



## **API – 580 Risk Based Inspection, 2015**

**Duration: 3 days**

### **INTRODUCTION:**

The course is based on API RP 580 Risk-Based Inspection and API Publication 581, Base Resource Document. The course first explains feasible means and alternatives for achieving a successful RBI program without undue complications. This course deals with RBI framework and methodology in a simple straight forward manner to establish and implement a risk-based inspection program best suited for the company objectives. Its utility is based on the premise that a few vital equipments in a process plant contribute a majority of the risk. Consequently, if these few equipments can be identified, then testing and inspection can be focused on them rather than several low-risk items.

RBI helps to prioritize their equipment for inspection, optimize inspection methods and frequencies, and develop effective inspection plan commensurate with the risk contribution and equipment condition. The course is focused on methodology of actual implementation of RBI in Oil and Gas industry.

### **COURSE OBJECTIVES:**

The course is based on API RP 580 Risk Based In-spection and API Publication 581, Base Resource Document. The course first explains feasible means and alternatives for achieving a successful RBI program without undue complications. This course deals with RBI framework and method-ology in a simple straight forward manner to establish and implement a risk based inspection program best suited for the company objectives. Its utility is based on the premise that a few vital equipments in a process plant contribute a majority of the risk.

### **WHO SHOULD ATTEND?**

- Refining and petrochemical engineers and inspectors.
- Plant personnel from the pulp and paper, oil and natural gas, and chemical industries may also find the course beneficial.

### **COURSE CONTENTS**

- Overview of Risk-Based Inspection Principles
- Introduction to API RP 580
- Introduction to the 2nd Edition of API RP 581
- Risk Determination & Inspection Planning
- Assessing Damage Mechanisms & Probability of Failure
- Assessing Consequences of Failure
- Assessing Various Risk Determinations
- Identifying, Understanding and Managing Risk Drivers

**GT Technical & Management Institute Pvt. Ltd.**

[info@globaltrainings.in](mailto:info@globaltrainings.in) or [www.globaltraning.in](http://www.globaltraning.in)



- Risk-Based Inspection Planning
- Financial Risk & Cost Benefit Analysis
- Reassessment & Updating
- Understanding Sensitivities of the Risk Models

**GT Technical & Management Institute Pvt. Ltd.**

[info@globaltrainings.in](mailto:info@globaltrainings.in) or [www.globaltraining.in](http://www.globaltraining.in)