

GraceSense™ Data Review Template for Pilot Installations

Intended Audience:

- Maintenance and Reliability Engineers
 - Site Managers
 - GraceSense System Administrators
 - Technical Review Teams
-

Purpose of This Template

To provide a repeatable structure for reviewing GraceSense data during pilot installations, allowing for consistent communication of findings, trends, and system performance.

Slide Structure & Content Guidelines

Slide 1: Title Slide

Title: *[Site Name] – GraceSense™ Vibration Monitoring Data Review*

Subtitle: Date of Review

Visuals: Site logo, GraceSense logo

Talking Points:

- Introduce purpose of the meeting
 - Quick summary of the review scope (equipment, installation timeline)
-

Slide 2: Installation Overview

Content:

- Equipment monitored (e.g., Ball Mill, Fan, Motor, etc.)
- Number and placement of sensor nodes
- Communication method (Wi-Fi, ComboGate, Cellular, etc.)

Formatting Tip: Use bullet points with a simple equipment diagram

Talking Points:

- Overview of sensor layout
 - Key dates: installation, commissioning, and first data review
-

◆ Slide 3: System Architecture

Content:

- Flow diagram: Sensors → Gateway → Maintenance Hub
- Data polling frequency
- Transmission type and interval

Formatting Tip: Include a visual diagram of data flow

Talking Points:

- How the system is structured
 - Any site-specific configuration details (e.g., local network quirks)
-

◆ Slide 4: Asset Setup Page

Content:

- Screenshot or mock-up of asset in Maintenance Hub
- Asset naming convention
- Gateway assignment

Formatting Tip: Use a full-width image or split layout

Talking Points:

- Clarify which assets are being monitored
 - Note if all assets report to a single gateway or multiple
-

◆ Slides 5–8: Node-by-Node Vibration Data Review (Repeat one slide per sensor/node/asset position)

Content:

- Node ID / location (e.g., Inboard Motor, Outboard Bearing)
- Summary of observed vibration bands (1X, 2X, sub-synchronous, etc.)
- Screenshots of data or time-history plots

Formatting Tip: Include 3-column layout (Direction – Frequency Band – Observation)

Talking Points:

- Any elevated readings or anomalies
- Probable causes (if any known)
- Initial thoughts on severity or trend

◆ Slides 9–12: Overall Vibration Data Trends (One per asset/node as needed)

Content:

- Trendline chart (overall vibration level over time)
- Observations (spikes, leveling off, increases)

Formatting Tip: Line graph per axis (vertical/horizontal/axial)

Talking Points:

- Is the asset stabilizing post-deployment?
- Any early signs of degradation?
- Recommendation: Monitor further, adjust thresholds, etc.

◆ Slide 13: Temperature Data

Content:

- Summary of current and peak temperatures per node
- Note if bearings or housings are warmer

Formatting Tip: Table or bar chart comparison

Talking Points:

- Highlight any temperature irregularities
- Reassure if temps are within expected range
- Flag if further investigation is needed

◆ Slide 14: Wireless Signal Strength

Content:

- Range of dBm values per node
- Average vs. occasional low spikes

Formatting Tip: Line graph or table

Talking Points:

- Acceptable range is typically -85 to -90 dBm
- Note if signal drops are frequent or persistent
- Consider repositioning nodes if signal loss is significant

◆ Slide 15: Summary & Conclusions

Content:

- Summary of key findings (vibration, temperature, signal)
- Recommendations for continued monitoring
- Any potential early interventions

Formatting Tip: Use 2-column layout: “Observations” and “Actions”

Talking Points:

- Which nodes require further observation?
- When to consider this data as a baseline?
- Immediate flags (if any)

◆ Slide 16: Next Steps

Content:

- Follow-up review date
- Thresholding discussion
- Baseline confirmation timeline
- Any maintenance coordination

Formatting Tip: Checklist or bullet list

Talking Points:

- Define timeline for next review
- Assign any needed actions (e.g., physical inspection)

📄 Tips for Presentation

- **Visuals are key:** Use screenshots from the Maintenance Hub
- **Keep slides simple:** Let talking points carry the depth
- **Use real-time data whenever possible** during live reviews
- **Encourage questions** and discussion around anomalies