

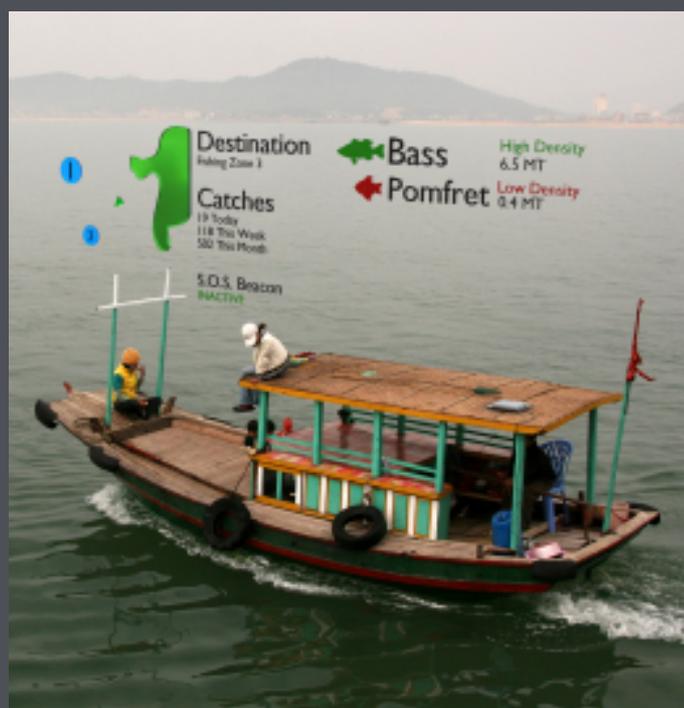
# Fishing

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<br>Backup Battery: -20°C to +70°C<br>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<br><5 W Receive<br><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)