



Professional Profile

Curtis (Curt) A. Miller, PE, CFSE
Principle Engineer/ Partner, Exida

Fields of Competence

- Safety Instrumented System Engineering
- Hazard Identification
- Process Safety Management
- Instrument, Control & Automation Engineering
- Systems Engineering
- Project Management
- Alarm Management
- Training – Certified Functional Safety Expert (CFSE)

Experience Summary

Mr. Miller has over 20 years of experience in process instrumentation, control and automation, safety instrumented systems design and project execution. Mr. Miller is a Principle Engineer / Partner with Exida and is responsible for various process safety lifecycle support applications.

In his current position, Mr. Miller has facilitated:

- CFSE certification courses, both domestically and internationally
- ISA 84 Functional Safety Workshops
- Alarm Rationalization Workshops
- ISA 84/IEC 61511 “Gap Analysis” of client’s procedures and documentation
- PHA/HAZOP reviews & SIL determination (LOPA)
- SIL verifications studies
- SIL selection & verification software tool training
- PVST online training module
- Managed FMEDA studies

In his former position, he has solid experience in SIS implementation projects for a variety of process plants across multiple industries. Mr. Miller has worked with Siemens and Honeywell in the South Texas & Louisiana Gulf of Mexico.

He has also supported turbo-machinery protective control aftermarket applications through his position as a service engineer & manager at Petrotech Inc.

These projects included a wide range of responsibilities, from application review and specification to complete solution design engineering.

Credentials

- B.S., Chemical Engineering, Texas A&M Univ, 1986
- MBA studies, 30 hours
- P.E., Control Systems Engineering, LA
- Certified Functional Safety Expert, TÜV, 2005
- Currently in M.S., Safety, Risk, & Reliability pgm
- Riskman2 (Chevron) Approved Facilitator

Key Assignments and Projects:

PRINCIPLE ENGINEER/PARTNER–GULF STATES
Houston / Austin, TX - USA (2004 – Present).

Safety Life Cycle management, consulting, and training for Gulf of Mexico Process Plants.

SENIOR ENGINEER

Siemens / Texas Instruments ISD

Support specification, pre- & post- sale process and machinery safety applications in TX & LA

SERVICE ENGINEER/MANAGER

Petrotech Inc.

Belle Chasse, LA

Supported turbo-machinery controls. Included centrifugal compressor anti-surge, steam & gas turbine, as well as reciprocating engine and complete site integrated control solutions.

ACCOUNT MANAGER

Honeywell

Supported TDC3000 DCS and Critical Process Controller (Triconex) applications for contractors and users in the greater Houston area.

Publications/Symposia:

- “PLCs evolve..”, PL & Gas, May ‘99
- “Olympiad Control Assignment”, Siemens, ‘03
- “Proactive Machine Safety Assessments Pays Off”, Control Design, May ‘05
- ISA Expo “Upstream O&G Managers and Controls Designers: Seven Reasons that S84 is Significant”, Sept. ‘05
- “Get Safety Savvy Now”, Control Design May ‘06
- “Innovative Safety Valve Selection Techniques & Data”, Journal of Haz. Mat.s, Sept. ‘06
- “PSM & SIS: Let’s Bridge the ISA 84 Gaps Now”
- “Joint PHA & SIL Facilitation”, Mary Kay O’Conner Symposium (Texas A&M) Oct. ‘07
- Book “Win/Win: A Managers Guide to Functional Safety” (Jan. ‘08)
- “How ISA84 Compliant are You? This Poll Provides a Benchmark on the Herd”, (TAMU Inst. Symp, ‘09)
- Tutorial #5: Machinery Protective Systems (TAMU Turbo Machinery Symp, ‘10)
- “Non-Traditional Functional Safety Applied to Onshore Gas Production”, MKOC Oct ‘10

Affiliations:

- Instrumentation, Systems and Automation Society (ISA). Senior Member
- ISA Former Chapter President (Austin)
- ISA District 7 Education/Program Chairman
- AIChE, CCPS, Process Equipment Reliability Database Initiative, member
- Past President - Toastmasters