

# PROFESSIONAL TRAINING CATALOG



**MY WAY OIL & GAS**  
TRAINING AND SERVICES

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# SUMMARY

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# PRESENTATION

## **PROFESSIONAL TRAINING CATALOG** **MY WAY OIL & GAS TRAINING AND SERVICES**

### **MY WAY OIL & GAS TRAINING AND SERVICES**

is a Service Provider in the Industry sector, Energy, Chemical, Oil, and Gas and associated both of onshore and offshore project.

Our vision is to be a good partner, focused on delivering the expertise and solutions.

Our main mission is to satisfy our customers while keeping the conformity of our services according to the codes, standards, specifications and laws.

Generally, our philosophy is to give our clients high quality services whatever the price or the type of project. Among other things, we appreciate the philosophy of departure and the realization of projects on time and on budget with the highest standards of safety and quality for the satisfaction of all intervenes.

**OUR MAIN GOAL IS TO PREPARE HIGHLY SKILLED CANDIDATES,  
AND THE CERTIFICATES WILL BE THE RESULT.**

# LEADERSHIP & MANAGEMENT

## PROGRAMS

*Maximize team productivity, drive breakthrough innovation, and gain a competitive edge for your company. Through hands-on exercises and dynamic discussions, you'll learn management theories and leadership best practices to help you navigate complex challenges and capitalize on emerging opportunities.*

*Management of quality, safety and the environment:*

- ISO9001Ver2015 Quality management system requirement
- ISO14001V2015 Environmental management system requirement
- ISO45001 V2015 Occupational Health and Safety Management System
- Internal audit of integrated management system QHSE
- The Risk assessment of hazards and environment impacts
- Preparation of all system documents
- Preparation of all systems policies and objectives



# HSE (HEALTH, SAFETY, AND ENVIRONMENT)

## PROGRAMS

*For Confined Space, Working Safely at Height and Scaffolding Trainings, we cover the theoretical and practical training in their dangers, and familiarisation with the use and application of the specific teaching facilities and equipment of the specific teaching facilities and equipment*

*We provide an approved course and learning trainings to a wide range of training orientated to Oil and gas industry including Chemical, Drilling, Electrical, Environmental, Mandatory, Mechanical, Operations, Processing, Professional and Safety,,*

### List of HSE course:

- HSE Awareness ( Induction)
- HIS Awareness & Escape
- Basic Fire Extinguisher
- Display Screen Assessments – Ergonomics
- Manual Handling
- Noise / Hearing Protection
- Waste Management
- Environmental Health & Safety Risk Management (EHS)
- Fire Warden
- Riggers and Banks man Awareness
- SCBA ( Self Contained Breathing Apparatus)
- Sewage Safety – Workers
- Sewage Safety – Managers
- Hazard Analysis at Work
- Safety at Home
- Welding Safety
- Safety for Supervisors
- Gas Testing
- Incident Investigation
- Electrical Safety
- Electrical Safety Rules
- Nitrogen Awareness
- COSHH
- Chemical Hazard Awareness
- Risk Assessment
- Permit to Work
- Construction Safety
- Office Safety

### Lifting and Handling

- Powered industrial trucks
- Fixed and mobile cranes
- Crane Driver
- Slinging techniques



# SAFETY SYSTEM STUDIES

## PROGRAMS

- Firefighting protection system
- Firefighting detection system
- HAZOP studies
- HAZID studies
- SIMOPS studies
- Firefighting system inspection
- Environmental analysis
- Design and erection of safety signs
- Preparation of project HSE Plan
- Design of excavation and emergency panel



# PIPING

## PROGRAMS

- Piping Fundamentals
- Fittings & Ratings
- Piping Materials
- Pipe Supports & Selection
- Insulation & Cladding
- Piping Documents
- Codes & Standards
- Piping equipments
- Symbols in Piping System
- Pipe Routing
- Drawing Interpretation
- Isometric and Orthographic Drawing
- Pigging
- Integrity checking of a Pipe / Pipeline System
- Testing & Inspection



# WELDING

## PROGRAMS

- Visual inspection of welds
- Welding procedure specification
- Certification of welders according to international standards
- Welding procedure qualification

### **IMPLANTATION OF QSE AND WELDING MANAGEMENT**

#### **IMPLANTATION OF QUALITY MANAGEMENT SYSTEM IN ACCORDANCE WITH ISO9001-2015**

- Implantation of Environmental management system in accordance with ISO 14001-2015
- Implantation of Health Safety management system in accordance with OHSAS 18001-2007
- Implantation of Health and Safety management system QHSE
- Preparation of all system documents.
- Preparation of all system policies and objectives.
- Implantation of Welding System in accordance with ASME- ISO3434-API
- Implantation of CE Marketing Management system
- Welding management system:ASME STAMP - ISO3834-CE

### **HAZARDS studies: HAZOP-HAZID-SIMOPS-legal classification**

- The requirement of standard ISO/CEI 17025V2012
- Requirements of standard ISO/CEI 17025

### **WELDING INSPECTION**

- Interpretation of Project specifications.
- Interpretation of code and standards.
- Preparation of Quality Plan.
- Preparation of Inspection and Test Plan ITP.
- Preparation and review of Inspection procedure
- Preparation and review of NDE procedure.
- Review of design calculation and drawings.
- Inspection of raw material: flange, head, pipe ...
- Survey of cutting and Joining process.
- Witness of all NDE and testing.
- Witness of all hydrostatic and pneumatic tests.
- Visual inspection
- Dimensional and geometrical Inspection.
- Welder Qualification.
- Preparation and qualification of WPS.
- Inspection and analysis of existing equipment.
- Verification of welding equipment (NEMA).
- Failure and crack Analysis.
- Third party expertise.

### **WELDING ACTIVITY**

- IWE: International Welding Expert
- ISW: International Skilled Welder
- IWI: International Welding Inspector
- STS: API 6sO Storage Tank Specialist
- PVS: Pressure Vessel Specialist
- PLS: Pipe-Line Specialist
- PPS: Process Piping Specialist



# NON-DESTRUCTIVE TESTING

## PROGRAMS

- RADIOGRAPHY (RT)
- MAGNETIC (MT)
- DYE PENETRANT (PT)
- ULTRASONIC (UT)

### NONDESTRUCTIVE EXAMINATION

#### LIQUID PENETRANT EXAMINATION

- MAGNETIC PARTICLE EXAMINATION.
- RADIOGRAPHIC EXAMINATION.
- LASER DIMVENSIONAL EXAMINATION
- TANK AND FOUNDATION SETTLEMENT EXAMINATION
- TANK AND FOUNDATION SETTLEMENT EXAMINATION
- VACUUM BOX TESTING.
- PNEUMATIC TESTING.
- UITRASONIC THICKNESS MEASUREMENT
- PREPARATION OF NDE PROCEDURE AND NDE MAP
- TOPOGRAPHIC MEASUREMENT DURING HYDRO TEST

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#### REGUIATION VERIFICATION

- LIFTING INSPECTION (CRANE - SCAFFOLDING...)
- ELECTRICAL INSTALLATION VERIFICATION.
- IN SERVICE TANK INSPECTION.
- PIPING AND PRESSURE VESSEL INSPECTION.
- TANK GAUGING



# CORROSION AND METALLURGY

## PROGRAMS

### THE COURSE INCLUDES:

- CORROSION OF COMMON METALS
- BASIC CORROSION SCIENCE
- COMMON CORROSION MECHANISMS: GALVANIC, CREVICE, PITTING, DEPOSITION, CORROSION UNDER DEPOSITS/ LAGGING, STRESS CORROSION CRACKING
- THE ELECTROCHEMICAL SERIES AND ITS PRACTICAL USES
- METHODS FOR PREVENTING OR MANAGING CORROSION, INCLUDING INHIBITORS/ PASSIVATION
- INTRODUCTION TO CATHODIC PROTECTION
- SURFACE PREPARATION CHALLENGES, PAINTS & COATING
- ATMOSPHERIC CORROSION
- MATERIAL SELECTION & DESIGN

### CORROSION ACTIVITY

- CPS: CATHODIC PROTECTION SPECIALIST
- ICA: INTERNATIONAL COATING APPLICATOR
- ICI: INTERNATIONAL COATING INSPECTOR





# COATING, PAINTING, LINING, PC INSPECTION

## PROGRAMS

- 1- MEASUREMENT AND INTERPRETATION OF DFT
- 2- HOLIDAY INSPECTION
- 3- ADHESION TEST
- 4- INSULATION INSPECTION.
- 5- CP SYSTEM INSPECTION
- 6- RUST GRAD VERIFICATION
- 7- PREPARATION GRAD BY BLAST CLEANING INSPECTION.
- 8- PREPARATION GRAD OF WELD AND CUT EDGE SURVEY.
- 9- ASSESSMENT OF SURFACE CLEANIN
- 10- ANALYSE OF SOLUBLE CONTAMINANT (BRESLE METHOD)
- 11- MEASUREMENT AND INTERPRETATION OF WFT



# MECHANIC

## PROGRAMS

- POWER TRANSMISSION SYSTEM
- HYDRAULIC AND PNEUMATIC
- PUMP SYSTEM
- HEAVY DUTY AND DIESEL MECHANIC
- **PRESSURE VESSEL**
- SAFETY OF GAS AND STEAM PRESSURE VESSEL
- MAINTENANCE OF PRESSURE EQUIPMENT IN HAZARDOUS INDUSTRIES
- THE CONDUCT OF BOILERS
- GAS INSTALLATION IN INDUSTRIAL FACILITIES



# CONSTRUCTION AND CIVIL ENGINEERING

## PROGRAMS

- CONSTRUCTION AND CIVIL ENGINEERING FUNDAMENTALS :  
MATERIALS SCIENCE AND KEY PROPERTIES
- CONSTRUCTION PROJECTS AND SURVEYING STRATEGIES :  
STRUCTURAL MECHANICS AND ANALYSIS
- CALCULATION AND STANDARDS IN CONSTRUCTION



# ELECTRIC

## PROGRAMS

- HIGH AND LOW VOLTAGE ELECTRICAL CERTIFICATION
- ELECTRICAL INSTALLATION IN INDUSTRIAL FACILITIES
- ELECTRICAL INSTALLATION IN ESTABLISHMENT RECEIVING PUBLIC
- ELECTRICAL SAFETY
- ELECTRICAL CONTROL PANEL DESIGNING
- INDUSTRIAL ELECTRICAL CONTROL-DESIGN AND INSTALLATION
- BASICS OF RELAYS, CONTACTOR, MCB, MCCB, ELCB, ACB, VCB ETC.
- WORKING DETAILS OF DIFFERENT TYPES OF ELECTRIC MOTORS
- DESIGNING OF CONTROL CIRCUITS USING CONTACTORS, RELAYS, TIMERS ETC.
- DOL, STAR DELTA STARTER DESIGNING FOR 3 PHASE MOTORS WITH SPECIFICATION
- PRACTICAL WIRING SESSION ON DIFFERENT CONTROLS
- MOTOR DRIVES - AC DRIVES AND DC DRIVES
- SAFETY AND MANAGEMENT CONCEPTS OF DESIGNING A PROJECT

### **CONTROL PANEL DESIGNING**

- DIFFERENT TYPES OF PANELS
- BASIC COMPONENTS TO BE INSTALLED IN A PANEL
- WIRING DETAILS OF PANEL
- SPECIFICATION AND PHYSICAL DEMENSION OF COMPONENTS
- EARTHING AND CABLING OF PANELS – STANDARD PROCEDURES
- P & I DIAGRAM PREPARATION
- PLCs IN ELECTRICAL CONTROLS
- NEED OF PLC IN ELECTRICAL CONTROLS
- BASICS OF PLC
- ARCHITECTURE – MODULE
- NO / NC, TIMERS, COUNTERS ETC.
- PROGRAMMING PRACTICE

### **INSTRUMENT CALIBRATION AND VERIFICATION**

- TEMPERATURE AND PRESSURE DEVICES
- LEVEL AND FLOW DEVICES
- FINAL CONTROL ELEMENTS
- ANALYZERS
- THE REQUIREMENT OF STANDARD ISO/CEI 17025V2012
- REQUIREMENTS OF STANDARD ISO/CEI 17025
- INTRODUCTION TO INSTRUMENT CALIBRATION
- CALIBRATION PREPARATION AND PNEUMATIC INSTRUMENT CALIBRATION
- ELECTRONIC INSTRUMENT CALIBRATION
- INSTRUMENT CALIBRATION

### **PRINCIPLES OF INSTRUMENT CALIBRATION**

- CALIBRATION
- CALIBRATION CONNECTIONS
- IDENTIFICATION OF TEST POINTS
- CALCULATING INPUT / OUTPUT VALUES
- CALIBRATING PNEUMATIC INSTRUMENT
- CALIBRATION CONSIDERATIONS AND PROCEDURES
- CALIBRATING AN ELECTRONIC INSTRUMENT
- CALIBRATION CONSIDERATIONS AND PROCEDURES



# AUTOMATION

## PROGRAMS

### **PROGRAMMABLE LOGIC CONTROLLER (PLC)**

- AUTOMATION TRAINING
- PLC TRAINING
- SCADA TRAINING
- HMI TRAINING
- DSC TRAINING
- VFD TRAINING
- PROCESS CONTROL AUTOMATION
- ELECTRICAL CONTROL PANEL DESIGNING
- INDUSTRIAL NETWORKING TRAINING
- EMBEDDED SYSTEM & ROBOTICS TRAINING
- BUILDING MANAGEMENT SYSTEM TRAINING
- BMS TRAINING
- CCTV & SECURITY SYSTEMS TRAINING
- FIELD INSTRUMENT PNEUMATICS TRAINING
- SOFTWARE & IT TRAINING

### **SIMENS**

- SIMATIC WINCC UNIFIED SYSTEM
- SIMATIC WINCC V7
- SIMATIC ENERGY MANAGEMENT

### **SOFTWARE**

- SIMATIC WINCC (TIA PORTAL)
- SIMATIC WINCC FLEXIBLE



# HVAC (HEATING, VENTILATION, & AIR CONDITIONING)

## PROGRAMS

- Introduction to HVAC
- Refrigerants
- Project Procurement works
- Cooling Load estimation
- Preparation of Drawings
- Heating Loss estimation
- Clean Rooms/ Cold Stores
- Air Distribution System
- Ventilation system
- Chilled Water system
- Equipment Selection
- Erection of Equipments
- Maintenance
- Estimation of Projects



# EXPLOSIVE ATMOSPHERE (ATEX)

## PROGRAMS

- INTRODUCTION TO HAZARDOUS ATMOSPHERES & EXPLOSION PROTECTION TECHNIQUES
- HAZARDOUS AREA PRODUCTS - QA SYSTEM PLANNING
- ATEX / DSEAR OVERVIEW
- ATEX / DSEAR
- RISK ASSESSMENT AND HAZARDOUS AREA CLASSIFICATION
- SAFE USE OF ELECTRICITY IN POTENTIALLY EXPLOSIVE ATMOSPHERES & INTRINSIC SAFETY
- TRAINING FOR DESIGNERS OF EX EQUIPMENT
- BESPOKE TRAINING SOLUTIONS



# CLASSIFICATION STUDIES

## PROGRAMS

- REPORT OF COMPANY ORGANIZATION.
- COMPANY IMPLANTATION DRAWING
- COMPANY ARRANGEMENT DRAWING
- EXTRACT OF GEOGRAPHIC MAP
- HAZARDS STUDIES
- NONTECHNICAL ABSTRACT OF HAZARDS STUDIES
- INTERNAL OPERATION PLAN
- INSTRUCTION FOR HYGIENE AND SAFETY
- ENVIRONMENTAL STUDIES
- DEPOLLUTION STUDIES

