SENQUIP QUAD

QUAD

ADDED FEATURES

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# INDUSTRY USE CASES

- **Installed in drilling operations for pressure and vibration monitoring.**

- **Used in pipeline monitoring systems to detect leaks and prevent failures.**



## Oil & Gas Telemetry



- **Used in greenhouses to monitor temperature, humidity, and irrigation remotely.**

- **Deployed in remote weather stations for data collection and analysis.**

## Smart Agriculture & Environmental Monitoring

- **Installed in heavy machinery and trucks for real-time data logging and diagnostics.**

- **Used in railway and marine applications where external antennas provide better connectivity.**



## Vehicle & Fleet Tracking



- **Deployed in construction sites to monitor generator usage and fuel levels.**

- **Used in wind farms and solar plants for remote diagnostics and predictive maintenance.**

## Remote Site & Asset Management

- **Installed inside electrical enclosures to monitor voltage, current, and machine performance.**

- **Used in factory automation to track sensor data and ensure equipment efficiency.**
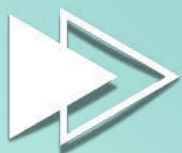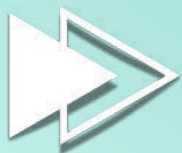


## Industrial Equipment Monitoring

# FEATURES

▶ **Engineered for harsh industrial environments – dustproof, waterproof, UV-resistant, and highly durable.**

▶ **Integrated sensors – GPS for position and speed, temperature, angle, vibration, and tamper detection**

▶ **Versatile external interface – Supports RS232, RS485, MODBUS, CAN Bus, Bluetooth, voltage input, 4-20mA, pulse, frequency, outputs, 4G, and GPS antenna.**

**Flexible connectivity** – Connect via Wi-Fi or 4G LTE to the Senquip Portal or a server of your choice.

**Power options** – Operates on 10 to 75V DC or solar power for remote applications.

**Customizable scripting** – Upload your own scripts to process data, generate alerts, control devices, and create tailored payloads.

# TYPICAL APPLICATIONS

**Machine Monitoring** – Standardize metrics across an entire fleet.

**Machine Control** – Manage and regulate machine functionality.

**Engine Diagnostics** – Track fault codes and detect issues early.

**Sensor Monitoring** – Support for MODBUS, NMEA, 4-20mA, voltage, and more.

▶▶ **Safety Systems – Monitor interlocks, gas concentration, and liquid levels.**
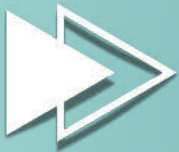
▶▶ **Driver Safety – Track speed, pitch, roll, wind conditions, and air quality.**

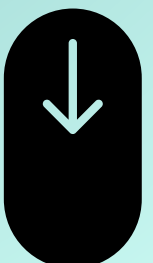▶▶ **Remote Control – Use custom scripts to operate connected systems.**

▶▶ **Complex Sensors – Program power control and measurement timing.**

▶▶ **Reliability Tracking – Monitor oil condition, temperature, pressure, and other key metrics.**

▶▶ **Data Consolidation – Transmit data to your preferred endpoint**

## WiFi + 4G LTE
CAT-M1 for best possible coverage.
CAT-1 for global connectivity

## FLEXIBLE SENSOR INTERFACE
RS232, RS485, MODBUS, CAN Bus, Bluetooth, output, 4-20mA, pulse and voltage

## BLUETOOTH
Monitor BLE beacons or send data to the Senquip BLE App

## USER PROGRAMMABLE
W r i t e scripts to manipulate data, create alerts, control devices, and create customised payloads

## DIRECT TO YOUR SERVER
Send data to the server of your choice

## VERSATILE MOUNTING
DIN rail, wall or panel mount

## GPS + GNSS
Accurate position and speed

## IP67
Waterproof and dustproof

## NOTIFICATIONS
Receive email and SMS warnings and alarms

## BUILT TOUGH
UV resistant and strong

## SECURE
identities, encrypt links and ensure integrity

## CLOUD SERVICES
Use the Senquip Portal to view

update devices

## SIMPLE SETUP
Use any phone, tablet or computer with the integrated webserver

## 10 -72VDC
Integrated solar regulator
Internal backup battery

## EXTERNAL ANTENNA
4G and GPS antenna included

## INTERNAL SENSORS
Accelerometer for pitch, roll and vibration. Tamper detection, temperature, and voltage monitoring