ABI 16010 – ABIOSH TECHNICAL SAFETY MANAGEMENT

A three-day course for Senior Process Engineers, Senior Safety Technicians ,Process Safety Managers , Process safety Engineers , Technical Safety specialists, Functional Safety Specialists ,Reliability Engineers, Maintenance Managers ,HSE Specialists ,Safety Consultants
The course is delivered through live streaming or can be deliver in a classroom environment

UNIT 1 – The Safety Life Cycle

1.1 - Major Industrial Accident

Bopal – Union Carbide
Piper Alpha – Occidental Petroleum
Flixborough – Nitrogen Fertilisers
MANY OTHERS – Seveso / Mexico City / Pasadena / Chernobyl / Three Mile Island

1.2 -Time Effect

Bhopal – union carbon into liquidation
Piper Alpha
Flixborough

1.3 - Causal Tree

Indirect root and direct causation
Regulative powers
The effect on industry
Incident management

UNIT 2 – Hazard Identification

2.1 - Identifying hazards

Assess risk in the workplace
Identify hazards
Understand the implication of monitoring
Identify who
Identify activities range

2.2 - Risk Management

Assess risk management
Range – determine risks to health and safety and who is affected
Prioritise the health and safety risk
Identify additional measures
Managers – leadership – directors, senior line, functional, technical and employees
Risk assessment

Event tree analysis
Fault tree analysis
HAZID & HAZOP

UNIT 3 – Effect of Major Incident on Business

Loss of reputation
Loss of orders
Loss of business continuity
Loss of capital
Regulators fines
Common law claims

UNIT 4 - Regulations and the Effect

Statute law
Common law
External influences on health and safety within an organisation

UNIT 5 – Employee Safety

Actions to ensure employee safety
Control of hazards – to eliminate accidents
Relevant statutory provisions applied
Take measures to eliminate or minimise the risk derived from those hazards
Organisational – control procedures / P.T.W Method Statement Policies
Investigation into hazards and dangerous occurrences in the workplace
Communication with employees, complaints
Safety meetings
Develop safety rules and systemised work
Monitor safety training
Review future developments and changes
Training programmes
Monitor effectiveness of policies
PPE – stored correctly – issued correctly and fit for purpose
Human factors

UNIT 6 – Sustainable Safety Instruments

Long term planning to maintain stability
Corporate responsibility – the union of economic, social and environmental responsibility
Relationships to safety
Opportunity – proactive sustainability
Transparency – reporting
Like minded organisations

UNIT 7 – Strategy

Identify and consider emergency
Issue and develop opportunities along with associated risks
Innovating improving, sustainable business options

UNIT 8 – Ethics

Spirit of and content of statutory regulations
Develop continuous improvement
Work with stakeholder
Morally – people matter
Effects of injury to individual

The course will be assessed using a Multiple Choice exam paper of 30 questions