



# Charisma Education Pvt. Ltd.

## Training Program on Risk Based Inspection (RBI) in Process, Petrochemical, Oil & Gas Plants

Vadodara, Gujarat, 3 Days, Year 2019

### OBJECTIVE:

The program shall cover the identification of high- risk areas of operating units, estimate the risk values with operation of each equipment items in a refinery, petrochemical and chemical process plants, prioritize the equipment inspections, design appropriate inspection program and systematic management of risk of equipment failures. The program will guide to proper understanding of consequences of failures and the likelihood of failures. A detailed insight into related API 581 shall be covered.

### COVERAGE OUTLINES:

The training program shall be of three days and will cover the following areas:

#### Day 1:

Introduction and Application of Risk based Inspection (RBI) to Process plant Safety  
Risk Analysis including Hazards Analysis  
Qualitative and Quantitative Approach to RBI  
Consequence Analysis (Fluid Properties, Amount available for release, estimate of release rate, post leak response and estimate of potentially hazard area)

#### Day 2:

Likelihood Analysis (Failure Frequencies, Equipment modification factor, Plant Management System, Auditing)  
Development of Inspection Programs to Reduce Risk  
Plant Database Structure

#### Day 3:

Explanation of Base Resource Documents and Technical Modules (includes thinning, stress corrosion cracking, high temperature hydrogen attack, furnace tubes, mechanical fatigue, brittle fracture, equipment lining, external damage)  
Role of Proper Selection of Materials of Construction of Equipment & Machines  
Discussions on Plant Case Histories

This program shall prove useful for

1. Experienced Professionals who wish to brush up their knowledge and stay abreast with the latest in the industry. This would provide you an edge amongst all.
2. Engineers and Technologists and fresher from varied technical background interested in learning more about **Risk Based Inspection (RBI)**.

The training program package includes;

1. Comprehensive course material of 150+ pages for the seminar to each participant.
2. Lectures by renowned experts of 30+ years of experience in the Industry



# Charisma Education Pvt. Ltd.

Our clientele include Oman Refinery, Qatar Petroleum, QAPCO, Oman Gas, PDO Oman, Oman PP, L&T, ABB, TCE, EIL, GAIL, IFFCO, GSFC, KRIBHCO, IOC, RELIANCE, LINDE, REAL, BHEL, TRANSPEK, ONGC, PRAJ, Tecnimont ICB, MECON, Chennai Petroleum, SAIPEM, Nirma & many others who have benefited from technical programs conducted regularly by us.

## **METHODOLOGY.**

Technical Sessions  
Problem Solving Sessions  
Case Studies

## **DATE & TIME**

Place- Vadodara, Gujarat, India  
Date- **3 Days, Year 2019**  
Time: 10.00 AM- 5 PM

## **VENUE**

**Charisma Education Conference Room**  
302 Sunsilver Apartments, Near Akota Garden, Productivity Road,  
Vadodara 390020

## **REGISTRATION**

The Registration fees:

### **Indian Participants:**

Rs. 20000 per delegate

The fee may be sent to us in the form of cheque drawn in favor of **Charisma Education Pvt. Ltd.**, payable at Vadodara.

Request for registration may be sent on the organization letter-head along with the fee as local cheque or through Bank Transfer.

## **CONTACT**

### **Charisma Education Pvt Ltd.**

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