

Piping Vibration Screening Software

Veridian – Free Software for Industry

www.woodgroup.com/vdn



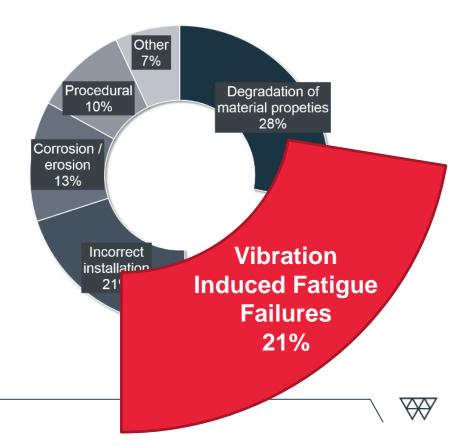
An issue affecting all operators and engineering firms...











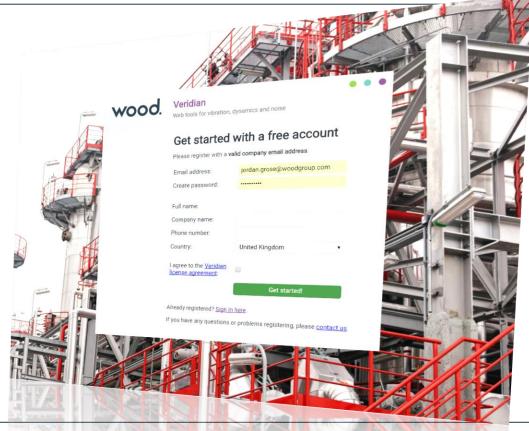


What is currently done today?

- Mixed approaches common in North America
 - Acoustic and Flow induced vibration
 - Not very rigorous in practice
 - Small bore piping, usually not considered
- No impact of changing operating conditions considered
- Detailed design activities lost before commissioning



New tool available free to Industry - Veridian





Veridian





Case Example: Middle East LNG – existing facility

- Risk assessment of three LNG trains
- Over 2,200 main-line vibration assessments
- Veridian used in
 - vibration risk assessment
 - prioritize field inspection program
- Field anomalies identified & managed using Veridian AM.
- 1000's of hours saved with:
 - efficient data management
 - One location to managing anomaly progress





Why Veridian?

- Consistent methodology recommended by industry:
 - ASME B31.3
 - API 571
 - Energy Institute AVIFF 2nd Ed. 2008



Why Veridian?

• Free...



Why Veridian?



Why Veridian... used on many projects

A proven method over ad-hoc reactive vibration approaches





























Why is it free?

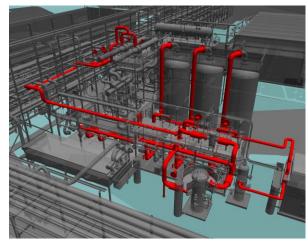
• Allows **WOOd.** VDN to be top of mind for advanced vibration studies



Case Example: Onshore plant, USA

- Troubleshooting high vibration in piping
- Veridian used to find root cause of high vibrations in field







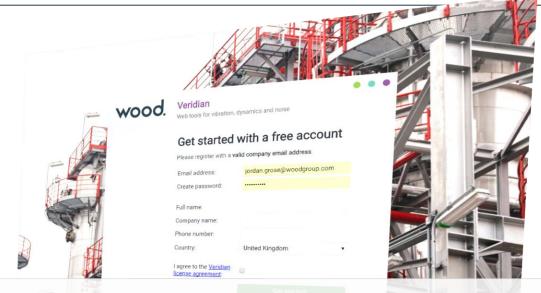
How to use it?

- Go to <u>www.woodplc.com/vdn</u> click on Veridian
- Sign up
 - Worked examples provided in software to understand how it works
 - Wood Group VDN Veridian training courses are available

Contact us directly to learn more!



Thank-you!



www.woodplc.com/vdn



