

# Structural Engineering



## Structural Assessments

- On-site Load Testing
- Material Testing & Weld Testing
- Special Inspections Per *The International Building Code*
- Seismic Testing Lab (AC 156, IEE 344)
- Vibration Analysis
- Design Certification, & Inspection of Fall Protection Systems
- Design Certification, & Inspection of Suspended Access Systems
- Building Façade Inspections
- Tower Analysis
- Finite Element Analysis

## Structural Forensic Analysis

- Property Loss Studies
- Construction Errors
- Inspection of Corrosion, Cracking, etc. of Structural Materials

## Structural Retrofit

- Modifications to Gravity & Lateral Framing System
- Reinforcement for New Machinery
- Reinforcement for New Fall Protection System







# Consulting Engineering

## Engineering and Inspection

We provide engineering services for tank, pipeline and vessel integrity programs for industrial facilities.

- Mechanical Integrity / Fitness-For-Service Evaluations (FFS)
- API 653 / 510 / 570 Inspection Services of Pressure Vessels, Piping, Storage Tanks, and Boilers
- Corrosion and Materials Engineering
- Risk Based Inspection Services
- Turn-key Outage and Project Management Services

## Reliability Engineering

ATS Reliability Services will help you develop and sustain a comprehensive reliability program to prevent failure from occurring.

- Failure Modes and Effects Analysis (FMEA)
- Reliability Centered Maintenance (RCM)
- Practical Plant Failure Analysis Class (24.0 PDH's)

## Safety Engineering

We have licensed Professional Engineers (P.E.'s) on-staff to evaluate and certify the compliance of your equipment which provides you with unmatched piece of mind. ATS stays at the forefront of building maintenance technology which benefits our landlord and property management clients by reducing risks and costs.

- Fall Protection & Suspended Access Evaluations
- OSHA Compliance Certifications
- IWCA Compliance Certifications
- Structural Evaluations
- Condition Surveys



ATS, founded in 1967 and headquartered in Marietta, GA is one of North America's leading consulting engineering firms with extensive testing and inspection capabilities delivering a combination of experience, professionalism and decisive responsiveness for our clients.



[www.atslab.com](http://www.atslab.com)  
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