



INFRASTRUCTURE



- ◇ 100s of Wireless or wired sensors
- ◇ Wireless/LAN/Edge/Celular Gateways
- ◇ Secured Cloud access
- ◇ Optimal battery life of devices
- ◇ Non-invasive setup in days

SENSORS



- ◇ Temperature, Humidity, water leak, CO2(PPM), Acoustics, Magnetic.
- ◇ Panic button, Current, Voltage, luminance.
- ◇ 100s of various sensors.

RADIO TELEMETRY



- ◇ 3G/4G/BLE/NB-IoT/LoRa/Ethernet/Wifi/ZigBee/SigFox/Serial Modbus
- ◇ 433 / 868 / 915 / 923 Mhz frequencies mostly available to support international applications.
- ◇ Non-invasive installation, no disruption to existing infrastructure.

DATA SECURITY



- ◇ Secured cloud storage.
- ◇ HTTPS/MQTT/AES 256 enabled.
- ◇ Secured access controls.
- ◇ Alerts on device low power.

IoT DIGITALIZATION & 24X7 PHYSICAL PARAMETER WITH SUB-METER LOCATION MONITORING SOLUTIONS FOR INDUSTRIES.



MULTIPLE INDUSTRIES SERVED
Manufacturing, Agritech, Chemicals, Oil & Gas, Cold-Storage, Warehouse, Engineering, Health-care and many more.

QUICK & EASY SET-UP
Easily setup solutions with plug-and-play sensors and Gateways, protecting your IT investment without requiring specialized manpower.

ACTIONABLE ALERTS
Setup text and email alerts on your business rules to designated recipients.

AUDIT TRAILS
Document your corrective actions within the app for audit trails and record storage and device history with data logs.

REPORTS
Daily, weekly, monthly and custom date range reports based on your business rules can be setup to be sent via email.

INTEGRATIONS
Powerful Rest APIs and pre-configured integrations with many applications available.

REMOTE MONITORING
Monitor single or multiple locations with the same dashboard.

OVERALL BENEFITS

- ◇ Productivity > 40% improvement
- ◇ Sudden downtime > 50% reduction
- ◇ Timely reaction > 100% improvement



THE ISSUE TODAY

- ◇ Traditional vibration analysis is unable to capture unusual & historical impulse vibrations using conventional harmonic techniques.
- ◇ Vibration data needs to be monitored BOTH in time and frequency domains at reasonably regular intervals.

AI-ON-EDGE WIRELESS VIBRATION SENSORS

- ◇ SDS AI-on-Edge Tri-axial Vibration sensors first 'learn' the normal operating vibration signature of the equipment.
- ◇ The sensor compares collected data against a baseline and determines overall machine health. The status of bearings, rotors, gears and valves are constantly monitored.

CURRENT SENSORS FOR POWERLINE MONITORING

- ◇ Additional current sensors are able to provide valuable insights to power line quality anomalies such as sags and swells which cannot be detected by traditional power line tools.

PRESCRIPTIVE MAINTENANCE ADVISORY AND HEALTH MONITORING 24X7 FOR YOUR MOST CRITICAL ASSETS AND EQUIPMENT.



VIBRATION AND 24X7 CONDITION MONITORING OF ALL KINDS OF CRITICAL ROTATING AND NON-ROTATING EQUIPMENT IN YOUR FACILITIES

MULTIPLE SCENARIOS SERVED

Rotating and Non-rotating expensive equipment can be tracked for good health signatures on a 24x7 basis.

PROACTIVE MAINTENANCE

Turn the service and maintenance process to a need-based pro-active mode instead of the usual reactive, troubleshooting approach.

ACTIONABLE ALERTS

EZTrak-IOT Machine Learning (ML) capabilities are able to diagnose potential problems well before they actually occur.

DASHBOARDS

You can monitor the operating graph of the equipment signatures on your smartphone or tablet.

REPORTS

Weekly, monthly and custom date range reports of your equipment health and recommended actions can be setup to be sent via email.

ZERO OVERHEAD COST

Besides the modest setup fees, there are no additional extra costs for manpower, training or civil constructions.