



## Professional Profile

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

### Fields of Competence

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

### Experience Summary

**Mr. Miller** has over 17 years of experience in process instrumentation, control and automation, safety instrumented systems design and project execution with several large corporations in the Gulf Region including Honeywell, Exxon, and Siemens. Mr. Miller is a graduate of Texas A&M University with a B.S. in Chemical Engineering, and is currently the ISA - Bluebonnet (Austin & San Antonio) President.

In his current position, Mr. Miller is a Partner/Senior Engineer with Exida and is responsible for various process safety lifecycle support applications. In this role, Mr. Miller has facilitated:

- Six (6) CFSE certification courses, both domestically and internationally
- Six (6) ISA 84 Functional Safety Implementation Workshops
- ISA 84/IEC 61511 “Gap Analysis” of client’s procedures and documentation
- Roughly a dozen ISA local chapter “ISA 84” updates
- Hazop reviews & SIL determination
- SIL verifications study support
- SIL selection & verification software tool training
- PVST online training module
- Update to complete CFSE course
- Managed FMEDA (Failure Modes & Diagnostic Analysis) 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

### Key Assignments and Projects

**PARTNER/SENIOR ENGINEER**  
Exida

Houston, TX - USA (2004 – Present).  
Safety Life Cycle management, consulting, and training for Gulf of Mexico Process Plants.

**SENIOR ENGINEER**  
Siemens

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:

- “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
- Mary Kay O’Conner, “Innovative Safety Valve Selection Techniques & Data”, Sept. ‘05

### Projects Underway:

- “ISA 84.00.01/IEC61511: A Guidebook for Management Execution” (*to be released at end of 2005*)
- Texas A&M Symposium, “Safety Valve Workshop”, Jan. ‘06

### Affiliations

- Instrumentation, Systems and Automation Society (ISA). Senior Member
- ISA Current President - Bluebonnet Section (Various positions – New Orleans)
- AIChE, CCPS, Process Equipment Reliability Database Initiative, member
- Past President - Toastmasters



## Professional Profile

- B.S., Chemical Engineering, Texas A&M, 1985.
- MBA studies, 30 hours
- P.E., Control Systems Engineering, LA
- Certified Functional Safety Expert, TÜV, 2005  
(*Currently considering M.S., Process Safety Mgt.*)