CONCEPT SIMULATION

NeuNexus

Robot-Assisted Battery Cabinet Assembly & Inspection

A visual concept showing each step of a possible future physical workflow.

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Robot configuration subject to technical evaluation

Begin with one controlled component-handling task

Organized input

Known components, trays and work order.

Controlled grasp

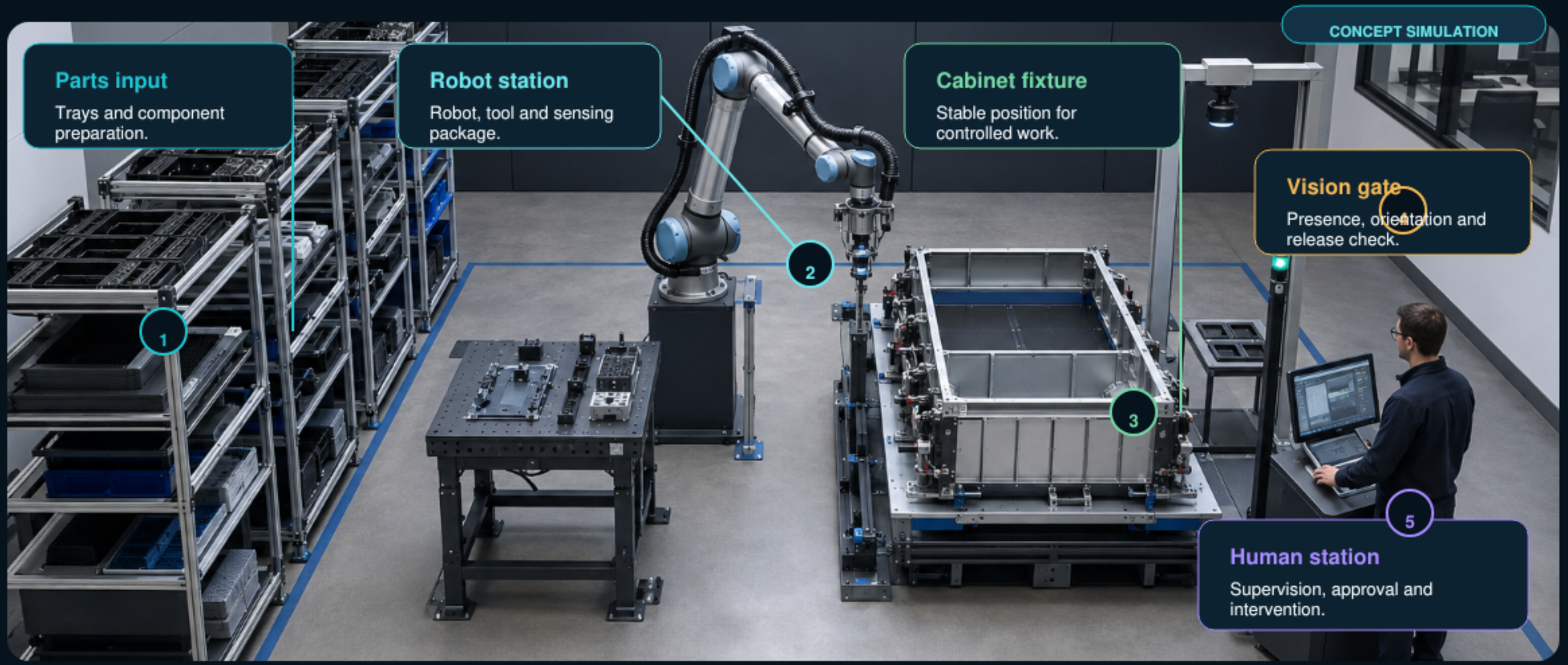
Approved component and grasp point.

Human oversight

Technician supervises the first cycle.

Scope: non-energized components only. Electrical connection and final release remain human tasks.

The complete pilot cell is visible in one scene



Five visible steps lead to human approval

1 **Pick**
Correct module

2 **Transfer**
Controlled motion

3 **Place**
Defined cabinet slot

4 **Verify**
Vision and serial check

5 **Release**
Human approval

Human control remains visible at every critical point

Safety architecture and conformity pathway remain open technical workstreams

Real demonstrations can become robot training data

Operator demonstration
Real movement and task sequence.

Task recording
Cameras and sensors record the movement.

Robot learning
The first skill uses controlled examples.

Physical testing
Repeatability and exceptions are tested.

After successful testing, a future pilot pathway can be evaluated.

Quality evidence determines whether the pilot is ready

Placement quality
Correct position, orientation and seating.

Traceability
Serial identity and result recorded together.

Pass / exception state
Clear release, stop or rework decision.

Repeatability
Same result across agreed test cycles.

Baseline, thresholds, sample size and pass/fail criteria must be agreed before training.

A future pilot needs clear responsibilities

1 Robotics specialist
Robot, training and testing

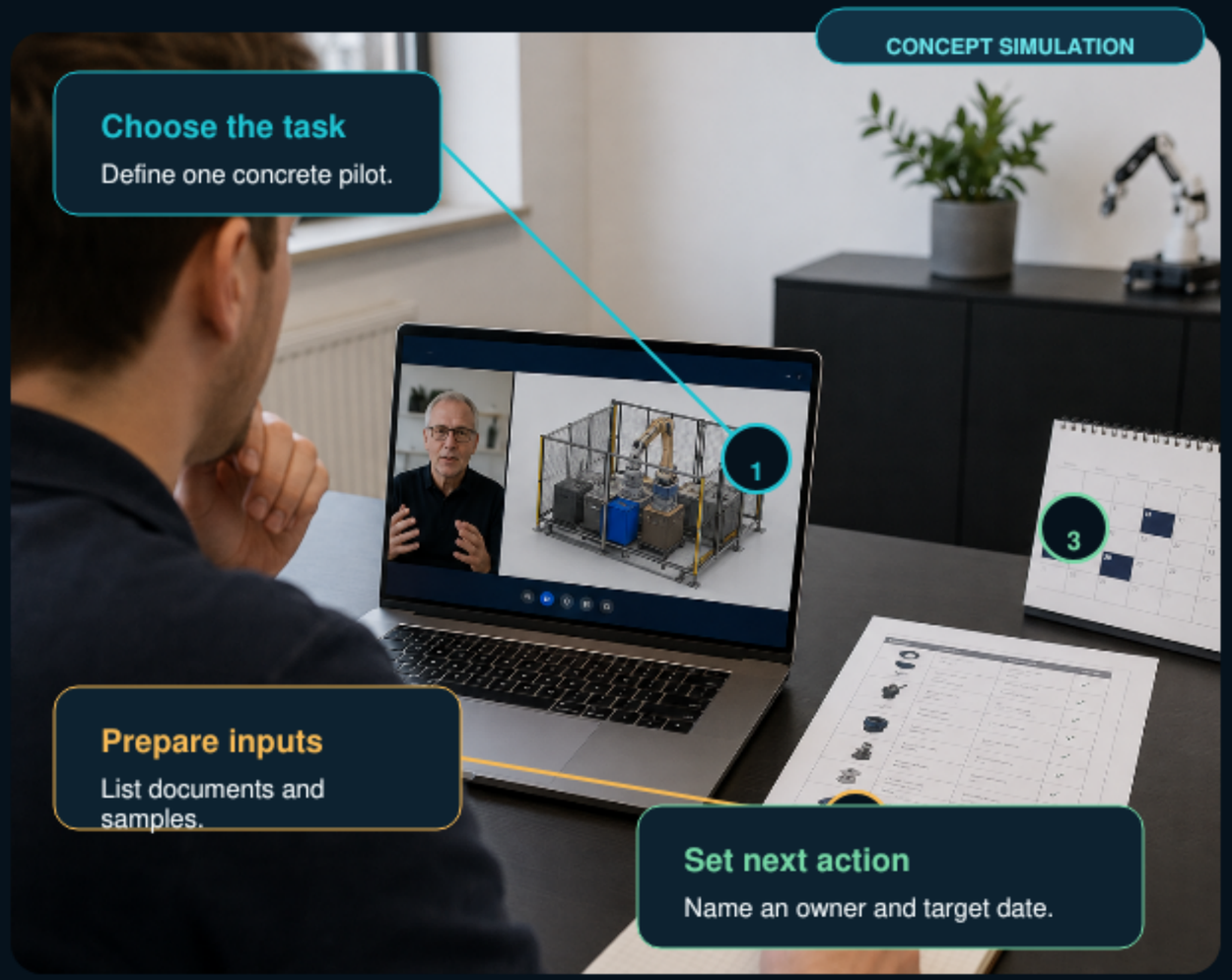
2 NeuNexus
Use case and pilot coordination

3 OEM / NEUGREEN
Product, parts and assembly knowledge

4 Software support
Data, dashboard and traceability

Proposed roles only - no confirmed partnership or contract is implied

The concept should lead to one clear next step



FOUR DECISIONS

1. **Use-case fit for a controlled robotics evaluation**
2. Robot configuration to evaluate first
3. Required product data, samples and demonstrations
4. First technical and commercial step

Desired outcome: a clear feasibility next step, not a broad partnership announcement.