



AP DYNAMICS engineering

ACOUSTICS AND VIBRATION

Solving Tough Engineering Problems

AP DYNAMICS provides a complete range of **Acoustic and Vibration Analyses** for rotating equipment including new designs, retrofits or for troubleshooting support.

Our highly skilled engineers understand the **complex** nature of dynamic loading and offer **efficient and effective solutions** to mitigate vibration concerns while meeting challenging timelines.

This is achieved thanks to our experts in Vibration.

TYPES OF ANALYSIS

- ✓ API Studies
- ✓ Pressure Pulsation
- ✓ Piping Mechanical Natural Frequency
- ✓ Piping Forced Response
- ✓ Torsional Vibration Analysis
- ✓ Rotordynamic Analysis
- ✓ Small-Bore Connections Assessment
- ✓ Transient Surge Analysis
- ✓ Off-Skid Parallel Pulsation
- ✓ Skid and Pile Design
- ✓ Lifting, Environmental, and Transportation Analysis
- ✓ Flow Induced Vibration

Our comprehensive approach ensures your rotating equipment is designed to minimize vibration and pulsation from the ground up.

TYPICAL APPLICATIONS

- ✓ Reciprocating Compressors
- ✓ Screw Compressors
- ✓ Centrifugal Compressors
- ✓ Positive Displacement Pumps
- ✓ Centrifugal Pumps
- ✓ Piping Systems

