



STRUCTURAL ANALYSIS

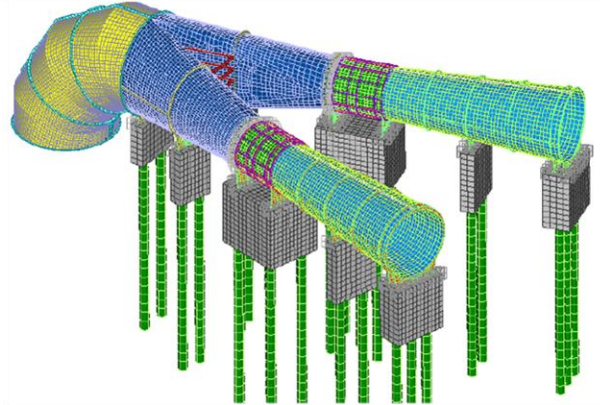
Solving Tough Engineering Problems

AP DYNAMICS engineering

AP DYNAMICS provides a complete range of **Structural Analysis Services** whether it be for lightweight metallic structures, machinery enclosures and foundations, large processing tanks, or pedestrian bridges.

Our highly skilled engineers allow for solutions to **understand** and to **predict** the **physical behavior** of complex systems. We offer **high quality**, **cost-effective** and **client-oriented** project services using proven **state-of-the-art simulation** techniques.

This is achieved thanks to our experienced Structural engineers specializing in numerical simulation



FIELDS OF APPLICATION

- ✓ Lightweight Metallic Structures
 - Industrial Structures
 - Manufactured Buildings
- ✓ Machinery Enclosures and Foundations
 - Static and Rotating Equipment Skids
- ✓ Large Processing Tanks
- ✓ Pedestrian Bridges

TYPES OF ANALYSIS

- ✓ Static Analysis
- ✓ Dynamic Analysis
- ✓ Lifting Analysis
- ✓ Transportation Analysis
- ✓ Seismic Analysis
- ✓ Elastic/Plastic Finite Element Analysis
- ✓ Field Inspections

TYPICAL CODES OF APPLICATION

- ✓ NBC
- ✓ AISC
- ✓ IBC

SOFTWARE

- ✓ STAAD
- ✓ ANSYS™
- ✓ ABAQUS

