

UNLOCKING THE VALUE OF OIL PALM BIOMASS

A Strategic Roadmap for RSPO, ESG & Circular
Economy



HRD CORP
CLAIMABLE

FOCUS AREA (FA)

4 HOURS

PROGRAMME NO.
10001742850

FROM BIOMASS BY-PRODUCTS TO STRATEGIC BUSINESS ASSETS

EA105 gives oil palm decision-makers a strategic framework for turning plantation and mill biomass into business value. Participants examine EFB, POME, OPF, OPT, mesocarp fibre, palm kernel shell and decanter cake; compare value-added utilisation pathways; connect biomass strategy with MSPO, RSPO, DOE and ESG priorities; and develop a high-level transformation roadmap before committing to larger investment.



WHAT YOU WILL LEARN

- How integrated biomass management can improve operational efficiency, resource optimisation and long-term business sustainability.
- How to identify major biomass resources from plantation and milling operations: EFB, POME, OPF, OPT, mesocarp fibre, palm kernel shell and decanter cake.
- How to recognise suitable value-added utilisation opportunities for different biomass resources.
- How to compare biomass pathways based on business objectives, operational feasibility, investment requirements and expected benefits.
- How biomass initiatives can support MSPO, RSPO, DOE environmental requirements, ESG objectives and Circular Economy performance.
- How to evaluate business value, return on investment (ROI), implementation readiness and organisational fit.
- How to prioritise biomass opportunities using a practical decision-making framework.
- How to develop a high-level biomass transformation roadmap for your organisation.

WHO SHOULD ATTEND?

CEOs • Managing Directors • COOs • General Managers • Plantation Owners / Directors • Estate Managers • Mill Managers • Sustainability / ESG Managers • Operations / Production / Engineering Managers • Agronomy Managers • Business Development Managers • Technical Managers responsible for biomass utilisation and resource recovery

WHAT PARTICIPANTS WILL LEAVE WITH

- A strategic understanding of how oil palm biomass can move from low-value by-product to business asset.
- A clearer map of plantation and mill biomass resources and suitable value-creation opportunities.
- A framework for comparing biomass options using feasibility, investment, ROI, compliance and organisational benefits.
- A clearer understanding of how biomass strategy can support MSPO, RSPO, DOE and ESG priorities.
- A high-level biomass transformation roadmap with priorities, implementation steps and expected business outcomes.

1 MAP BIOMASS

2 IDENTIFY VALUE

3 EVALUATE OPTIONS

4 PRIORITISE

5 BUILD ROADMAP

EA105 • COURSE OVERVIEW

Unlocking the Value of Oil Palm Biomass: A Strategic Roadmap for RSPO, ESG & Circular Economy

FROM BIOMASS BY-PRODUCTS TO STRATEGIC BUSINESS ASSETS

MODULE 1 Understanding the Strategic Value of Oil Palm Biomass	Current challenges facing the Malaysian oil palm industry; major plantation and mill biomass resources; move from waste management to resource management; understand biomass as an operational, sustainability and business resource.
MODULE 2 Driving Sustainability Through Strategic Biomass Management	Strategic drivers, regulatory requirements and market expectations; MSPO, RSPO, DOE and ESG alignment; biomass management as a business strategy; evaluate business value and return on investment (ROI).
MODULE 3 Waste-to-Wealth Solutions & Business Opportunities	Explore biomass value-creation opportunities, business value and competitive advantage; compare solution pathways for different feedstocks, operating realities, investment requirements and expected organisational benefits.
MODULE 4 Building Your Biomass Transformation Roadmap	Assess organisational readiness; prioritise biomass opportunities; develop a strategic roadmap; define implementation priorities and next steps; apply a decision-making framework for biomass investments.
COURSE OUTPUT High-Level Biomass Transformation Roadmap	Participants prioritise suitable biomass opportunities, implementation strategies and expected business outcomes to create a management-level roadmap for their organisation.

THE 4-HOUR LEARNING JOURNEY

UNDERSTAND → MAP → EVALUATE → PRIORITISE → ROADMAP

EA105 is an executive programme for deciding how oil palm biomass opportunities should progress toward implementation and investment. Participants connect biomass resources with business value, compliance and sustainability priorities, compare options and finish with a high-level transformation roadmap.

TRAINER & ORGANISATION



Nip Wing Kan
Chairman, Persatuan Petani Organik dan Regeneratif Sabah (SORFA)
SORFA Lead Trainer • Regenerative Agriculture & Circular Economy Practitioner • Industry Trainer

Training draws on SORFA's practical work in oil palm biomass utilisation, biochar, composting and circular resource use in Sabah.

COURSE ENQUIRY & REGISTRATION
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