



U S E C A S E

Nikrans NS-Smart-Boats:
**turning offshore signal
problems into a new revenue
stream for related businesses**

Poor mobile signals offshore are a frustration for boat owners and an opportunity for marine electricians and vessel equipment installers.

Explore how marine professionals can turn mediocre offshore connectivity into a profitable service using the Nikrans NS-Smart-Boats **flagship** system.

Partner profile

If you install equipment on boats, yachts, and small commercial vessels, you can earn from offshore connectivity: a new service built on top of your existing skills. The boat is already your workspace. What is missing is a prepared answer when a client asks: "Can you improve the mobile signal onboard?" That gap is the opportunity, and the Nikrans partnership is a perfect fit. Our company distributes marine-ready hardware, which you may turn into a service for all who seek a stable connection at sea. We work with the people who know boats inside out, including:

- *Marine electricians wiring and refitting boats.*
- *Boat and yacht service companies that handle maintenance.*
- *Vessel equipment installers who fit navigation, lighting, and security systems.*
- *Technical teams that service boats in one location.*

This solution isn't only for hands-on installers. It's relevant for everyone who equips the marine sector: system integrators, procurement companies, boat dealers, charter fleet operators, marina operators, and shipyards. With Nikrans, all of them can turn onboard connectivity into a profitable offer in a growing marine market.



Challenge

On a boat, a poor signal behaves differently from a house or an office. Boat owners lose a mobile signal just 1–2 miles away from the shore. Calls drop, mobile data slows down, weather apps stop updating, and communication with the shore becomes patchy. Even though the signal rarely disappears completely, it becomes too weak and unstable to rely on. A boat is a tricky place to set up signal equipment because of:

- **Metal surfaces and multiple decks** that block and distort mobile signals.
- **Antenna placement** that has to catch coastal coverage while the boat moves.
- **Multiple operators and frequency bands** working all at once.
- **Numerous users**, with crew and passengers on different networks and devices.

Without a proper approach, even powerful equipment will deliver uneven coverage, interference, or dead spots inside the vessel. This is why a booster onboard is a service, not just a product off the shelf, and the installer makes it work.

Solution

Nikrans gives every installer the right hardware to start with: the NS-Smart-Boats all-in-one system. The Nikrans NS-Smart-Boats caters to mobile carriers across European, African, and Asian countries. It runs at 900 MHz and 1800 MHz for traditional GSM voice, with the same frequencies also carrying 4G, alongside 800 MHz, 2100 MHz, and 2600 MHz. The result is stable calls and mobile Internet for every passenger onboard, no matter how many there are. With every major operator and signal type covered, users aren't tied to one network or use case: you integrate the system onboard and turn it into a full service. Here is what makes this solution suitable for onboard work:

- **Coverage 20,000 ft² +**, which is perfect for large boats and yachts.
- **An omnidirectional outside antenna** that catches signals from cell towers around the vessel at distances up to 40 km.
- **Up to 4 inside antennas** to distribute signal evenly across decks, cabins, and hard-to-reach corners.
- **Unlimited quantity of supported users**, so crew and passengers stay connected simultaneously.
- **12V power supply alongside 220–240V**, meaning it plugs into the vessel's onboard electrics with no extra gear.
- **Automatic and manual gain control, automatic level control, and a shut-off function** to keep performance stable under changing conditions at sea.
- **CE- and RoHS-certified**, with a 3-year warranty.

Nikrans NS-Smart-Boats



The Nikrans NS-Smart-Boats captures the weak signal that's still within reach and turns it into a steady connection onboard: usually up to around 5-7 miles from the shore, depending on coverage, antenna placement, and sea conditions.

Result for boat owners

For the people using the boat, the Nikrans NS-Smart-Boats model brings:

- Stable calls offshore, where the signal would normally drop within 1-2 miles.
- Better mobile Internet for messaging, navigation, and weather apps.
- Smoother communication with the shore and between crew.
- Steady coverage across the whole boat, using up to 4 internal antennas.
- More comfort onboard, with room for the entire crew and all passengers and no limit on devices.

Outcome for partners

For B2B partners, the same system opens:

- A new installation service that fits naturally into existing marine electrical and refit work.
- Higher project value, since connectivity adds to a standard job instead of replacing it.
- A natural upsell on jobs you're already doing.
- Stronger customer relationships, as partners become the team that delivers a complete onboard connectivity solution.
- A clear reason to offer Nikrans solutions as a standard part of marine electrical projects, with recurring demand from yacht owners, charter operators, fishing fleets, and marinas.

Nikrans comment

Julia Dav from Nikrans explains why installers shouldn't miss this opportunity:

"Marine connectivity has quietly become one of the fastest-growing requests we hear today, and the equipment is only half the story. At sea, the difference between a system that works on paper and one that works in motion is always the installation. Through the Nikrans NS-Smart-Boats, we give installers reliable hardware, and they bring the integration skill that makes it work onboard."

Nikrans' connectivity solutions: made to work for your business and clients

With more than 20 years in the signal amplification industry, Nikrans understands both the technology and the conditions it has to survive at sea. We supply flexible and multi-operator systems built for real marine environments and designed to integrate into the work you already do onboard.

If your clients are asking for better mobile signals offshore and you don't have an answer yet, this is it. Become a Nikrans partner, add the NS-Smart-Boats solution to your service portfolio, and turn a common offshore frustration into a connectivity upgrade you can offer with confidence — towards more satisfied clients and a stronger bottom line.

Multi band boosters allow amplifying signals in 2-3-4-5-6 frequency ranges at a time, making it possible to improve GSM+4G, 4G+5G+GSM or other combination of bands.

Total Products Available: **95**

Working Frequencies: **800, 900, 1800, 2100, 2600 MHz**

Available Coverages: **Vehicle/Marine, 300, 500, 800, 1000, 1200, 2000, 3000 m²**

-  Partners in 12 countries
-  4 partner factories
-  Warehouses in EU and UK
-  Languages spoken:
English, Italian, Spanish, French, Polish, German
-  Local presence:
Hong Kong, Cyprus, Poland, Gibraltar

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