

Patrick Nonhof Managing Partner

Summary

Mr. Nonhof has experience in the chemical and refining industries with proven results in corporate sales, project management, systems implementation, personnel development, and recruiting. He has demonstrated success directing large process safety management (PSM) and Mechanical Integrity (MI) implementation initiatives across a variety of industry facilities.

Professional Experience

Provenance Consulting, LLC

September 2006 – Current

Managing Partner – Borger, TX

- Determine strategic direction for the company and build the company's exposure in the industry.
- Develop software to document and confirm engineering limits for equipment and provide "proof of traceability" to acceptable source documents as well as verify multiple process safety data repositories against one another to confirm consistent and accurate data.
- Facilitate all aspects of business activity including: accounting, business development, financial projections, and human resources.

Process Hazard Analysis (PHA) Facilitation

- Facilitated multiple PHA, LOPA, and risk studies including:
 - ConocoPhillips
 - Crude Unit at the Borger Refinery: Two week HAZOP & LOPA
 - Relief System for the Borger Refinery: Performed a risk evaluation to determine necessary mitigation plans for known deficiencies in their relief and flare system
 - Multiple project PHAs ranging from one day to two weeks in duration
 - ChevronPhillips
 - Synthesis Unit in Borger, TX: Two week HAZOP and LOPA evaluation including tank truck loading and unloading, storage, reaction, and utilities.
 - Central Processing Unit in Borger, TX: Seven week HAZOP and LOPA involving reaction and distillation processes. The process was contained highly toxic components (hydrogen sulfide) throughout the unit.

Berwanger, Inc. – Houston, Texas

November 1998 – July 2006

Vice President – Site Operations

- Responsible for a staff of 50 engineers, designers, drafters, and software developers.
- Sites account for approximately 25% of the total company revenue, 20% of company profit, and 30% of company personnel.
- Responsible for staffing, quality, and client satisfaction for all projects executed at each site. Determined strategic direction for every site including, business growth, staff development, and tactical investment.

- Established annual financial projections for the division including revenue, expenses, headcount, and profit. Accountable for monthly and annual profit and loss statements.

Engineering Information Management (EIM) - Line of Service Manager

- Developed and coordinated company's execution approach for numerous multi-million dollar projects including quality control systems, execution strategies, and project tracking systems.
- Coordinated business development efforts for division including on-site evaluation of client needs, presentations to all levels of plant personnel, and proposal generation and negotiation.
- Presented many presentations to plant management and corporate-level clients on technical and regulatory subjects.
- Managed teams of site team leads, engineers, designers, drafters, and software developers.

Site Team Leader

- Oversaw a multi-year, multi-million dollar engineering service contract for process safety management (PSM) compliance focusing on process safety information (PSI) verification and generation, mechanical integrity (MI) system implementation, relief system evaluation, and workflow automation and application development.
- Developed and implemented workflow applications including Management of Change (MOC), incident investigation, document management, inspection scheduling, and relief system design databases for refining clients.
- Migrated paper-based system/workflows to electronic work processes including end user training and technical support.
- Identified, documented, and corrected PSM gaps including mechanical integrity, equipment documentation, relief system adequacy, and other engineering deficiencies.

Primary clients and facilities:

ConocoPhillips – Borger Refinery

Valero Energy – Aruba and McKee Refineries

Teppco – Multiple Sites

Sid Richardson – Multiple Sites

ExxonMobil Chemical Company – Beaumont Complex

BASF Corporation

June 1996 – November 1998

Operations Engineer

Lake Jackson, Texas

- Responsible for the daily operation of the polycaprolactam (Nylon 6) unit.
- Utilized statistical process control for daily monitoring and adjustment of key process parameters.
- Utilized design of experiments (DOE) to debottleneck the production lines.
- Execution of small capital projects including design, procurement, and installation of equipment.
- Provided operational guidance for a \$500M expansion project of the facility.

Education

B.S. Chemical Engineering– University of Texas at Austin – 1996

Software Skills

- HYSYS
- SAP
- Microsoft Project
- Primavera
- Microsoft Office and Visual Basic for Applications
- Lotus Notes and Domino Designer

Professional Activities and Affiliations

- Engineering Advisory Board, University of Texas at Austin Chemical Engineering Department
- Member American Institute of Chemical Engineers (AIChE)
- Texas EIT Certificate awarded 1996
- Mary Kay O'Connor Process Safety Conference Presentation, October 2012
- Middle East Nondestructive Testing Conference Presentation, November 2005