



SeethaRam

Mechatronics Pvt Ltd

◀ Bridging Gaps in Technology ▶

Overview



Connect



Monitor



Control

Domain Expertise



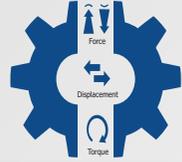
Connect



Monitor



Control



Detection, measurement, analysis of physical parameter measurement



Force



Displacement



Torque



Pressure



Temperature

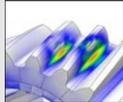
Augmented analytics for fast, predictive and insightful engineering.



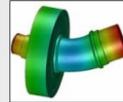
Stress



Strain



Gear Tooth Mesh



Torsional Deflections



Strain Gauging

Asset Monitoring & Tracking

These solutions could be used for monitoring, reporting and tracking material movement, appropriate refrigeration, HVAC Environs, right handling & transport, pilferage and sabotage. Such intelligence can be used for process and material movement improvement, and meet international standards for material handling and insurance stipulations.

In Transit



Safety in Transport



Integrity/ Anti Pilferage



Insurance Compliance



Environment Sensor



Vibration Tag

Discrete Build Blocks

- Sensors, Signal Conditioners..
- Display Controllers, Loggers..
- Wireless Devices, Custom Electronics..



Asset Condition Monitoring

These solutions detect, estimate, extrapolate, Start / Stop real time, working duration, Intensity of Use Conditions, Critical failures, Efficiency of Systems and estimated Energy Consumption and other related information which can be used by Production, Maintenance and Higher management for Business Intelligence.

Sensors:

Vibration, Strain, Force, Displacement, Torque Sensors,



Connectivity:

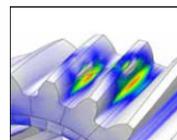
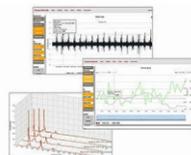
Wi-Fi, RTUs, Mod-Bus, Serial, Di/Do, Gateway



Ready

Data-base & Analytics:

Vibration, Strain, Force, Displacement, Torque Sensors,



SeethaRam Mechatronics Pvt Ltd provides products and solutions for IOT Ecosystem. Apart from catalog offerings, you may contact us for complete electronic design solutions from the stage of design to manufacturing for IOT's / Embedded Products. Right from PCB layout, board & enclosure designs integrating embedded electronics, digital and analog acquisition, and power systems, we can do it all.

Sensor Node



Sense

- Field to Cloud Connect
- Continuous Raw Data to Cloud

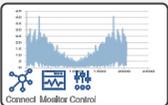
Edge Device



Sense, Measure, Interpret

- Adjustable bandwidth, sample rate, and dynamic range
- Event alerts,
- Threshold triggers,
- Interrupt detection

Pro - Edge



Sense, Measure, Interpret & Advanced Analytics

- Fourier transforms (FFTs),
- Filter frequency response
- Plot & Push Critical graphs



Heat Exchanger & Large fans



Pumps



Structural Health Monitoring



Inspection Services



Centrifuges

Vibration

Frequency

Acceleration

Speed

Temperature

Velocity

Displacement

Alignment



Reciprocating Compressor



Motors



Turbines



Few Customers

