

# Wireless Vibration Data Acquisition: Cable Wire Stranding Example

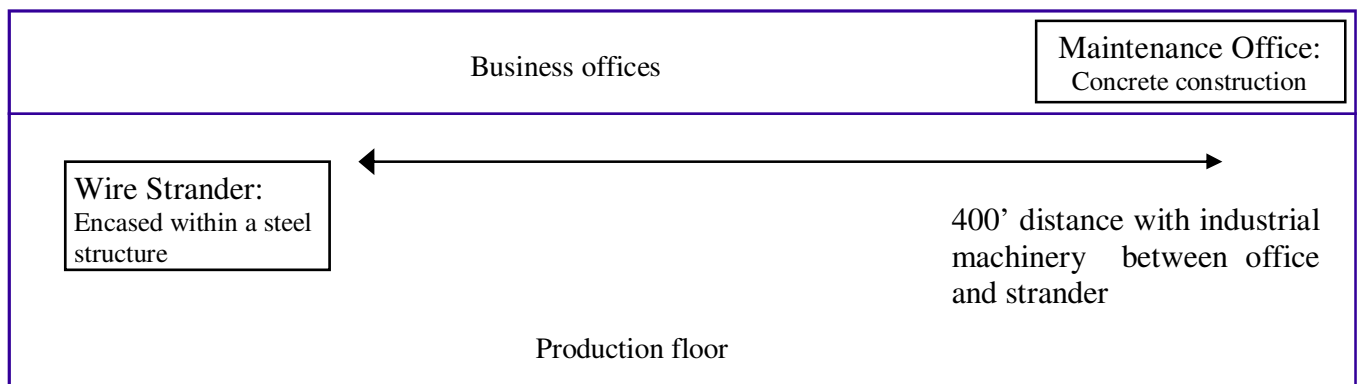


Cable stranding machinery, such as the one pictured, utilize 360 degree rotating arms. Bearings and other components inside the machine are not accessible for condition monitoring.

Experiencing lost production and high repair cost from catastrophic failures, a unique wireless vibration system is now being utilized.

## Highlights:

- ◆ From inside the Strander, condition information is relayed directly to the maintenance office
- ◆ Capabilities include condition alarms, email, remote diagnostics and display of spectra, trends, and waveforms
- ◆ Wireless transmission spans 400 feet and is not limited to line of site
- ◆ Items such as steel stranding machine encasement, concrete office construction and industrial machinery are obstacles for wireless but are overcome by the unique system installed
- ◆ Data is collected every 3 seconds



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