



REMOTE MONITORING SOLUTIONS

Remote monitoring provides a cost-effective and efficient solution to meet your project schedules and deadlines, allowing 24/7 data collection using wireless technology

Always Working

The sensor units and modems are protected in a weatherproof NEMA 4 housing unit. The units are solar-powered with battery back-up in the event power is unavailable.

Always Accessible

The data are available to the client through a password-protected Web site, allowing easy access at all times.

Always Up-To-Date

Remote monitoring enables real-time analysis of construction and structures such as dams, bridges, buildings, and historic structures.

GEMS offers remote monitoring for a wide range of applications for the following industries:

- Construction and Engineering
- Biotech Research Laboratories
- Universities and Colleges
- Industrial Facilities
- Medical Laboratories
- Manufacturing Facilities
- Museums and Historic Structures
- Dam and Bridge Integrity
- Transportation and Roadways
- Quarry Blasting

Vibration, Dust, and Noise Monitoring

at construction sites, industrial facilities, laboratories, and quarries

Crack Monitoring

at structures such as buildings, dams, and bridges

Air Quality Monitoring

to assess ambient air quality conditions for safety and environmental compliance



HOW CAN WE HELP YOU?

24/7 DATA COLLECTION USING WIRELESS TECHNOLOGY

Real-time data acquisition is critical to ensure that your site conforms with all the necessary air quality, sound, and vibration monitoring requirements and applicable regulations. Long-term remote monitoring at dams, bridges, and other structures provides continuous data for clients to assess structural integrity at all times.

Remote Monitoring Services

- Characterize baseline and post construction site conditions
- Monitor the effects of construction with real-time data
- Receive early warning of predetermined threshold and limit values
- Acquire data to support a legal defense against damage claims
- Monitor the in-service performance of a structure or equipment during construction or ongoing facility operations
- Baseline monitoring

Remote Instrumentation Equipment

- Seismographs
- Accelerometers
- Crack Monitors
- Dust Meters
- Sound Meters
- Strain Gauges
- Extensometers
- Air Quality Monitors
- Environmental Monitors
- Geotechnical Monitors
- IP Cameras



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