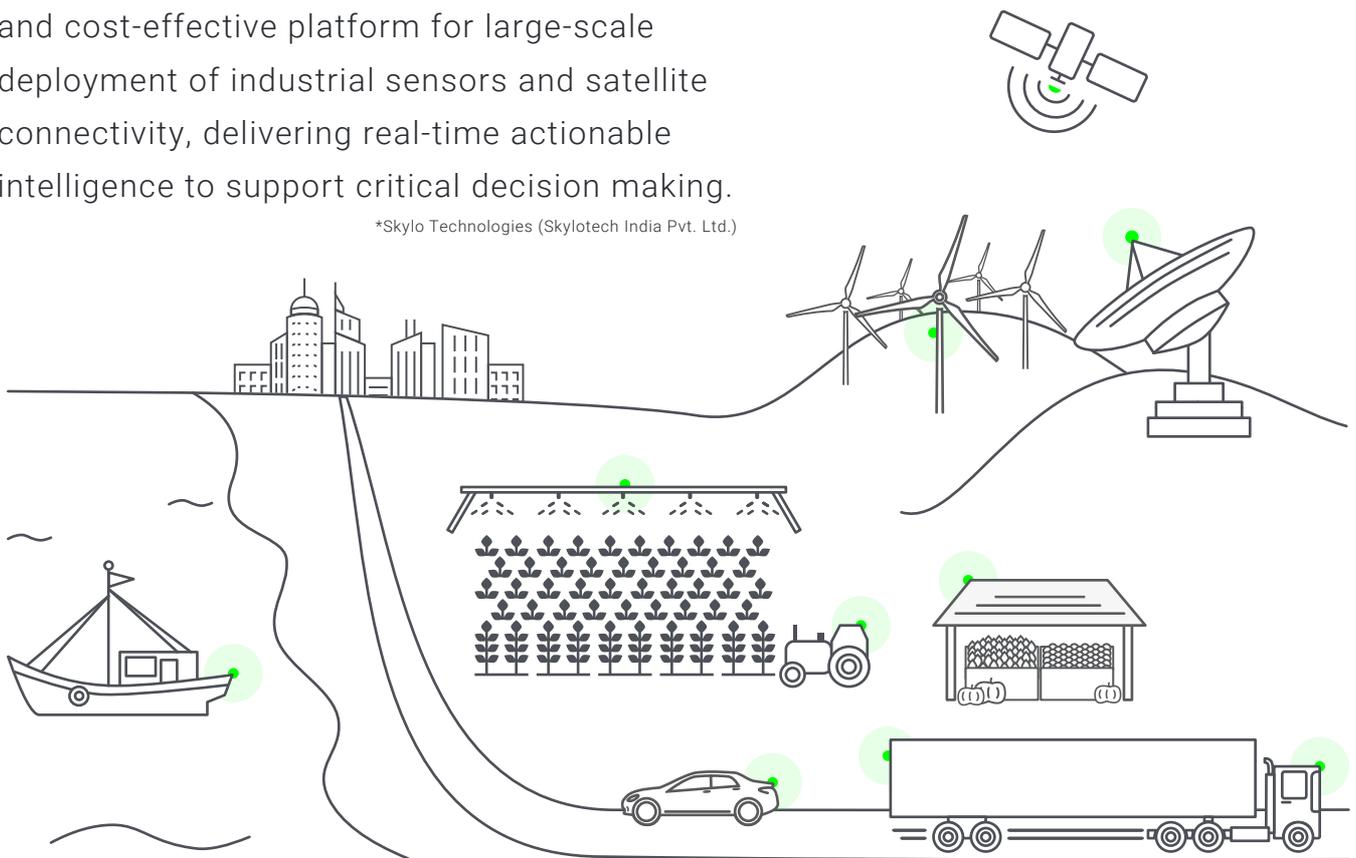# skylo

Mobilizing the world's machine data

skylo

Mobilizing the world's machine data

Skylo Technologies* provides a secure, reliable, and cost-effective platform for large-scale deployment of industrial sensors and satellite connectivity, delivering real-time actionable intelligence to support critical decision making.

*Skylo Technologies (Skylotech India Pvt. Ltd.)

UBIQUITOUS

Our geostationary satellite architecture allows constant connectivity with Skylo hubs, anywhere.

RELIABLE

Carrier grade performance with near real-time latency reliably delivers two-way data across a wide range of machines & sensors.

AFFORDABLE

Skylo's end-to-end service is the most cost-effective satellite connectivity option for IoT data.

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PRECISE LOCATION
Keep track of your mobile assets with tracking to within 3 meters.

SLIM PROFILE
Small and lightweight, the hub can be installed with minimal disruption.

SELF INSTALLATION
Our mobile application enables end users to provision hubs with no professional installation required.

MULTIPLE SENSORS
Each hub can connect to an array of Bluetooth, Wifi and Zigbee sensors.

BIDIRECTIONAL MESSAGING
Stay in contact with team members in the field with real-time text messaging.

PLATFORM API
Connect your Skylo data with existing 3rd party systems to optimize your workflow.

REAL-TIME ALERTS
Receive real-time, critical information for timely decision making.
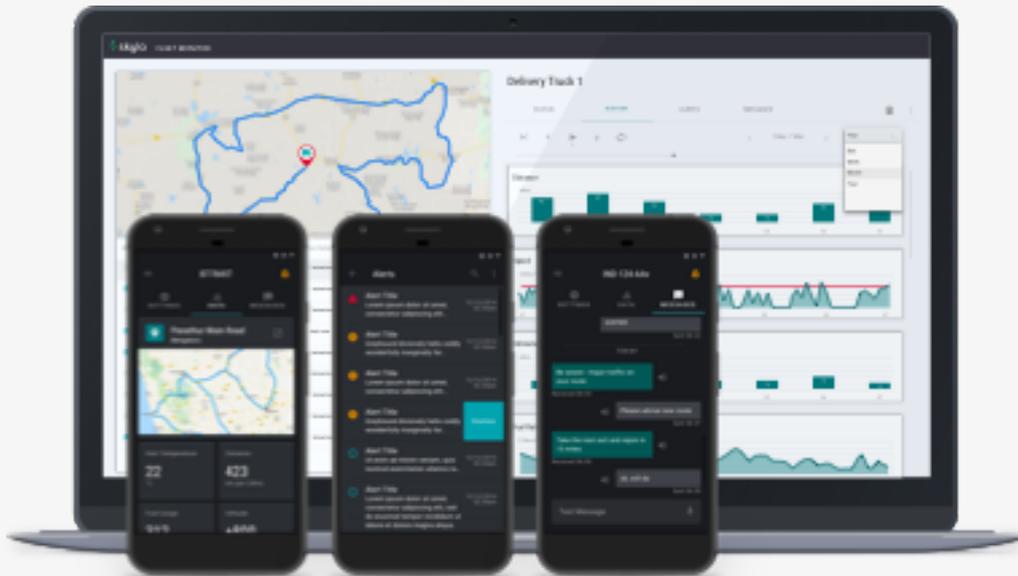
END-TO-END SOLUTION
From the hub to visualization apps, Skylo provides everything you need to get started with your data.

Dependable satellite connectivity for a fraction of the cost

Skylo's mission is to bring ubiquitous connectivity to millions of machines, sensors and devices globally, including coverage for some of the most inaccessible places on earth.

To support this goal, our global team of wireless network, hardware, satellite and data service professionals have developed a truly cost-effective solution for the industrial Internet of Things. Our end-to-end solution includes reliable and rugged hubs, and ubiquitous network coverage with economical, scalable price points, so you can connect anywhere without breaking your budget.

![skylo logo]

Skylo's platform applications complete an end-to-end service to make the most out of your company's data. Set up your hubs and data preferences, self-manage all your hubs in one place, send messages between the field and HQ, and view all your data in our suite of applications designed to support your business goals.

Gain new operational insights by accessing real-time data

AGRICULTURE

Harness the power of affordable direct sensor measurements to increase yield and reduce costs.

MARITIME

Connect any working vessel for productivity reporting and safety.

TELEMATICS

Track and monitor your machines' performance anywhere under the sky.

DISASTER MANAGEMENT

Save lives with critical remote alerts from the most sensitive and remote areas.

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Cutting edge technology to connect the Internet of Things

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
External Power	M-12

NETWORK

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

TECHNOLOGY

Physical Size	20.32 x 20.32 x 3.3 cm
GNSS	GPS, GLONASS, Galileo, QZSS
IMU	9-Axis
CPU	ARM Cortex-M4F @ 128MHz
Data Interfaces	WiFi, BLE, RS-485, UART, I2C
Frequency Range	L Band

SOLUTION DETAILS

- Cost-effective satellite hub for narrowband remote sensor applications.
- Real-time alerts and diagnostics for improved efficiency and safety.
- Ruggedized IP67-compliant hubs support terrestrial and marine-based applications.
- Flexible connectivity for a wide range of wired and wireless sensors.
- 2-way messaging between devices in the field and HQ.
- Precision location tracking to 3 meters.
- Battery and wired power operation.
- Multiple layers of security:
  - Link layer 128-bit AES encryption to protect all data.
  - Optional public/private key sharing to support 128/256-bit AES encryption.

HUB + NETWORK + PLATFORM

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

Find out more at:

www.skylo.tech