

# Understanding, Developing & Maintaining Oil & Gas Industry Quality Management Systems

## INTRODUCTION

- This intensive training course in Understanding, Developing & Maintaining Oil & Gas Industry Quality Management Systems will enable participants to develop the necessary expertise to understand, develop & maintain Quality Management Systems (QMS) based on ISO/TS 29001:2010 and ISO 9001:2015.
- This training course is specifically designed to meet the needs of the petroleum, petrochemical and natural gas industry. It will build understanding of the purposes and construction of effective Quality Management Systems and the principles and practice of documenting a QMS. In addition, it will help build awareness of certification requirements and help create confidence and enthusiasm for implementation through examples based on real cases, practical exercises, and case studies. Delegates will have the opportunity to test their knowledge and competences through a variety of methods including role-playing and oral presentations.

This training course will highlight:

- How Quality Management Systems can be and are applied successfully in the oil and gas industry?
- Understanding and interpreting requirements of ISO 9001:2015 and ISO/TS 29001
- Organisational implementation and preparing for certification
- Developing a detailed factual understanding of requirements, processes, and concepts
- Creating enthusiasm for implementation, certification, and maintenance of the QMS

## OBJECTIVES

By the end of this training course, participants will know how to:

- Understand and interpret requirements of ISO/TS 29001:2010
- Understand and interpret requirements of ISO9001:2015
- Plan & manage the implementation of a QMS meeting the above
- Preparing for certification
- Awareness of internal audit & QMS training for company staff

## TRAINING METHODOLOGY

- This Understanding, Developing & Maintaining Oil & Gas Industry Quality Management Systems training course is based on both theory and practice and uses examples based on real cases, practical exercises and case studies including role-playing and oral presentations.

## ORGANISATIONAL IMPACT

This 5-day training course will assist the organisation to establish and maintain an effective Quality Management System (QMS) through:

- Building understanding of the purposes and construction of effective Quality Management Systems (QMS)
- Developing understanding of the requirements in ISO/TS 29001:2010 and ISO9001:2015
- Understanding the principles and practice of documenting a QMS
- Building awareness of certification requirements
- Developing the necessary expertise to develop & maintain Quality Management Systems (QMS)
- Creating confidence and enthusiasm for implementation

## PERSONAL IMPACT

- Delegates attending this 5-day training course will enhance their knowledge and experience in the principles and practices of effective Quality Management Systems (QMS), and enhance their careers by:
- Gaining insight into the underlying concepts
- Understanding requirements and non-conformities
- Building experience and confidence through examples based on real cases, practical exercises, and case studies
- Testing their knowledge and competences through role-playing and oral presentations
- Developing the ability to plan & manage the implementation of an effective QMS in the oil & gas industry
- Developing and demonstrating a detailed factual basis for their approach

## WHO SHOULD ATTEND?

This training course is suitable for a wide range of professionals but will greatly benefit:

- Managers and supervisors involved in onshore & offshore Quality Management Systems (QMS)
- Those with responsibilities for conducting quality management audits
- Production, process, maintenance, and HSE personnel
- Line-managers involved in planning / implementing risk assessment programmes

## Course Outline

### Quality Management Systems (QMS)

- Origins of ISO/TC 29001:2010 and ISO9001:2015
- Aims & purposes of ISO/TC 29001:2010 and 9001:2015 QMS international standards
- Quality management system requirements
- Documentation in the quality management system (QMS)
- Certification requirements and processes

### Details of the ISO Standards

- Terminology and definitions
- Clause by clause interpretation of ISO/TC 29001:2010, and exercises
- Clause by clause interpretation of ISO 9001:2015, and exercises
- Proportionality to risks

### Implementing & Managing a QMS

- Top management responsibilities
- Planning the implementation project
- Applicable project management principles & tools in building an effective QMS
- Determination of scope
- Objectives of the QMS
- Quality policies



### QMS Documentation

- Determination of required processes & procedures
- Developing sound & effective procedures
- Quality control processes & procedures
- Developing training material for internal auditors & general staff awareness
- Exercises

### Measuring & Monitoring

- Monitoring techniques
- Preparing for certification
- Internal audit