XCELERATE TRAINING INSTITUTE
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AGRIBUSINESS SUSTAINABILITY

# Net-Zero and Decarbonisation Strategy for Industry Training Course

Practical Pathways to Lower Emissions in Energy-Intensive Operations

| DURATION | LANGUAGE | FORMAT | COURSE CODE |
|---|---|---|---|
| 5 days | English or Arabic | Classroom / Online | ME-101 |

## Upcoming dates

| Dates | Venue | Format | Fee |
|---|---|---|---|
| 22 – 26 ?????? 2027 | Kuala Lumpur | Classroom | €5?500 |
| 5 – 9 ????? 2027 | London | Classroom | €4?800 |
| 14 – 18 ????? 2027 | Madrid | Classroom | €4?800 |
| 16 – 20 ????? 2027 | Manama | Classroom | €3?800 |
| 25 – 29 ?????? 2027 | Paris | Classroom | €4?800 |
| 6 – 10 ?????? 2027 | Singapore | Classroom | €5?500 |

### Register or ask a question

Online: x8ti.com/course/net-zero-and-decarbonisation-strategy-for-industry-t…
+491631686678 · info@x8ti.com

# Net-Zero and Decarbonisation Strategy for Industry Training Course

## Introduction

Industrial companies in oil and gas, petrochemicals, cement, steel, aluminium and utilities face growing pressure to cut emissions while staying competitive. Gulf countries have announced net-zero targets, and major buyers and investors expect credible decarbonisation plans.

This course explains the technical and economic options for industrial decarbonisation, from energy efficiency and electrification to hydrogen, carbon capture and renewable power, and shows how to build a realistic, costed net-zero roadmap.

## Learning Objectives

By the end of this course, participants will be able to:

- Understand net-zero targets and their implications for industry
- Assess the emissions profile of industrial operations
- Evaluate decarbonisation technologies and their costs
- Use marginal abatement cost curves to prioritise actions
- Build a costed decarbonisation roadmap
- Manage implementation, financing and reporting

## Training Methodology

This course combines short expert presentations with practical exercises, case studies from the Gulf and international organisations, group discussions and work with real templates and tools. Participants are encouraged to bring examples from their own work so that the learning can be applied immediately.

Participants analyse industrial case studies and build a decarbonisation roadmap for a sample facility.

## Benefits for Your Organisation

- A credible, costed decarbonisation plan
- Lower energy costs through efficiency
- Reduced exposure to carbon pricing and regulation
- Improved access to green finance and customers
- Engineering teams aligned on net-zero priorities

## Benefits for You

- Broad understanding of decarbonisation technologies
- Tools to evaluate and prioritise projects
- Ability to contribute to net-zero strategy
- Knowledge of regional energy transition plans
- Strong positioning for energy transition roles

## Who Should Attend

This course is designed for:

- Engineers and engineering managers
- Energy and sustainability managers
- Operations and plant managers
- Strategy and business development professionals
- Project and investment analysts

## Course Outline

### Day 1: The Net-Zero Context

- Climate targets and national net-zero commitments in the Gulf
- Industrial emissions sources
- Carbon pricing and border adjustment mechanisms
- Customer and investor pressures
- Baseline emissions assessment

### Day 2: Efficiency and Electrification

- Energy audits and efficiency measures
- Heat recovery and process optimisation
- Electrification of heat and drives
- Renewable power supply and power purchase agreements
- Flaring and methane reduction

### Day 3: Low-Carbon Fuels and Technologies

- Hydrogen and its derivatives
- Carbon capture, utilisation and storage
- Biofuels and alternative feedstocks
- Circular economy and material efficiency
- Technology readiness and risk

### Day 4: Economics and Prioritisation

- Marginal abatement cost curves
- Capital and operating cost analysis
- Green finance and incentives
- Carbon credits and offsets
- Prioritising the project portfolio

### Day 5: Roadmap and Implementation

- Building the decarbonisation roadmap
- Governance and accountability
- Monitoring and reporting progress
- Engaging employees and suppliers

- Action plan for your facility

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# Registration Form

## Net-Zero and Decarbonisation Strategy for Industry Training Course

Preferred dates: ..... Venue or online: .....

Duration: 5 days Language: .....

Please complete and email this form to us, or register online. We confirm your place and send the invoice within one working day.

### Delegate information

Full name (Mr / Ms / Dr / Eng): .....

Position: ..... Telephone / mobile: .....

Official email: ..... Personal email: .....

### Company information

Company name: .....

Address: .....

City / country: ..... VAT / tax number: .....

### Person responsible for training & development

Full name (Mr / Ms / Dr / Eng): .....

Position: ..... Telephone / mobile: .....

Email: .....

### Payment

☐ Please invoice me ☐ Please invoice my company

Signature: ..... Date: .....

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Open the course page