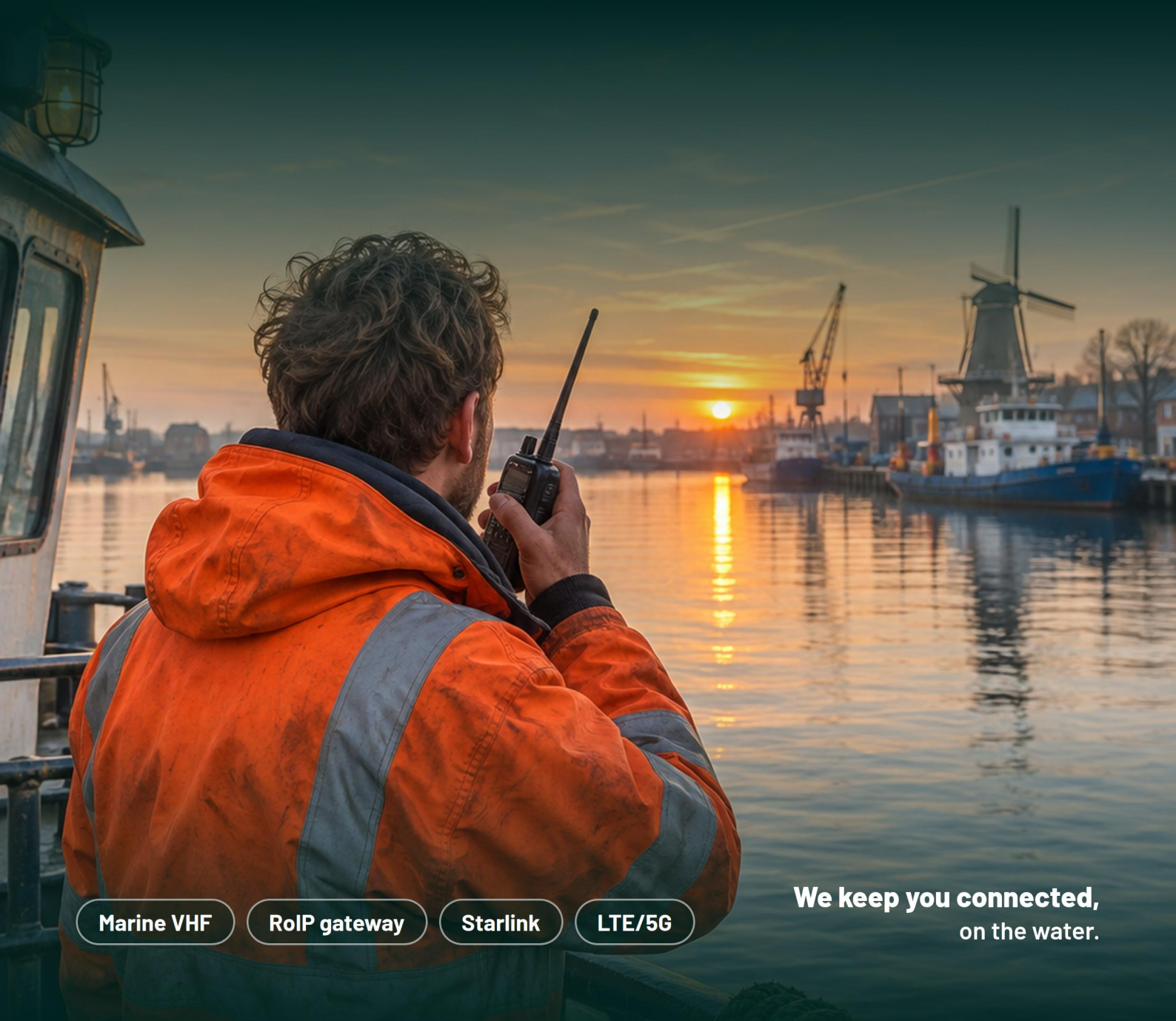
SAT DATA®

MARINE VHF VIA SATELLITE AND 4G/5G

Your marine VHF, connected via SatData

A RoIP gateway links your marine VHF radio to SatData. The office, shore and other vessels can follow VHF traffic over the internet, wherever you sail.



Marine VHF | RoIP gateway | Starlink | LTE/5G

We keep you connected, on the water.

YOUR CHALLENGE, OUR SOLUTION

Marine VHF with internet range

A marine VHF radio reaches as far as its transmitter and antenna allow. On Dutch inland waters, power is also limited to 1 watt. With SatData and a RoIP gateway, the voice travels as data via Starlink or LTE/5G to any other location.

Starlink
satellite internet, also on the water

RoIP
VHF voice as data over the internet

LTE/5G
where mobile coverage exists, also bonded

Connect the VHF
A RoIP gateway converts the radio's voice into data.

The office listens in
Shore post, office or project manager follows VHF traffic.

PTT apps and radios
Smartphones and PoC radios in the same talk group.

Satellite + LTE/5G
Starlink and mobile internet, also bonded.

WiFi on board
Internet for crew, laptop and tablet.

Independent power
Battery, 12/24V or 110/230V, on board and ashore.



On the water
On a work boat, pontoon or yacht: connected via satellite.

HOW IT WORKS

Connecting a marine VHF to SatData

A marine VHF radio has no internet connection of its own. That is why a small box sits in between: a RoIP (Radio over IP) gateway. It converts the radio's voice into data and sends it via SatData. In the other direction, voice from elsewhere comes out of the radio via the gateway.

Marine VHF
fixed set on board

›

RoIP gateway
the box: voice to data

›

SatData
Starlink and LTE/5G

›

PTT server
talk groups in the cloud

›

Office & teams
app, PC or radio

THE BOX

RoIP gateway

Connects to the audio and PTT port of the radio and via LAN to the SatData router.

BOTH WAYS

Listen and talk

Voice from the radio goes to the talk group, and voice from the group comes out of the radio.

MULTIPLE LOCATIONS

Ship and shore in one group

Link vessels, office and teams over the internet in the same talk group.

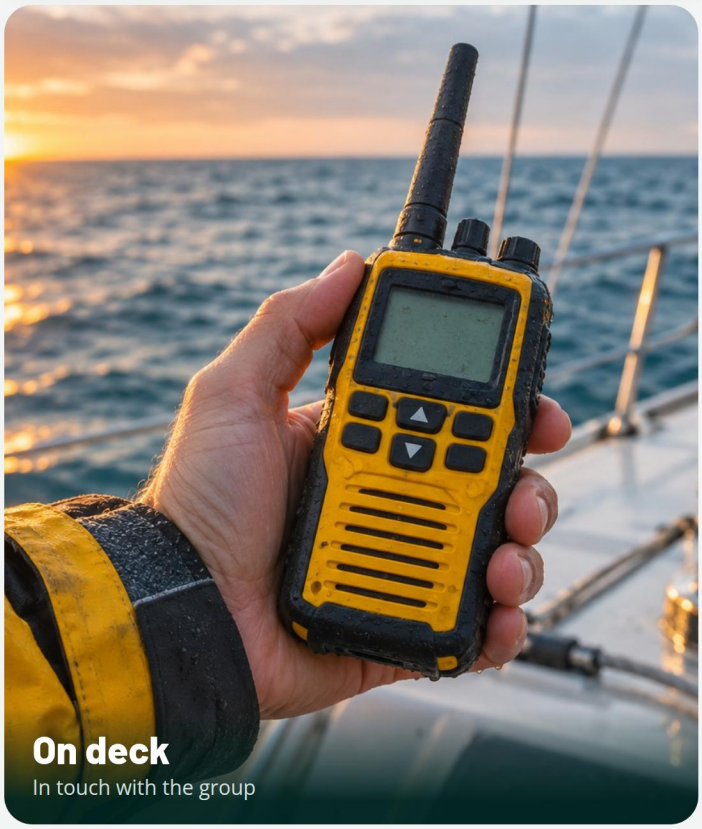
GOOD TO KNOW

The rules still apply

Registration, an operator certificate and a call sign remain required. A VHF radio ashore (coast station) needs a licence. SatData does not replace channel 16 or distress traffic.



Fixed VHF
Connected via the RoIP gateway



On deck
In touch with the group

MORE THAN VOICE

What SatData enables on the water

With internet and WiFi on board, you can do much more than just talk.

Remote project management
Follow VHF traffic from the office or elsewhere.

WiFi for the crew
Internet, email and video calls on board.

Charts and planning
Charts, weather and planning always online.

Live video
Camera footage from ship to shore.

Calls over internet
VoIP and app calls beyond mobile coverage.

Sensors and measurements
Data from vessel or pontoon stays online.

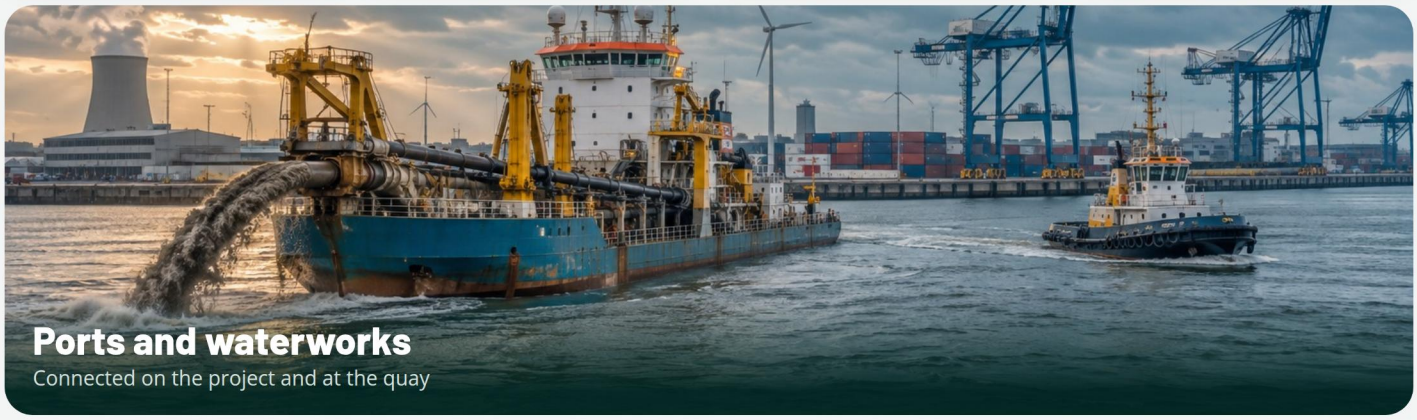
SUITABLE MODELS

PortLink
WiFi and built-in 10 Ah battery

Nexus
Long use without mains power

Fusion
Starlink and LTE/5G combined into one connection

VanGuard
IP67 and IP69K rated



Ports and waterworks
Connected on the project and at the quay

Connect your marine VHF?

Visit satdata.eu →

We are happy to advise you on the right gateway and SatData model.

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