

# Fishing

Small offshore working vessels such as fishermen, ferries, and tugs reap significant benefits from connectivity services for productivity reporting and emergency response.

But because these vessels primarily operate out of range of terrestrial wireless networks, traditional costly satellite connectivity renders most of these services economically infeasible.

**Skylo's revolutionary transponder technology enables cost-effective 2-way connectivity and vessel tracking**

Skylo Technologies' reliable, secure, and cost-effective platform enables large-scale deployment of satellite connectivity for fishing operations.



Safe, secure offshore maritime operations and increased productivity for working vessels.

# Cutting edge technology to connect millions of vessels



## ENVIRONMENTAL

Vibration	SAE J1455, MIL-STD-810H
Operating Temp.	Hub Transponder: -40°C to 85°C Backup Battery: -20°C to +70°C Portable Battery: -10°C to +60°C
Shock	MIL-STD-810H
Dust & Water	IP67 Compliant

## ELECTRICAL

Backup Battery SKU	3000mAh
Portable Battery SKU	12000mAh
Power Consumption	<20W Transmit <5 W Receive <1W Standby
Input Voltage	9-36 VDC
Power Connector	M12

## NETWORK

Data Rate	20 kbps
Coverage	Pan India, USA (more coming soon)

## TECHNOLOGY

Hub Model	V4.5 Skylo Hub
Physical Size	20.32 x 20.32 x 3.3 cm
Mass	1.35 kg
GNSS	GPS, GLONASS, Galileo, QZSS
IMU	9-Axis
CPU	ARM Cortex-M4F @ 128MHz
Data Interfaces	WiFi, BLE, RS-485
Frequency Range	L Band

Specifications subject to change

## Solution Details

- Regular location and productivity reporting anywhere under the sky for vessel monitoring and maritime boundary alerts.
- 2-way emergency messaging system for distressed vessels, inclement weather, and disaster response.
- Real-time messaging and location data enables more efficient fisheries management with on-site catch reporting, marine protected area management, and ability to push fish market data to fishermen.
- Ruggedized IP67-compliant hubs ensure survivability in the toughest maritime conditions.
- Transponder connects directly to boat electrical system with battery backup and optional solar power.
- Flexible hub interfaces support a wide range of 3rd party sensors for vessel health reporting.



## Ready to connect your business?

If you're interested in being part of the future of connectivity for the Internet of Things, then we are waiting to hear from you.

Email us at:

[info@skylo.tech](mailto:info@skylo.tech)

Find out more at:

[www.skylo.tech](http://www.skylo.tech)