



**MBSE Learn & Earn**



## Approval Page

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Dr. Paulin Kantue

## Revision History

Issue Number	Date	Revision Author	Description
001	13/03/2026	Dr. Paulin Kantue	Initial Revision



## Purpose

The Learn & Earn MBSE Program is a structured professional development pathway designed to enable engineers to build practical Model-Based Systems Engineering (MBSE) capability through real project execution.

Participants develop competence by working on defined engineering assignments, supported by coaching and integrated within the MoloMolo Tech consulting ecosystem.

## Program Structure

The program operates across three integrated layers:

### Learning Layer (Coaching & Guidance)

Participants receive structured support in:

- MBSE using **Capella (Arcadia method)**
- Systems engineering principles (ISO 15288 aligned thinking)
- MATLAB / simulation exposure where required
- Engineering workflows, structuring, and traceability

The focus is on applied competence development, not theoretical instruction.

### Execution Layer (Assignment-Based Work)

Participants contribute through clearly defined engineering tasks:

- Each assignment includes a Definition of Done (DoD)
- Deliverables are structured and reviewable
- Typical duration: 1–5 days per assignment
- Work aligns with internal or client-facing engineering activities

Assignments are designed to reinforce:

- abstraction over implementation
- traceability and requirements discipline
- interface understanding and risk reduction

### Integration Layer (MoloMolo Tech Ecosystem)

All work is integrated into the broader MoloMolo Tech environment:

- MBSE Validation Engine development
- Simulation and modelling workflows
- Engineering assets and reusable components
- Selected client and internal projects



Participants contribute to **real engineering outcomes**, not isolated exercises.

## Participation Model

### Coaching & Access

- €100 per month
- Includes:
  - Coaching support
  - Access to assignments
  - Access to tools and environments (e.g., MATLAB where applicable)

### Assignment Compensation

- €100 per completed assignment
- Payment is delivery-based, subject to review against DoD

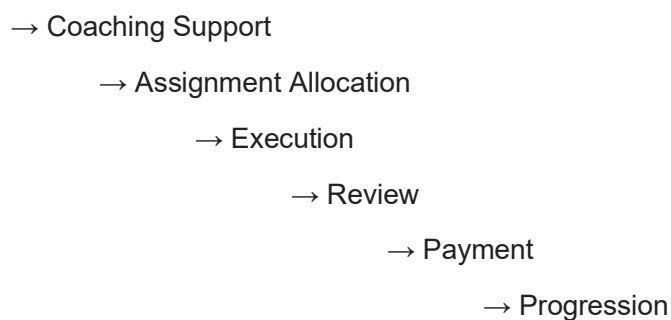
### Monthly Settlement

At the end of each month:

1. Participant submits invoice for completed assignments
2. Coaching fee (€100) is deducted
3. Remaining balance is paid

## Workflow Overview

Onboarding



## Performance Expectations

Participation is based on professional delivery standards:

- Assignments must meet the defined Definition of Done (DoD)
- Outputs must be structured, traceable, and reviewable

- Progression depends on:
  - Quality of work
  - Consistency
  - Ability to work independently over time

Access to further assignments is performance-driven.

## Growth Path

Participants develop along a structured capability trajectory:

1. Initial onboarding and guided assignments
2. Increasing independence in task execution
3. Exposure to more complex engineering problems
4. Contribution to larger workflows and system-level work
5. Positioning for higher-value consulting opportunities

## Expected Outcomes

Participants who actively engage in the program can expect to:

- Build a portfolio of real engineering work
- Develop practical MBSE and simulation capability
- Gain experience with structured engineering workflows
- Improve technical communication and delivery discipline
- Position themselves for consulting or advanced engineering roles

## Suitability

Best suited for:

- Engineers and technical professionals
- Individuals transitioning into MBSE or systems engineering roles
- Professionals seeking practical, execution-based learning

Not suited for:

- Passive learners
- Individuals expecting guaranteed income
- Those not prepared to deliver structured engineering outputs

## Important Considerations

- The program is not a traditional course
- Compensation is tied to completed and accepted work
- Progression is based on demonstrated capability
- Coaching supports execution but does not replace individual responsibility

## About MoloMolo Tech

MoloMolo Tech is an engineering consultancy specialising in:

- Model-Based Systems Engineering (MBSE)
- Simulation-driven validation (MATLAB / Simulink)
- Certification-aligned engineering workflows

The Learn & Earn program forms part of a broader initiative to build scalable engineering capability across Europe and Africa.

