

A black robotic arm with a gripper is positioned over a wooden table. A white square marker is visible on the table surface. The background is a plain wall. The text 'ohm lab' is overlaid on the left side of the image.

ohm lab

Program and commission robots faster
with AI coding agents.

Ohm Lab Studio gives coding agents the tools, robot context and
feedback needed to program, test and commission robot tasks.

Robotics capability & pilot support

Southampton, UK · September 2026

Programming and integrating robots is **expensive**.

50–70%

of a robot application's cost can be programming and integration.

International Federation of Robotics

EVERY CHANGE ADDS ENGINEERING

New robot

New camera

New fixture

New part

New site

Means new programming, calibration, testing and debugging.

Ohm Lab Studio is built to reduce that engineering.

AI-assisted engineering for **existing robot stacks**.



Program & Simulate

The agent writes and simulates the task using a measured robot profile and existing robot software.



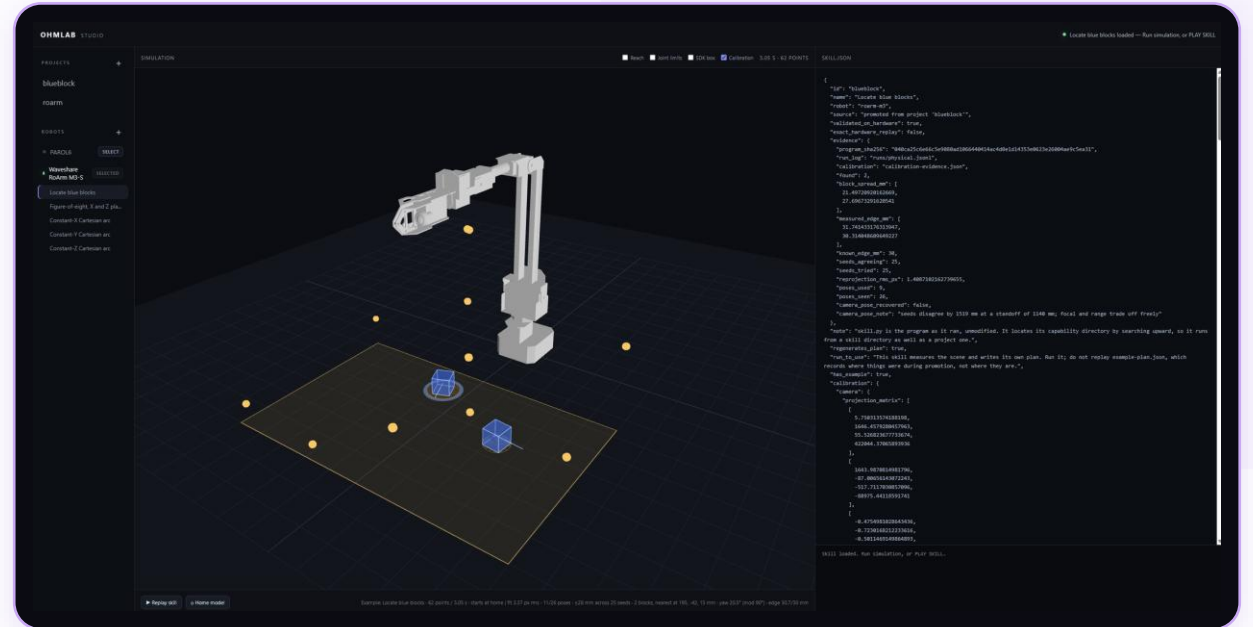
Test & Iterate

Studio runs controlled trials, captures telemetry and validates each attempt.



Deploy

Accepted code runs deterministically without the agent. Useful context and test evidence are retained.



The finished robot program runs without the AI agent.

Ohm Lab Studio integrates with the existing robot stack **rather than replacing it**.

Existing robot safety systems remain authoritative

Bench validation: Ohm Lab Studio vs. coding agent + vendor SDK.

Fresh agent per condition. Same model and robot. No human intervention.

TOOLPATH 1

WITH OHM LAB STUDIO	AGENT + VENDOR SDK
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30.5	83
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minutes	minutes
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✓ SUCCESS	✗ FAILED
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TOOLPATH 2

WITH OHM LAB STUDIO	AGENT + VENDOR SDK
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3	19
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attempts	attempts
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✓ SUCCESS	✗ FAILED
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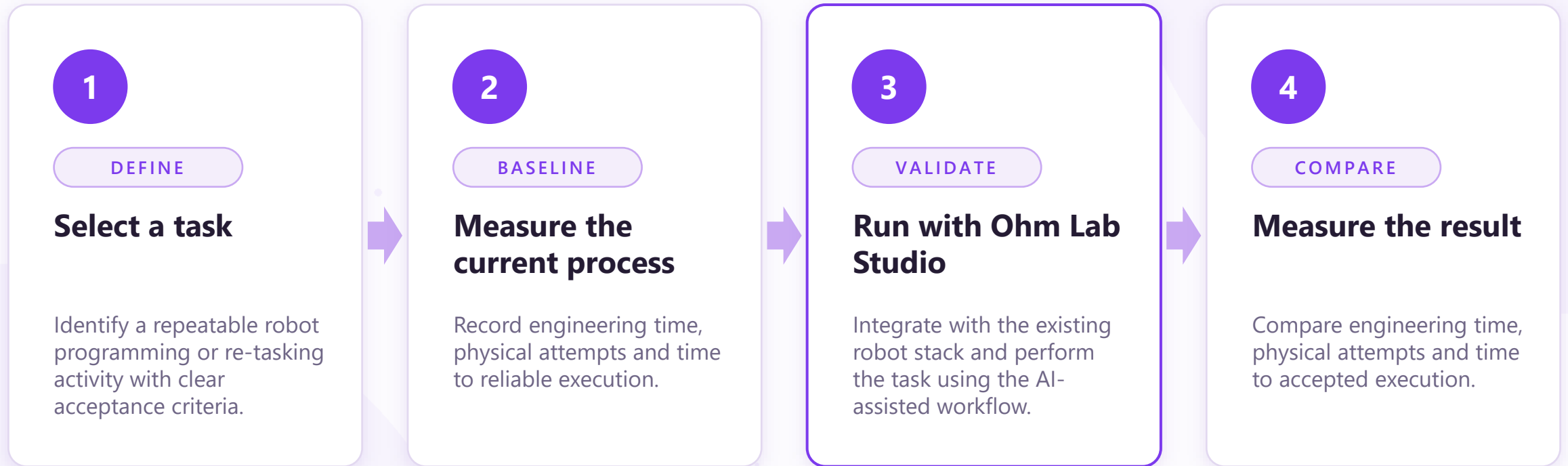
REUSABLE ROBOT CONTEXT

A fresh agent completed an unseen task in one physical run using findings retained from previous commissioning work.

Bench feasibility demonstrated. Industrial validation is the next stage.

Waveshare RoArm-M3-S · One run per condition · Run records available

From bench feasibility to **industrial validation**.



Seeking a **manufacturer or integrator** with a repeatable robot task and an existing engineering baseline.

Where Ohm Lab Studio can be **evaluated**.

ROBOT RE-TASKING

New parts, fixtures, paths or production requirements.

PICK & PLACE

Material-handling tasks with measurable acceptance criteria.

TOOLPATHS

Repeatable path generation, execution and validation.

MACHINE VISION

Robot tasks where perception affects control or positioning.

EXISTING CELLS

Applications where programming or recommissioning repeatedly consumes engineering time.

WHAT WE NEED FROM A PARTNER

Robot or cell access

Existing robot software / SDK

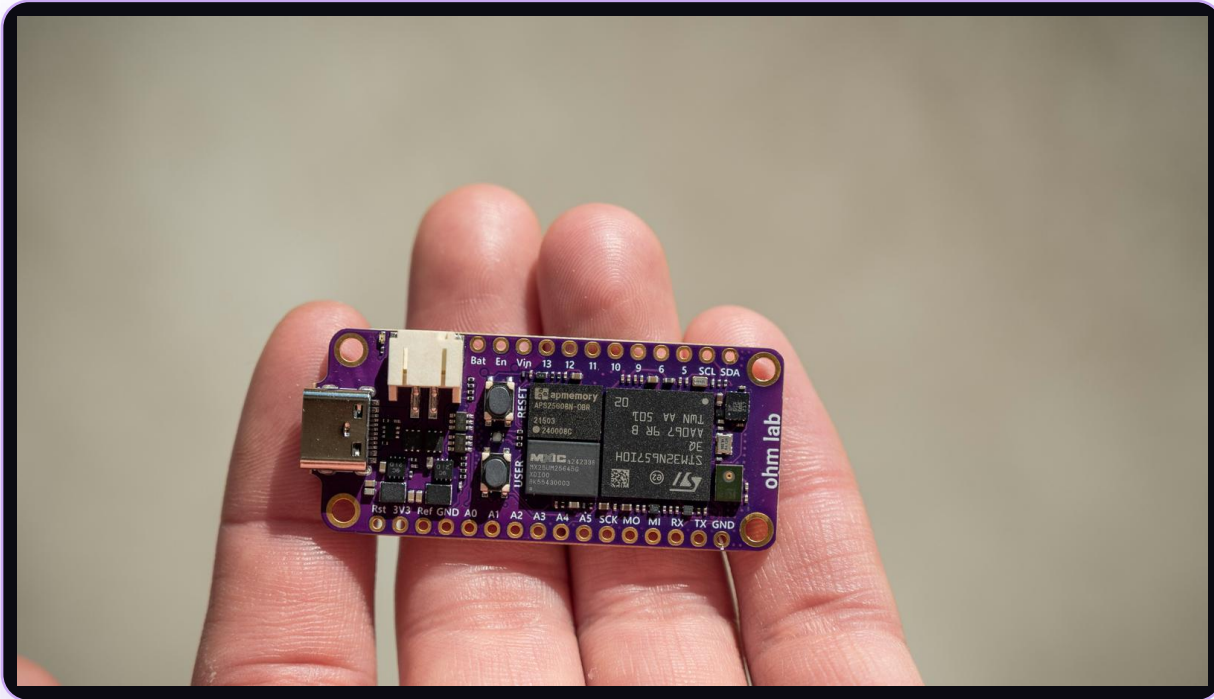
A bounded, repeatable task

Defined acceptance criteria

Current engineering baseline

The objective is **measurable engineering-time reduction**, without replacing the existing automation stack.

Engineers who have shipped hardware before.



Neuro N6

Developed from first prototype through production preparation and EMC testing.

ROBOTICS PROJECT ENQUIRIES

info@ohmlab.co.uk · ohmlab.co.uk/physical-ai

ohm lab



Hamish Morley

Co-founder · Robotics & Hardware

Design engineer at Rolls-Royce for 4 years. Founded Kinisy: 300+ units sold across 18 countries.



Mukund Raghavan

Co-founder · Software & Commercial

MEng Engineering Design. Experience at Dynisma motion simulators. Co-founded Medaris: patent-pending medical device.