



QAE, Inc.®



Global solutions for your Quality Assurance
& Expediting needs: Third-Party Inspection,
Vendor Surveillance & Quality Administration...
Serving the energy industry since 1977

INTRODUCTION

Since 1977, QAE Inc. (originally Fisk/MEI) has provided technical support services to energy companies engaged in various types of engineered projects. QAE Inc. has a staff of materials/quality specialists & expeditors that provide technical expertise to supplement your staff, including your management, engineering, quality assurance and purchasing departments.

We Serve All Spectrums of the Energy Industry:

- Refineries & Petrochemical Facilities
- Gas Processing Plants
- Power Stations
- Steel Mills
- Gas Transmission Facilities & Pipelines
- Subsea Well Completions
- Drilling & Completion of Oil & Gas Wells

QAE Inc., through our expediting & Inspection Services, save our clients money and time, while ensuring that the maximum quality of work is performed. We verify vendors and manufacturers / fabricators are in compliance with your specifications and that they use qualified personnel, and we check their equipment for quality and calibration status.

By Utilizing QAE Inc., Our Clients Gain:

- Cost Savings
- Time Savings
- Added Safety
- Project Efficiency Upgrades
- Peace of Mind
- Comprehensive Information on their Projects
- The Ability to Act Proactively

QAE Inc. has maintained a staff of technical experts and expeditors, including professional material and equipment inspectors. They are thoroughly tested prior to employment and certified through independent programs (ASNT, AWS, CSWIP, ASM). All QAE Inc. employees continue their education through company sponsored training programs.



COMPANY SERVICES



VENDOR SURVEILLANCE

The certified inspection staff at QAE Inc. verifies that your vendors properly implement your required specifications and procedures during the manufacture, inspection and testing of engineered materials and equipment. We also perform on-site surveillance during construction phases.

QUALITY ASSURANCE

QAE Inc. quality specialists work with our clients to develop & implement in-house quality programs conforming to applicable industry standards (e.g. API Specification Q1 and ISO 9000). QAE Inc. prepares the necessary manuals, specs & procedures to implement these programs. Vendor audits can be conducted.

QUALITY ADMINISTRATION

A team of QAE Inc. quality specialists works with our client's staff to develop a Project Quality Plan (PQP). The PQP defines all quality requirements for the project, including all equipment specifications, vendor qualification procedures, vendor audits, quality plan requirements and on-site inspection coverages.



EXPEDITING SERVICES

QAE Inc. expeditors provide our clients with timely and accurate reports concerning their vendor's adherence to manufacturing and delivery schedules. Our main focus is to prevent our clients from experiencing costly delays in project schedules due to the vendor's lack of diligence.

VENDOR SURVEILLANCE

Vendor Surveillance Services (also known as 'Third Party Inspection') allow our clients peace of mind. We assure that your vendors are adhering to your procurement specifications. Our quality inspectors serve as on-site client representatives to provide assurance that the quality level of materials and equipment provided meets your defined requirements.

What Can Happen Without Vendor Surveillance?

- Materials/Equipment Do Not Meet Standards
- Costly Start-up Delays
- Re-work or Replacement of Components
- Lost Production Time
- Inconvenience of 'Doing Without' Needed Services
- Compromises in Safety
- Projects May Be Shut Down

QAE Inc.'s Vendor Surveillance Services concentrate focus in 3 distinct disciplines: Mechanical & Process Equipment; Tubular Products; and Drilling & Completion Equipment. Our vendor surveillance services are not limited to the procurement phase: We also conduct on-site reviews through all stages of manufacturing, fabrication, testing, inspection & shipping.

QAE Inc. Performs Vendor Surveillance for:

- MTR (Material Test Reports)
- Heat Treatment & Mechanical Testing
- Documentation
- Non-Destructive Examination (NDE)
- Welding, Assembly & Product Testing
- Visual/Dimensional Inspection
- Marking, Coating & Packing

Vendor Surveillance is done according to a Project Quality Plan (PQP), which defines your vendor requirements. A Pre-Production meeting is held at the vendor's location to ensure all requirements are understood. Final agreement from all parties is determined, then QAE, Inc. monitors vendor work to ensure the work is consistent with our client's expectations.

VENDOR SURVEILLANCE

Mechanical and Process Equipment

QAE Inc. is highly experienced with engineered equipment, manufacturing processes and special application materials. We work to a wide variety of industrial codes and standards, and customer-specific specifications. We know structural steel, pressure vessels, boilers, reactors, heat exchangers & more.

Mechanical & Process Equipment Areas of Inspection:

- Materials Qualification
- Piping Materials
- Fabricated Materials & Equipment
- Mechanical & Rotating Equipment
- Electrical Equipment & Instrumentation
- On-Site Construction

Tubular Products

If you're purchasing high-end material like Oil Country Tubular Goods (OCTG), you need assurance they are made properly. We provide vendor surveillance for the manufacture of OCTG during fabrication and post-mill operations. We know carbon steels, duplex & martensitic steels, and nickel/titanium alloys.

Tubular Product Areas of Inspection:

- Casing, Tubing & Drill Pipe
- API & Customer Specifications
- Corrosion Resistant Alloys (CRA)
- Line Pipe (Seamless & Welded)
- Mechanical Tubing
- Non-Destructive Examination (NDE)
- Visual/Dimensional Inspection
- Pressure Testing

Drilling & Completion Equipment

Critical service projects, like drilling/completing high pressure/high temp wells, leave no room for equipment failure. QAE Inc. verifies the proper pressure testing has been conducted on rental equipment for your program. We know BOPs, manifolds, valves, wellheads, packers, liner hangers & seal assemblies.

EXPEDITING SERVICES

QAE Inc. (formerly Fisk/MEI) helps our clients to avoid costly delays in the delivery of their materials or equipment. By monitoring vendors daily and reporting weekly, we pinpoint any factors that may have an adverse affect on your schedule. This communication link between you & your vendor allows you to implement corrective action before the schedule delay occurs.

QAE Inc. Provides Expediting Services for:

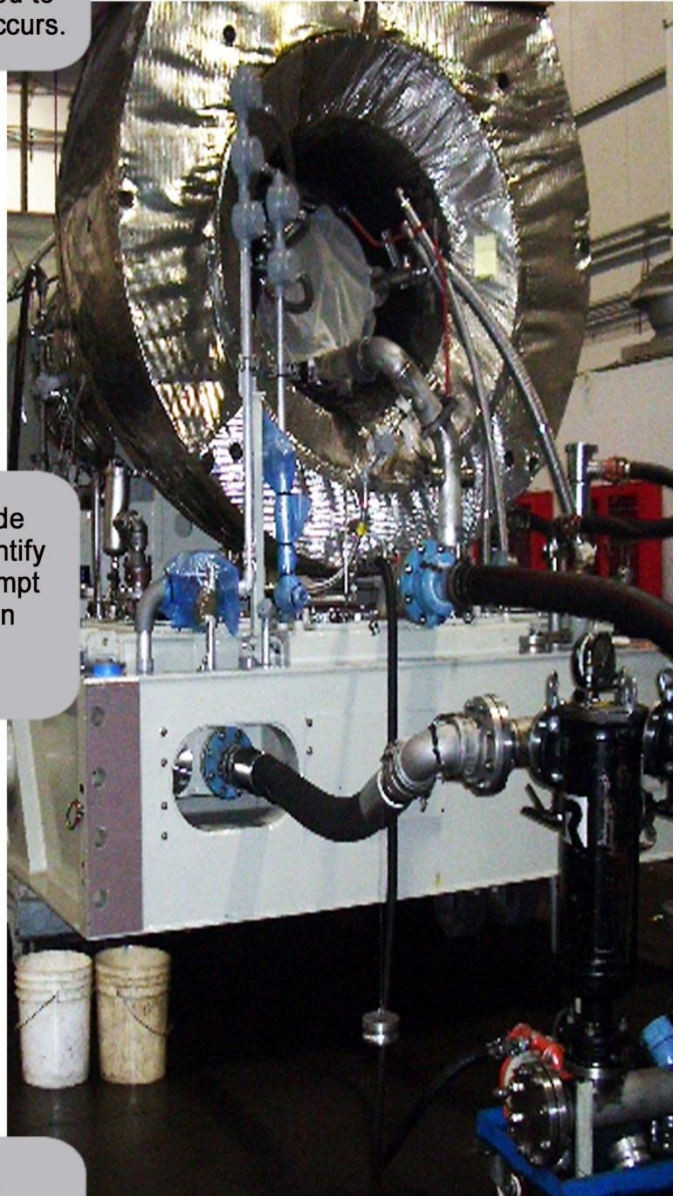
- Oil & Gas Drilling / Production
- Pipeline Transmission
- Manufacturing Facilities
- Oil & Gas Refineries
- Petrochemical Plants
- Power Plants
- Pulp & Paper Facilities

QAE Inc.'s Expediting Staff has worked closely alongside vendors and sub-vendors for years. This allows us to identify typical scheduling problems and obtain accurate and prompt information critical to our client requirements. We maintain electronic communication with vendors and also conduct in-plant visits to assure accurate information is collected.

Our Expediting Programs are Developed by:

- Defining Client Requirements
- Identifying Vendors & Sub-Vendors
- Determining All Members Crucial to the Project
- Structuring a Program Specific for our Client
- Explaining the Reporting System to our Client
- Gathering All Applicable Data

QAE Inc.'s Expediting Reports are organized in a clear, concise format and submitted promptly to our clients. Reports are electronically transferred to our clients within 24 hours of vendor contact. In addition to Individual Reports we provide a Project Status report that summarizes all activities at each location we visit, including both vendors and sub-vendors.



EXPEDITING SERVICES



ENSURE VENDOR COORDINATION

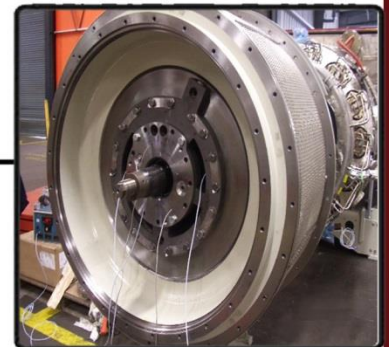
Prior to the start of manufacturing, QAE Inc. makes contact with vendor and sub-vendor representatives to explain our client's project requirements. All procurement documents are reviewed, including purchase orders, specifications & procedures, vendor quality plans and approved drawings.

MAINTAIN COMMUNICATION WITH VENDOR

When in-plant expediting visits are to be conducted, QAE Inc. contacts the proper vendor staff and determines the frequency of necessary visits. By reviewing vendor plans & procedures, we resolve scheduling issues before they become a problem.

DETERMINE CRITICAL SCHEDULES

Critical Schedules for each vendor order are then identified. These may include: Purchase order release to sub-vendors; Customer approval of drawings, specs or procedures; Material receipt & qualification testing; Manufacturing; Fabrication; Inspections; Performance/functional testing; and/or Shipment.



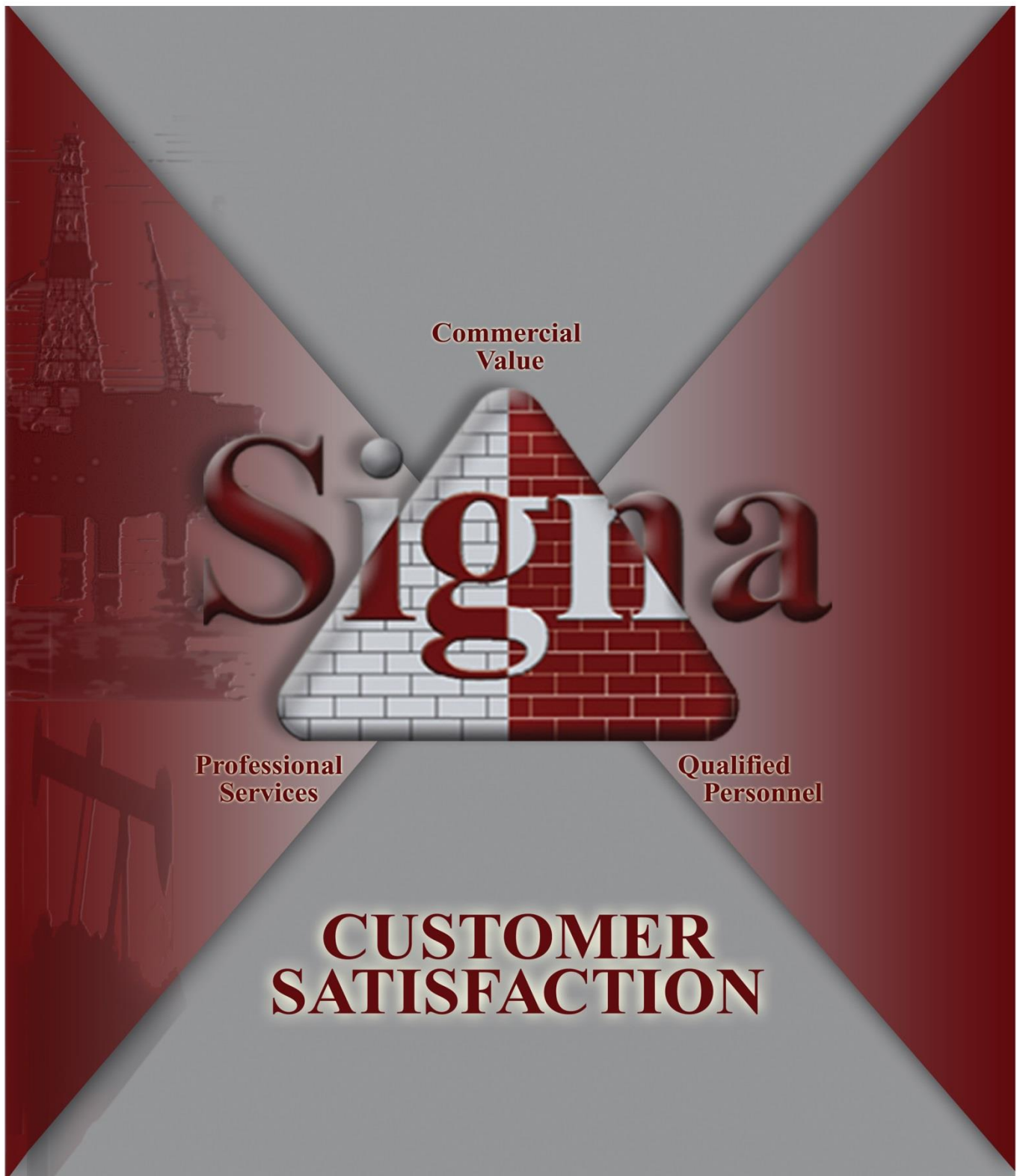
AVOID DELIVERY SCHEDULE CONFLICTS

QAE Inc. identifies any potential factors that may influence vendor schedule commitments, such as union negotiations or maintenance shutdowns. We use a tested checklist to find any conflicts before they cause a costly scheduling delay.



WE WORK TO YOUR SCHEDULE

QAE Inc.'s expediting activities are organized to meet the requirements and timeline of our clients. We work to notify our clients immediately of all factors that might affect the timely delivery of their equipment or services. Since 1977, we've streamlined your delivery process.



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