How Remote Condition Monitoring Sustains Manufacturing Outcomes
Benefitting oil & gas, energy and industrial manufacturing industries

What is remote condition monitoring and diagnostics?
Expert machinery monitoring, diagnostics, and performance analytics are performed offsite and delivered remotely via secure connections to provide timely and actionable insights that help teams improve operations, mitigate unplanned downtime, and bridge onsite personnel gaps.

Global trends require new ways of thinking and operating
- Remote working arrangements
- Budget cuts and reduced workforce
- Loss of expertise due to retirement
- Travel restrictions
- Unforeseen global events

Industries include:
- Refining
- Upstream Oil & Gas
- Power
- Petrochemical
- Mining & Aggregate
- Wastewater Treatment
- Metals
- Pulp & Paper
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- Mining & Aggregate
- Wastewater Treatment

Offsite remote monitoring provides onsite results

Setup & Baseline
- Establish asset health baseline
- Configure software alarms for early problem identification

Monitor & Diagnose
- Problem identification and event management
- Issue resolution

Optimize & Tune
- Proactive tuning to limit nuisance alarms

Data Auditing and Reports
- Exception reporting for all system health alarms (software, hardware, machinery)
- Pre/post outage system health reviews
- Customer KPI reviews

Four key service offerings

Up to $1M/day
Avoided cost from lost production, secondary process & equipment damage

>90%
Typical reduction in non-actionable alarms & events

5–10X
Cost reduction for planned maintenance vs unplanned downtime

100%
Critical protection transducers & channels validated & healthy

100% ROI
A single machine saves often results in complete RMaaS contract payback

4–10X+
Current monitoring contract ROI’s

$15–25K
Annual IT-related savings with hosted option

Bently Nevada is a remote condition monitoring partner you can trust

60+ years of condition monitoring experience
160+ machinery diagnostic engineers worldwide
15,000+ machinery diagnostic projects
8 Million+ monitoring points installed worldwide
60,000+ product service jobs performed

Want to learn more?
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