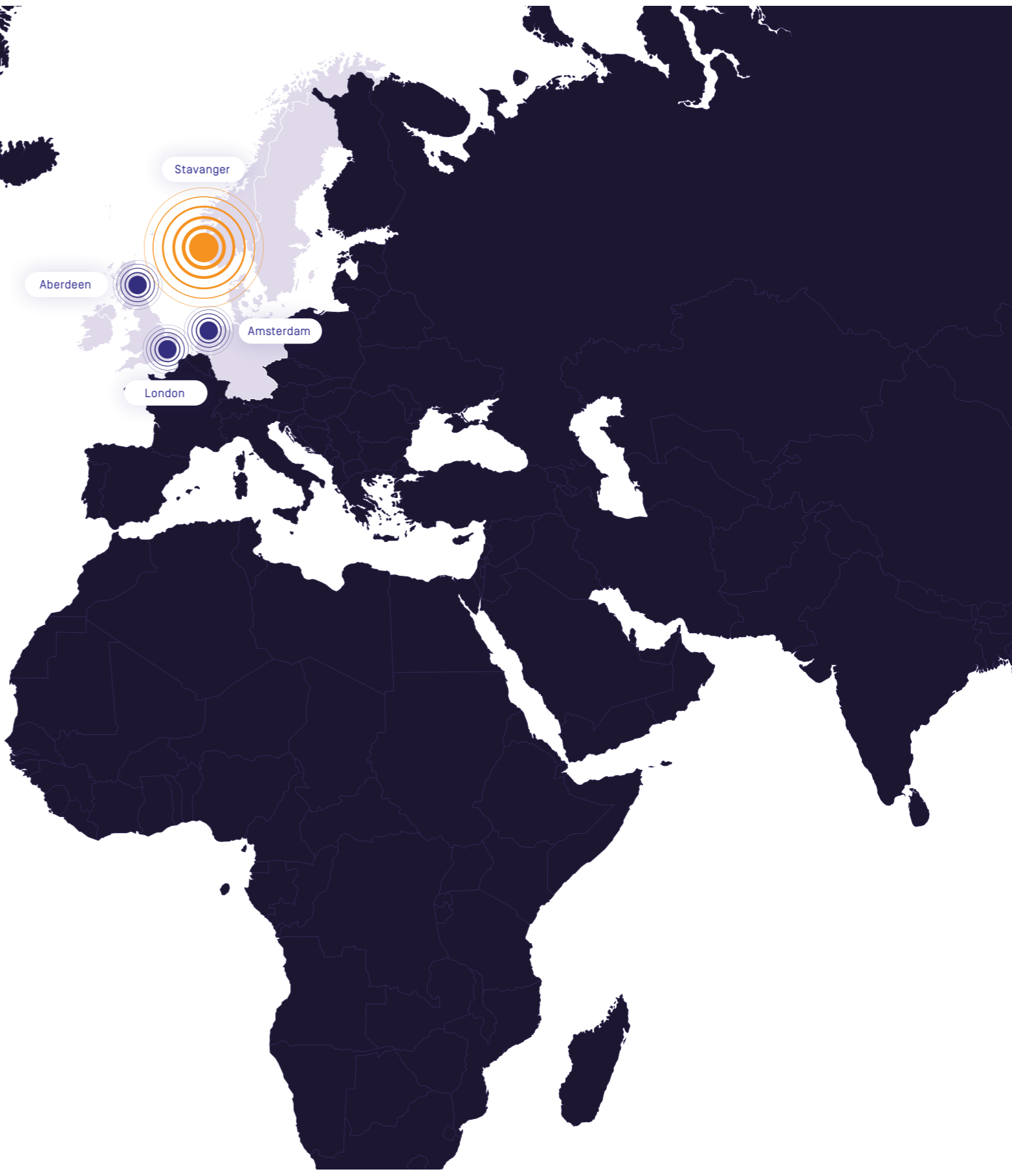
**Tampnet Group HQ**  
Stavanger (NOC)

**Tampnet HQ Western Hemi**  
Houston (NOC)



**Tampnet Subsidiaries**  
Houston, America  
Aberdeen, UK  
Amsterdam, the Netherlands  
St John's, Canada  
Port of Spain, Trinidad & Tobago

**Tampnet Sales Offices**  
Rio de Janeiro, Brazil  
London, UK  
St John's, Canada  
Port of Spain, Trinidad & Tobago



Stavanger  
Aberdeen  
Amsterdam  
London

Rio De Janeiro

digital services



wind energy



maritime



oil & gas








carrier



**Tampnet enables  
the digital transformation**

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- maritime 
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