

# Super fast Internet for Superyachts

- **High Quality and Reliable**
- **Secured encrypted connection (standard end to end)**
- **Coverage up to 40 km Offshore**

## THE COMPANY

TNF Mobile is an independent network operator delivering high quality data services worldwide.

With our global coverage of over 700 operators in more than 200 countries, our customers benefit from guaranteed services at the best price.

Our customers only pay for actual consumption, without surprises or hidden costs. Our Web based portal enables business partners to fully manage their own customer base for both orders and changes.

## THE PRODUCT

About 10 years ago, there was a need to have a very reliable ad-hoc data connection to extend the secure network. So, we have designed a router that bundled multiple high speed 4G links together in a fat pipe. Automatically all data is secured in a VPN. We also decided we needed a way to reach more remote cell towers. Reaching further than normal possible. Therefore, we decide to produce a 4G amplifier ourselves. We achieved to reduce the number of external antennas by a factor 4, resulting in much lower installation costs in a ship; for the same costs you have a much better signal capable of reaching remote cell towers.

## THE ROUTER



- **allows** multiple connections in one box to support each other. When one line fails, the other lines keep the connection alive. Redundancy is the way to remain online, no matter what. It supports mobile broadband, satellite, WIFI and ethernet. The 19" router is offered with a dual power supply.
- **bonds** every type of internet connection into one link with high availability and high bandwidth. This ensures a fixed line experience over a mobile infrastructure.
- **utilizes** multiple and different internet links and automatically connects over the best possible link (=lowest latency) without disrupting applications.
- **maintains** applications and sessions whilst roaming over different networks and infrastructures. A truly unique feature!
- **deploys** easily: set up and ready to use in minutes. Remote maintenance and support mean no local IT expertise required. Different models available, manufactured in Germany.

## THE AMPLIFIER



- **boosts** signal reception for your connections to be strong, no matter where you are. Extends your connection with the Mobile Cell Tower up to 40 km off shore, guaranteed. Often reaching further.
- **combines** multiple (max. 4) mobile broadband 4G/3G links over 1 antenna. Nb. 4G is MiMo based so actually 2 antennas, working as one.
- **increases** virtually the reach of mobile operators over land (2x) and over water surface (4x) at least to 40 km. This ensures excellent connectivity under the worst conditions.
- **improves** up- and downlink signals to achieve higher bandwidths and higher responsiveness. A fixed line experience over mobile networks.
- **ensures** 100% compatibility with any operator network, no network disruptions, and therefore totally invisible by the mobile operators.
- **supports** 6 LTE bands ranging from 700 to 2600 MHz. Especially the 700, 800 and 900 MHz band are important for marine applications. Can be remotely monitored (Cloud and/or App) and managed.
- **has proven** itself in many installations in Europe.

## THE SIM



- **enables** to roam freely
- **supports** multiple local operators per country
- **offers** local and roaming redundancy in 200+ countries
- **crosses** borders, local roaming against best rates
- **supports** unlimited data-volume per SIM
- **is serviced** remotely, one service for all networks
- **premium** non steered 4G throughput
- **access by** IoT portal for managing operations and SIMs
- **fully managed** and secured SIM Card
- **white label** possibilities

*Each aspect adds a new layer of resilience on top of the other, this ensures a high speed, high bandwidth connection at any time.*

## Achieving excellent connectivity and bandwidth anywhere

The SIM's, the router and the amplifier together create a very flexible solution for customers in maintaining data connections over cellular infrastructures in remote areas. The amplifier supports volume data connections to the horizon. We have seen ship installations perform up to 75 km from the coastline. This all depends on how high a cell tower is up to the coast installed and how high the cellular antennas at the ship are mounted extending the normal horizon reach of about 40 km to much more, as mentioned above.

*Our established customers all agree on one thing:  
Our solution provides carefree, reliable connectivity*



**Contact us now!**  
**TNF mobile BV**

www.tnfmobile.com  
+31 20 5050 440  
info@tnfmobile.com