

FIRM OVERVIEW



Encorus Group is a professional engineering, testing, and inspection services firm with offices in Buffalo and Springville, NY. Founded in 1996, the firm now has a staff of over 70 full-time employees, including licensed Professional Engineers in all major disciplines and a registered architect. This allows Encorus Group to offer a comprehensive in-house solution for any project, no matter how big or small. In addition, our civil materials testing, non-destructive examination, and

mechanical integrity asset management divisions offer a wide range of inspection services to meet the needs of our industrial, commercial, nuclear, manufacturing, healthcare, and higher education clients.

Additionally, Encorus Group is verified as a Service-Disabled Veteran-Owned Small Business (SDVOSB) at both the federal and New York State levels.



NQA-1
Compliant

Nuclear Quality Assurance Compliance

Encorus Group performs work to its established ASME NQA-1 Quality Assurance Program. Our program was established in 2005 and has continually evolved to better meet the intent of our work, the needs of our clients, and generally to improve its effectiveness. The current Encorus Group Quality Assurance Program is organized to address requirements of NQA-1 2008, including NQA-1 2009 addendum, as applicable to our work.

The QA Program identifies a set of implementing procedures for each of the sections of the QA Manual applicable to our work. All Encorus personnel are qualified and trained in the proper use of the program and perform work to the procedures identified in the QA Manual to address and implement each of the 18 requirements of NQA-1.

PARTIAL CLIENT LIST



Mike O'Hara
Client Relationship Manager
O: 718,592,2880 ext. 155
M: 718,264,2727
mohara@encorus.com



Kevin Capp
Director of Marketing
O: 718,592,2880 ext. 150
M: 718,210,2814
kcapp@encorus.com



ENGINEERING DESIGN
Civil, Structural, Mechanical, Electrical, Automation, Fire Protection, Architecture
MATERIALS TESTING +
Concrete, Masonry, Soils, Asphalt, Structural Steel, Non-Destructive Examinations
INSPECTION SERVICES
API, NBIC, CWI, NACE, Asset Integrity Management + Fitness for Service Evaluations

ENGINEERING DESIGN

Civil Engineering

- Civil/Site Design
- Land Development
- Radiological Waste Handling
- Drainage Design
- Dams/Ponds
- Construction Support
- Potable Water Source Development/Treatment/Distribution

Structural Engineering

- New Building Design
- Existing Structure Analysis/Renovations
- Foundation Design
- Seismic and Wind Analysis
- Non-Building/Equipment Support Design

Mechanical Engineering

- Machinery Redesign and Improvements
- HVAC Design
- Stress Analysis of Equipment
- Finite Element Analysis (FEA)
- Piping Design
- Pressure Vessel and Tank Design
- Decontamination and Decommissioning

Electrical Engineering

- Single Line Drawing Development
- Power Distribution Design
- Power Equipment Sizing and Specification
- Ground Grid Systems
- Raceway Systems
- Substation/Switchgear Design

I+C Engineering

- Control Systems (Hardwired, PLC, HMI)
- Control Panel Design
- SCADA System Design & Integration
- DCS (PlantPAx)
- Allen Bradley Certified Service Integrator
- Audio System Design

Fire Protection Engineering

- Lightning Protection Assessments
- Custom Fire Detection Design
- Special Hazards Suppression System Design
- Glovebox, Hot Cell, and Lab Hood Fire Suppression Design
- Code Interpretation/Application

Forensic Engineering

- Expert Witness/Litigation Support/Evaluations

Architecture

- Planning and Design
- Building Assessments
- Construction Administration
- Design-Build Support
- Non-Destructive Exterior Envelope Surveys
- Roof Assessment and Design

Process Engineering

- Process Flow (PFD) and Piping & Instrumentation (P&ID) Diagram Creation
- Heat & Mass Balance and equipment sizing calculations
- Process Hazard Analysis (PHA) Facilitation
- Pressure Safety Valve (PSV) Sizing

Project Management

- Complete Project Management from Inception through Completion
- Development of Cost Estimates, Schedules, and Project Scope Documentation
- Development of Project Risk Management Plans
- Application of Earned Value Management Processes

MATERIAL TESTING

Field Testing/Inspections

- Concrete Field Inspections
- Floor Flatness Testing
- In-Place Density Testing
- Fireproofing/Fire Stopping Inspections
- Certified Welding Inspections
- ICC Special Inspections
- Asphalt Field Testing
- Wood Framing Inspections
- EIFS Inspections
- Masonry Inspection
- Dynamic Cone Penetrometer Testing
- Structural Steel Inspections

Laboratory Testing

- Compressive Strength Testing
- Concrete Mix Design Verifications
- Grain Size Analysis
- Atterberg Limits Testing
- Hydrometer Analysis
- Asphalt Testing
- USCS Soils Classification
- Specific Gravity Testing
- Standard/Modified Proctors
- pH/Organic Testing
- Permeability Testing

Non-Destructive Examination Services

- Ultra Sonic Shearwave/Thickness Testing
- Magnetic Particle Testing
- Liquid Penetrant Testing
- Visual Testing
- Radiographic Testing
- Positive Materials Identification
- Hardness Testing
- Bolt Torque Testing
- Leak Testing
- Anchor Bolt Pull Testing
- Welder Qualification Testing: PQR, WPS, WPO
- Ground Penetrating Radar



INSPECTION SERVICES

- API 510/570/653 Inspections
- NBIC Inspections
- Steel Tank Institute SPQ01 Inspections
- Pennsylvania DEP Tank Inspections
- NACE Coatings Inspections/Specifications
- Certified Welding Inspector (CWI)
- Repair Procedure Development
- API Risk Based Inspection Programs
- Fitness for Service/Failure Analysis
- Vendor Surveillance
- NYS DEC Chemical Bulk Storage Inspections
- NYS DEC Petroleum Bulk Storage
- EPA Spill Prevention Control/Countermeasure Plans
- Fabrication QA/QC-Vessels, Piping, Tanks, FRP
- P-ID Field Walkdowns and Verification
- Pressure Relief and Vent System Design
- Inspection Management Services - Program Development/Turnaround Planning

PROFESSIONAL ASSOCIATIONS

