

Limitless possibilities on cloud start from reliable data on the ground



Digital Twin



Remote Control /
Monitoring:



Design Validation



Predictive
Maintenance



Virtual Reality
Training



SeethaRam
Mechatronics Pvt Ltd

Bridging Gaps

◀ Bridging Gaps in Technology ▶



Connect



Monitor

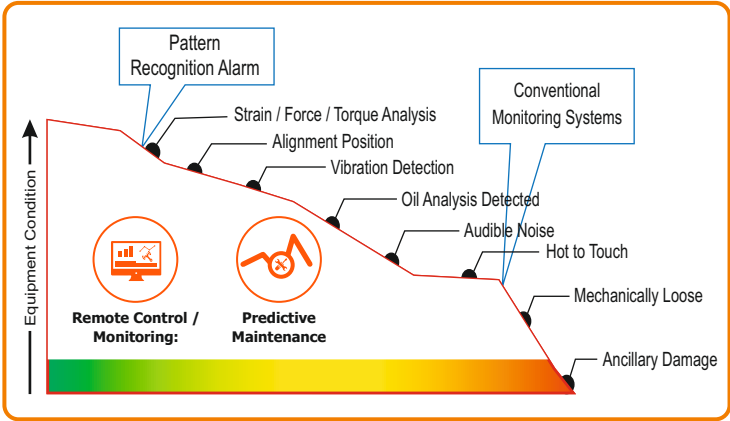


Control

Measurement Data Points

Limitless possibilities on the cloud start from the reliable data points from the ground. In OEM assemblies / complex design, there are challenges to pick reliable data with ready-to-use sensors.

Custom miniature sensing elements may have to be embedded on the rotating machines / moving parts members to transmit reliable data points. It could be strain gauges, pressure pads, custom displacement, vibration, temperature probes etc.



Data Points for Predictive Maintenance

Contact us for your measurement challenges and we can come out with objective solutions. We can architect solutions to push data to cloud for your analytics

Domain Expertise



Connect




Monitor




Control




Detection, measurement, analysis of physical parameter measurement




Force




Displacement



Torque



Pressure




Temperature

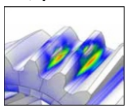
Augmented analytics for fast, predictive and insightful engineering.



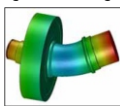
Stress



Strain



Gear Tooth Mesh



Torsional Deflections

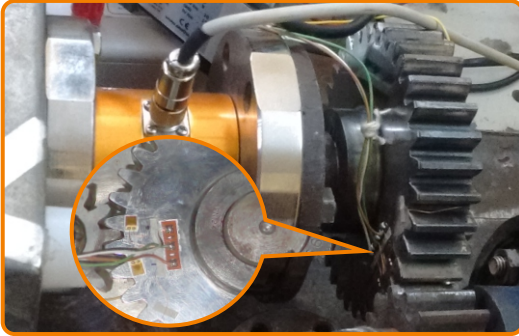


Strain Gauging

Digital Twin - Products, Process & Test Rigs



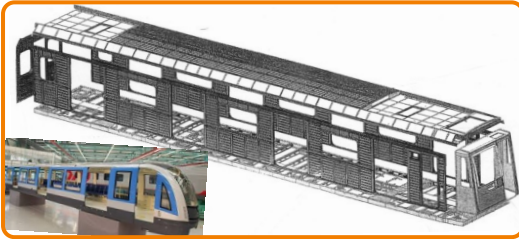
Digital Twin is extremely relevant in few Legacy Products & Process for Fortune companies.



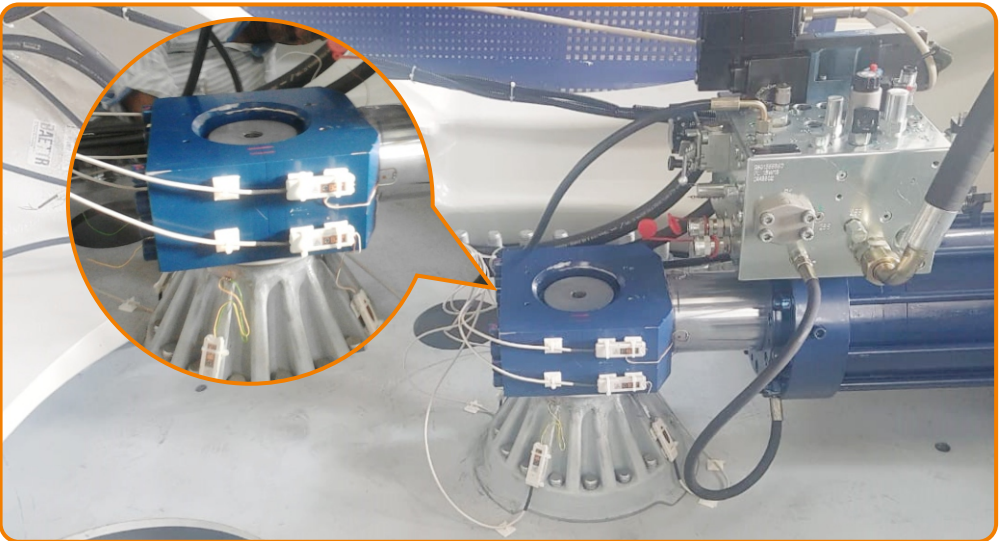
Gear Mesh Stress

On design updates, change in manufacturing process, delegated subcontracting, raw-material change, the product and process warrants re-validation with rigorous renewed test scenarios.

Digital twinning of the new product variant and the test rig can add enormous amount of augmented analytics that make re-validating products fast, predictive and insightful engineering. Contact us for enabling the Digital Twin.

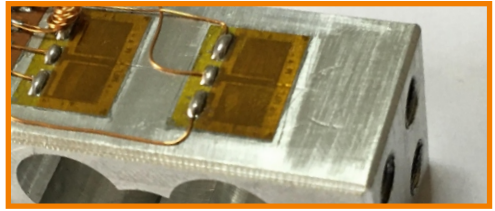
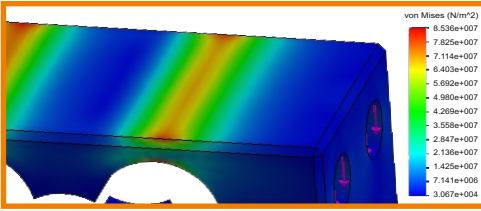


Car Body Deflection



Strain Pickup - Wind Turbine Assembly

Strain Gauging Services



Contact us for Specialist Strain Gauging Services for critical measurements & Design Validation

Ready to use / Custom Built

Sensors & Connectivity:

Vibration, Strain, Force,
Displacement, Torque Sensors,
Wi-Fi, RTUs, Mod-Bus, Serial, Di/Do, Gateway



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.

Few Customers

