



OS101

MANAGING RISING FUEL COST, FUEL QUALITY & ESG COMPLIANCE IN MODERN OPERATIONS

Practical Fuel Management for Cost, Reliability & ESG Readiness



HRD CORP
CLAIMABLE

GENERIC

0.5 DAY (4 HOURS)

PROGRAMME NO.
10001720566

WHY OS101?

Fuel cost is a major operating expense across transportation, plantation, construction, power generation, manufacturing and hospitality. OS101 gives managers a practical understanding of fuel cost drivers, fuel quality risks and loss prevention while connecting better fuel management with operational efficiency, Scope 1 emissions and ESG reporting. The programme is educational and product-neutral, focusing on decision-making frameworks rather than promoting a specific product or service.

WHO SHOULD ATTEND?

General Managers • Operations Managers • Estate Managers • Mill Managers • Fleet Managers • Engineering Managers • Sustainability & ESG Officers • Procurement Managers • Business Owners & Decision Makers

EXPECTED OUTCOMES — WHAT PARTICIPANTS WILL LEAVE WITH

- Explain diesel fuel-system and combustion principles and common fuel-quality problems.
- Understand biodiesel-blend implications for storage and equipment performance.
- Diagnose common contamination, water, sludge and microbial-growth issues.
- Conduct basic fuel-system inspections, contamination assessment, cleansing and protection procedures.
- Apply preventive-maintenance practices and compare fuel-optimisation approaches.
- Establish monitoring and performance-verification systems and evaluate fuel-saving initiatives.
- Develop a workplace fuel-management improvement plan.

UNDERSTAND → ASSESS → CONTROL → MONITOR → IMPROVE → REPORT

OS101 • COURSE OVERVIEW

Managing Rising Fuel Cost, Fuel Quality and ESG Compliance in Modern Operations

1 The Rising Cost of Fuel Operations

Fuel cost trends and business impact; fuel as a strategic operating cost; hidden costs of fuel inefficiency and downtime.

2 Fuel Quality Challenges in Modern Operations

Biodiesel adoption and fuel-system implications; water contamination, sludge formation and microbial growth; effects on reliability and maintenance cost.

3 Fuel Cost Control and Loss Prevention

Common sources of fuel wastage and losses; fuel monitoring, measurement and theft prevention; overview of fuel-optimisation technologies and operational strategies.

4 ESG Compliance and Future Readiness

Fuel consumption and Scope 1 emissions; fuel management as part of ESG strategy; implementation roadmap: baseline, monitoring, improvement and reporting.

PRACTICAL LEARNING APPROACH

Interactive experience sharing • instructor-led presentation • case studies and industry examples • guided discussion • visual workflows • scenarios • knowledge checks • open Q&A

FROM FUEL COST PRESSURE TO MEASURABLE IMPROVEMENT

- Understand fuel-cost and fuel-quality risks before selecting interventions.
- Establish a baseline, inspect and monitor fuel systems, and verify performance using structured data.
- Connect operational fuel improvements with cost control, reliability, Scope 1 emissions and ESG reporting.

0.5 DAY • 4 HOURS • MANAGEMENT-LEVEL PRACTICAL LEARNING

TRAINER & ORGANISATION



Nip Wing Kan

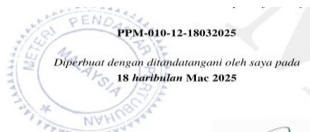
Chairman, Persatuan Petani Organik dan Regeneratif Sabah (SORFA)
SORFA Lead Trainer • Regenerative Agriculture & Circular Economy
Practitioner • ESG / Sustainability Trainer

Training focuses on practical operational improvement, measurement, evidence and sustainability decision-making.

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