



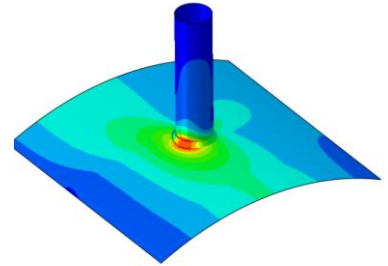
# AP DYNAMICS engineering

# INTEGRITY ENGINEERING

Solving Tough Engineering Problems

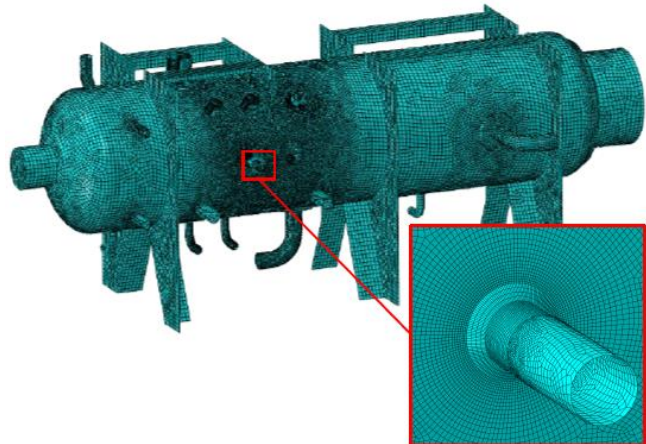
**AP DYNAMICS** provides a complete range of **Integrity Engineering Services**, including design, maintenance, inspection, process, operations, corrosion, metallurgy, and risk analysis to warrant safe and optimal operation of your assets in the future.

Our **fitness-for-service (FFS) engineering assessment** services offers a comprehensive analysis of your asset integrity and determine if they are fit for continued service. It will establish a safe repair planning along with remediation of the degradation mechanism to ensure reliability.



## TYPES OF ANALYSIS

- ✓ Fitness for Service
  - ✓ API 579: Levels 1 through 3
  - ✓ ASME FFS-1
  - ✓ API 1104
  - ✓ ABSA Conformity
- ✓ Stress Analysis
  - ✓ Fatigue and Fracture Analysis
  - ✓ Crack Propagation Analysis
- ✓ Flaw Assessments
  - ✓ Dents
  - ✓ Cracks
  - ✓ Corrosion
  - ✓ Metal Loss
  - ✓ Gouging



## TYPICAL APPLICATIONS

- ✓ Pipelines
- ✓ Launchers/Receivers
- ✓ Valve Sites
- ✓ Compressor Packages
- ✓ Pump Packages
- ✓ Turbines
- ✓ Pressure Vessels
- ✓ Storage Tanks
- ✓ Piping Systems
- ✓ Metering Stations
- ✓ Petrochemical Facilities
- ✓ Mining Equipment

