Alta Solutions

2025 Alta Solutions User Group

Register now for the 2025 Alta Solutions User Group meeting held on March 18th and 19th at the Courtyard San Diego Old Town 2435 Jefferson St. San Diego, CA 92110.

This hands-on class will provide in-depth AS-410 Machinery Analyzer software training to allow an experienced vibration analyst to get the most out of our powerful diagnostic tool.

ASUG SAN DIEGO 2025

INTRODUCTION

- Alta Solutions Product Overview
- AS-1250FE Hardware Training
- AS-410 Software Installation

GENERAL AS-410 APPLICATION LAYOUT

- Using Hot Keys and Toolbars
- Drag & Drop, Locks, Cursors, Annotation
- Digital Recording vs Data Snapshot

DATA ACQUISITION & ANALYSIS CONFIGURATION

- Input Setup (Channel and Phasemarker)
- Acquisition Parameters (Frequency Span, Spectral Lines)
- Analysis Parameters (Window, Overlap, Averaging, Triggering)

BASIC DISPLAYS

- Time Waveform/ Orbit Plots
- Spectrum Plots
- Transfer Functions Plots
- Waterfall Plots

MACHINE TRAIN CONFIGURATION

- Creating a Machine Train
- Setting up Data Collection
- Creating Machine Points

MACHINE TRAIN DISPLAYS

- Trend Plots
- Transient Plots (Bode, Polar, Shaft-Centerline)
- Run Out Subtraction (Waveform vs Vector)
- Filtered Waveforms & Orbits
- Machine Train Waterfall Plots

ADVANCED TOPICS

- Full-Spectrum Analysis
- Shaft Synchronous Sampling
- Demodulated Spectrum
- Modal Testing