

# PROVIDING LEADERSHIP IN RELIABILITY



**Why:** To provide all levels of supervision and management with the knowledge necessary to successfully ensure walk-the-talk support of the reliability process and reliability-enhancing activities performed by employees. This course will present an overview of Reliability philosophies, as well as the ways in which these philosophies impact process equipment and business goals.

**Target Audience:** Individuals in supervision and management positions in the pipeline, oil, chemical and utility industries should attend. To get the most from this course, we recommend that all attendees have a good knowledge of operations, maintenance and/or technical support of petrochemical process equipment.

**What:** A basic 1 day course that covers what the leadership in a company or organization must do to build a Reliability Process or enhance an existing one. The course explains the terminology in a process so the leadership knows the language that is used. It presents an overview of some of the tools in order to allow leadership to be able to ask questions and have conversations on reliability activities. It provides an overview of the structure of a comprehensive Reliability Process.

**Instructor:** Albert Ohliger is President of AO Technical Services, a technical consulting company. He is a retired Electrical/Mechanical Engineer with 33 years of petrochemical engineering experience primarily in oil and gas processing. He has assisted with the development and management of the

Reliability Process for a major corporation. He has had engineering supervision and management experience in upstream, downstream and midstream oil industry and polymer chemicals manufacturing. His experience includes maintenance engineering, reliability engineering, and predictive/preventive maintenance technologies. Mr. Ohliger is a member of the American Society for Non-destructive Testing and is an ASNT PDM/TIR Level III certified #107428.

**Where:** Technical Toolboxes  
3801 Kirby Dr. #501  
Houston, TX 77098

**Price:** \$495 per person which includes: attendance fee, Course materials, Continental breakfast, and lunch.

## Class Outline:

### Day 1:

#### Reliability Leadership Philosophy

- Overview of Reliability
- Reliability Terminology
- Examples of Types Leadership Techniques in a Reliability Process

#### Reliability Process Overview

- Basic elements of a Reliability Program
- Timetables for Expectations
- Organizational Culture Enhancers and Barriers
- What to expect from Reliability Assessments

#### Leadership guidance and Expectations for Metrics Setting and Measurement

- Return on Investment Strategy
- Metrics Setting at all Levels in the Organization
- Ensuring Relevant and Measurability of Metrics

**Leadership Development and Planning**

- Defining the Reliability Process
- Importance of Leadership versus Management
- Training for the Process

**Reliability Tools Overview**

- Work Management Process
- Routine and Planned Maintenance
- Proactive vs. Reactive Maintenance Management
- Turnaround / Shutdown Maintenance Philosophies
- Reliability Centered Maintenance Process
- Predictive/Preventative Maintenance
- Program Overview
- Non-Destructive Testing Program Overview
- Risk-based Inspection
- Problem Resolution Process
- Human Factor Analysis Importance
- Reliability in Design Process
- Process Reliability Standardization and Procedures Process
- Operator Driven Reliability Process
- Maintenance Driven Reliability Process



**Please complete the attached form  
and fax to TTI at 713-630-0560**

**Course Cost: \$495 per student**

**Course Date:**

**Name** \_\_\_\_\_

**Company** \_\_\_\_\_

**Address** \_\_\_\_\_

**Address** \_\_\_\_\_

**City, State, ZIP** \_\_\_\_\_

**Country** \_\_\_\_\_

**Phone/Mobile** \_\_\_\_\_

**Fax** \_\_\_\_\_

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**Payment by Credit Card**

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**CC Number** \_\_\_\_\_

**Expiration Date** \_\_\_\_\_

**Signature\*** \_\_\_\_\_

**\* By signing above I commit to paying the course fee when invoiced**

**Terms and Conditions:** One registration is required per person. Upon receipt of your above registration, an invoice will be generated for payment. Payment is due 30 days from receipt of invoice. Full price of the course fee will be refunded provided written cancellation is received 3 weeks prior to course date. A cancellation after the deadline will receive full credit towards a future date for the same course.

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TTI also collaborates with pipeline industry associations and engineering and consulting firms to provide concentrated training courses in Direct Assessment, Cathodic Protection, Hot-Tap Design and other pipeline technical areas. If you would like to receive specialized or on-site training, please contact us at 713-630-0505 or by email at training@ttoolboxes.com