

# Optimising Process Plants For Enhanced Energy Efficiency

**Duration:** 5 Days

**Language:** en

**Course Code:** IND01 - 146

## Objective

Upon completion of this course, participants will be able to:

- Understand principles of plant optimisation.
- Identify energy conservation opportunities.
- Implement energy-saving techniques.
- Analyse and improve plant performance metrics.
- Develop and apply energy management plans.

## Audience

This course is intended for:

- Plant Managers
- Maintenance Engineers
- Energy Auditors
- Process Engineers
- Sustainability Professionals

## Training Methodology

This course uses a variety of adult learning styles to aid full understanding and comprehension. Including:

- Interactive lectures
- Case studies
- Hands-on exercises
- Group discussions
- Practical applications

## Summary

This five-day course offers an in-depth introduction to the oil and gas industry, covering essential aspects from exploration to production. Participants will comprehensively understand industry dynamics, key processes, and current trends.

## Course Content & Outline

**Section 1: Introduction to Plant Optimisation**

- Overview of plant systems
- Importance of optimisation
- Key performance indicators (KPIs)

**Section 2: Energy Conservation Techniques**

- Identifying energy wastage
- Implementing energy-saving measures
- Monitoring and reporting energy use

**Section3: Advanced Optimisation Strategies**

- Process control and automation
- Use of data analytics
- Predictive maintenance

**Section 4: Case Studies and Practical Applications**

- Real-world examples of successful optimisation
- Group work on specific scenarios
- Developing customised optimisation plans

**Section 5: Developing an Energy Management Plan**

- Creating comprehensive energy plans
- Stakeholder engagement
- Continuous improvement strategies

## Certificate Description

Upon successful completion of this training course, delegates will be awarded a Holistique Training Certificate of Completion. For those who attend and complete the online training course, a Holistique Training e-Certificate will be provided.

Holistique Training Certificates are accredited by the British Assessment Council (BAC) and The CPD Certification Service (CPD), and are certified under ISO 9001, ISO 21001, and ISO 29993 standards.

CPD credits for this course are granted by our Certificates and will be reflected on the Holistique Training Certificate of Completion. In accordance with the standards of The CPD Certification Service, one CPD credit is awarded per hour of course attendance. A maximum of 50 CPD credits can be claimed for any single course we currently offer.

## Categories

Energy and Oil & Gas, Quality & Productivity

## Tags

Renewable Energy, Plant Optimisation, Energy Conservation

## Related Articles




**Fueling the Future: The Role of Petroleum Economics in the Era of Sustainable Energy**

Explore petroleum economics—market dynamics, supply and demand, pricing, policy, and sustainability shaping the future of the global oil and gas sector.