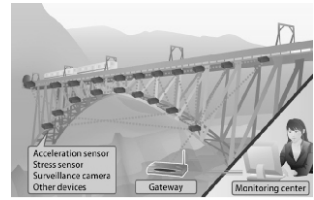


STRUCTURAL HEALTH MONITORING

Structural monitoring involves the process of implementing a damage detection and characterization strategy for engineering structures.

Structural health parameters such as corrosion, cracking, strength, tension, location of rebar / delaminations are measured with physical parameters measuring sensors.

Smart sensors with inbuilt power supply, primary sensors and transmitters enable wireless sensor network which helps in remote structural health monitoring.



Structural Health Parameters	Physical Parameters	Sensor Used
Corrosion	Acceleration	Accelerometers
Cracking	Strain	Strain gauge
	Climatic Conditions	ECO sensors
Strength	Curvature	LVDTs & Inclinator
Tension	Displacements	Non Contact Laser displacement sensor
	Load	Load cell
Location of rebar / Delaminations	Tilt / Slope	Inclinometer

Specifications are subject to change without notice

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