Introduction to System One Inspection Services

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Introductions

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System One is an industry leader in technical outsourcing solutions.
System One Quality Solutions provides value added Quality Assurance, Quality Control, Supply Chain Assurance, NDE Testing, and Education services to the power generation, gas pipeline, and manufacturing industries.
Who is System One?

...Technical Services Firm Specializing in the Energy and Industrial Sector.

- Founded in 1979 as The Spec Group
- One of the Top 5 Engineering/Technical Staffing Firms, as Ranked by Staffing Industry Analysts
- Our Corporate Headquarters and Inspection services are based out of Pittsburgh, PA
- We have over 50 offices nationwide and over 6,000 consultants on billing in 13 countries.
- PA and WV State Departments of Education Licensed to operate the System One Technical Training Center (SOTC), training NDT technicians and QC inspectors
- 2015 Annual Revenue projected at approximately $550M.
Specialized In:

Leaders in technical outsourcing solutions for:

**Energy**
- Utility/Generation
  - Nuclear
  - Non-Nuclear
- Oil and Gas
- Fossil Fuels/LNG
- Wind and Solar
- Original Equipment Manufacturers (OEM)
- Energy Management
- Transmission & Distribution (T&D)
- Engineering Procurement Construction (EPC)
- Environmental
- NDT/Field Services
- Smart Metering

**Commercial & Industrial**
- Manufacturing Inspection Support
- Food & Beverage
- Manufacturing Facilities
- Aerospace & Defense
- **Design-Build**
  - Architecture
  - Construction
  - Geotechnical

**Scientific**
- Pharmaceutical
- Life Sciences
- Biotechnology
System One Recap

- 42 Locations
- 6,035 Deployed personnel
- 700 Active Customers
- Project over $500 million in revenue in 2015
- Top 30 U.S. Staffing Firm
- Top 5 Engineering Staffing firm
- Staff Headcount 792
# Blue Chip Customers

## Industrial and Energy

- **USS**
- **AREVA**
- **Westinghouse**
- **SIEMENS**
- **PTCAlliance**
- **Washington Group International**
  (Integrated Engineering, Construction, and Management Solutions)

## Wind

- **PARSONS**
- **CDI**
- **CDI**
- **NORESCO**
- **CDI**
- **Piedmont Natural Gas**
- **dominion**
- **haw**
- **Constellation Energy Group**

## IT/Engineering

- **Clipper**
- **ORTHO-MCNEIL**
- **UPA**
- **Johnson Matthey**
- **CenturyLink**
- **BLUEARC**
- **Calgon Carbon**
- **amneal PHARMACEUTICALS**

## Oil and Gas

- **MARKWEST Energy Partners, L.P.**
- **EQT**
- **TALISMAN ENERGY**
- **EXXONMOBIL**
- **XTO ENERGY**
- **Sunoco Logistics**
Highly-utilized

- Investor Owned Utilities
- Exploration and Production
- Midstream
- OEMs
  - Top 5 Power OEM & Technology Service Providers
- 11 of the Top 15 Design-Build Firms
- 6 of the Top 10 Construction Managers
- 10 of the Top 20 Contractors
- 13 of the Top 20 Design Firms
- Over 300 Fortune 500 Industrial Companies
- Manufacturers/Suppliers
- EPC Firms

Blue Chip Customer Base

Aker Solutions
AREVA NP
Chesapeake Energy
Clipper Wind
Consol/CNX
Constellation Energy
CB&I
Dominion
EQT
EXCO Resources
Parsons
Piedmont Natural Gas
Progress Energy
OXY
Reliant
Shaw Group
SOFEC
Talisman
US Steel Corporation
Washington Group International
Westinghouse Electric
System One Provides

Staff Augmentation

Managed Staffing

• We provide Engineering, Project Management, Quality and NDE, Supply Chain professionals

• Capable of recruiting and staffing
  – Contractors
  – Temp to Perm
  – Direct Hire
  – Pay Rolls

• Reduced risk and better utilization of resources

• Economies of scale, standardized processes and reduced costs

• Single point of contact and vendor-on-premises support
• Cornerstone Business Of System One since 1979
• Quality Assurance & Quality Inspection in support of:

  New construction inspection
  Oil, gas, nuclear, fossil
  supply chain quality assurance
  start-up testing and support
  plant maintenance & modification
  NDE , VT, Mechanical, Electrical,
  Civil Structural Inspections

• Quality Program Development, Source Inspections , Program Audits
• Nondestructive Evaluation (NDE) services offered onsite or in
  System One facilities
Nondestructive Testing

- Our NDE services can be provided to supplement existing manufacturing inspection needs, or we can supply cross trained staff for vendor assurance functions onsite, in the field. Certified, cross-trained inspectors support stringent industry standards.

- Radiography
- Digital Radiography
- Ultrasonic Testing
- Magnetic Particle
- Liquid Penetrant
- Vacuum Leak
- Helium Leak
- Hydrostatic
- Visual Inspection

SNT-TC-1A
ASNT/ANSI CP-189
ANSI N45.2
MIL-STD-410
NAS-410
10 CFR Part 50, Appendix B
American Society of Mechanical Engineers (ASME) – Boiler & Pressure Vessel Code
American National Standards Institute (ANSI)
ANSI/ASME NQA-1:
International Standards Organization (ISO)
American Society for Testing and Materials (ASTM)
American Welding Society (AWS)
American Petroleum Institute (API)
American Concrete Institute (ACI)
NUPIC – Audited
NIAC - Audited
System One Technical Training Center (SOTC) is a licensed private school offering classroom and laboratory training.

System One is training the next generation of Certified Pipeline Construction Inspectors (CPCI), Nondestructive Testing (NDT) technicians, Quality Control (QC) inspectors.

System One can provide On-Site OQ Training through Veriforce, NCCER, and MEA.

We recruit and work with local government bodies to develop new industry staff.
Nondestructive Testing Coursework

- Intro to Nondestructive Testing
- Visual Inspection
- Ultrasonic Testing
- Radiographic Testing
- Welding Metallurgy
- Magnetic Particle Testing
- Liquid Penetrant Testing
- Mechanical/QC Inspection
- Interpretation of Codes, Standards & Specifications
- Quality Concepts
Pipeline Construction Inspector Coursework

- OSHA 10 Training
- Integrity Management
- Properties of Natural Gas
- CFR 49 Part 192, 195
- Welding
- Nondestructive Testing
- Pipeline Coatings
- Introduction to Measurement
- Job Specifications/Inspector’s Checklist
- Basic Corrosion
- Tie-ins/Hot taps
- Restoration and Line Markers