

DAFO.AI

Computer Vision Solutions
For Smart Manufacturing

Operator Training and Guidance Suite

Automated Training

Automated Assembly Guidance and Validation

Quality Assurance & Quality Control

Tracking and Traceability



Use Cases of Traditional Computer Vision



Predictive Maintenance



Safety

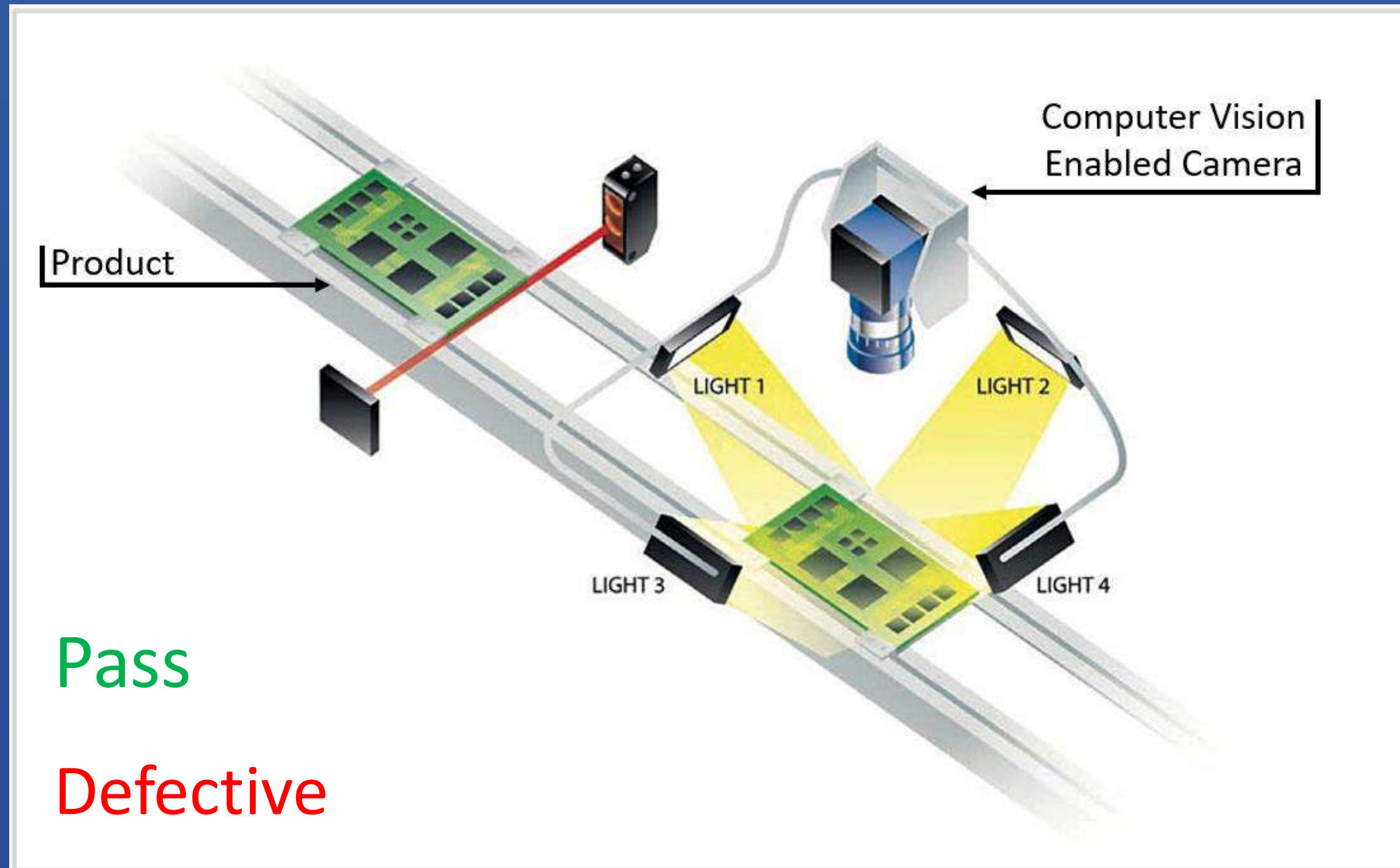


Quality Control



Barcode and labelling

Use Cases of Traditional Computer Vision



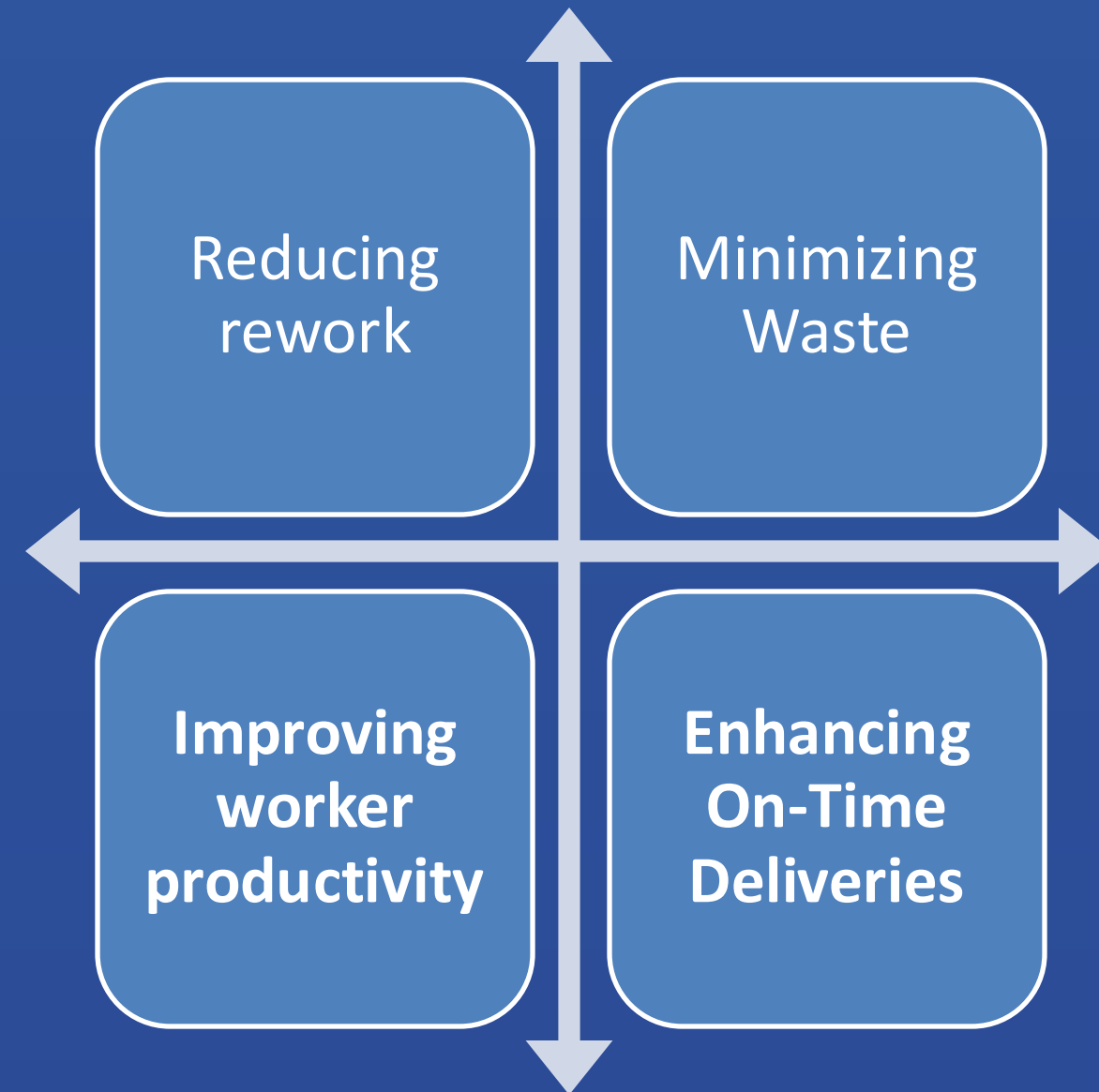
— Traditional Applications of Computer Vision in Industry: Key Focus Areas

Quality Control
Defect Detection
Counting

The systems are Reactive, Not Preventive

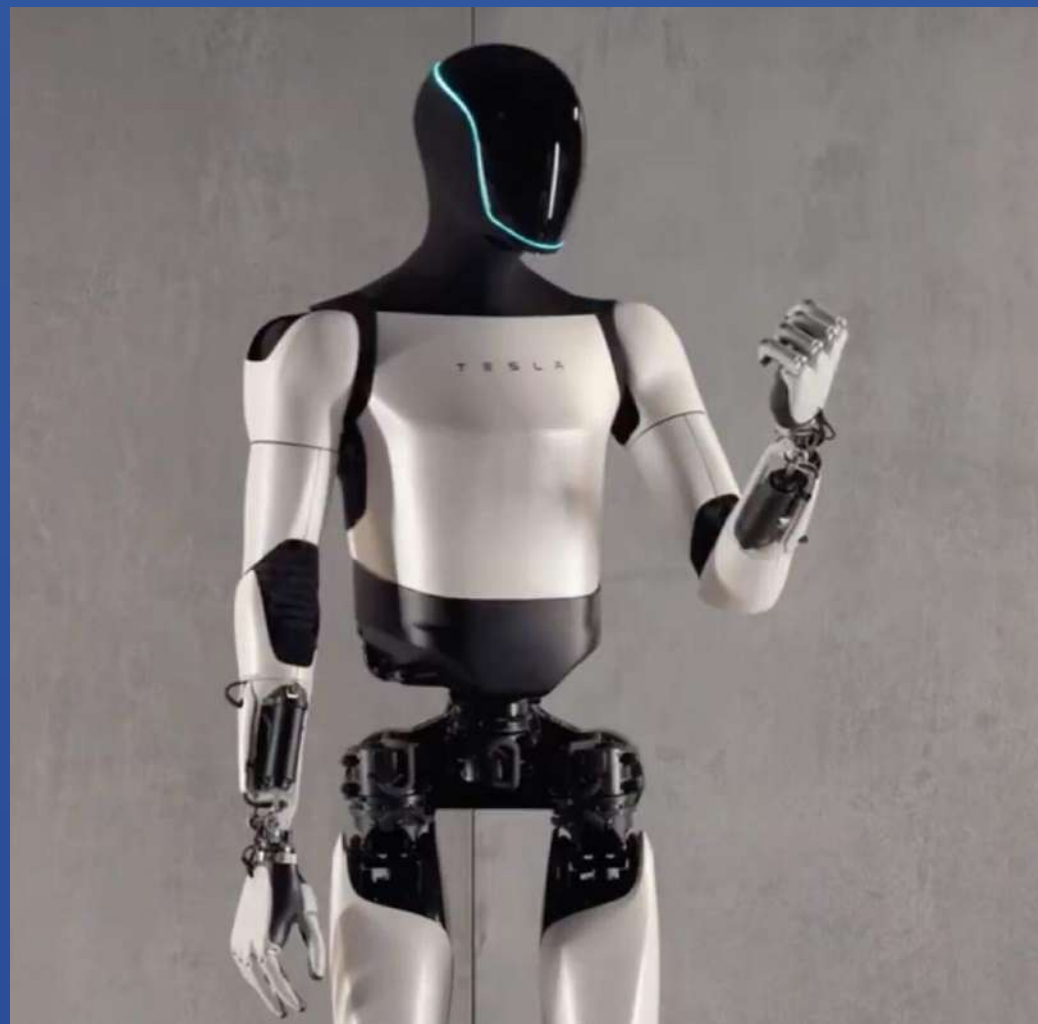
— New Frontiers in Industrial Applications of Computer Vision Systems

Aligning with Six Sigma Goals

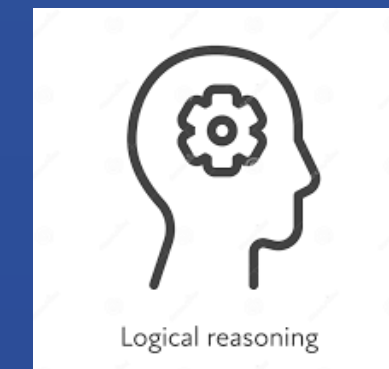
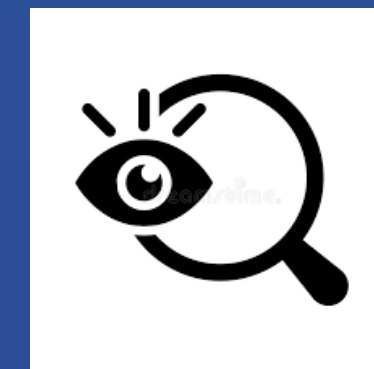
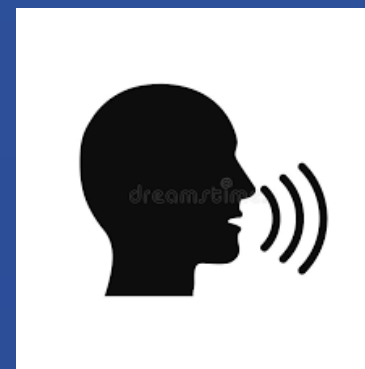
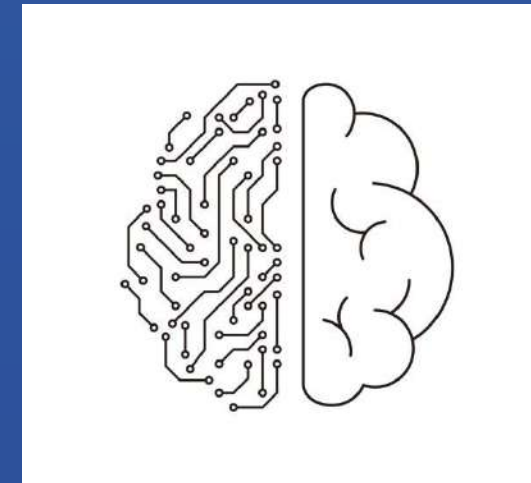


— New Frontiers in Industrial Applications of Computer Vision Systems

How? Multi-modal AI System – Generative AI

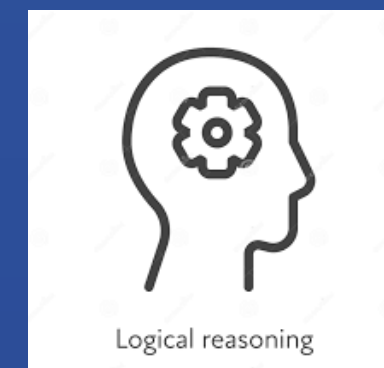
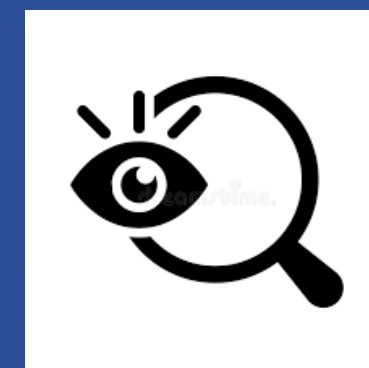
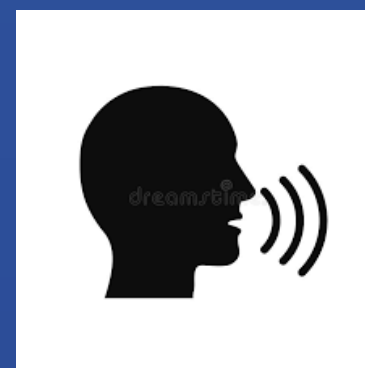
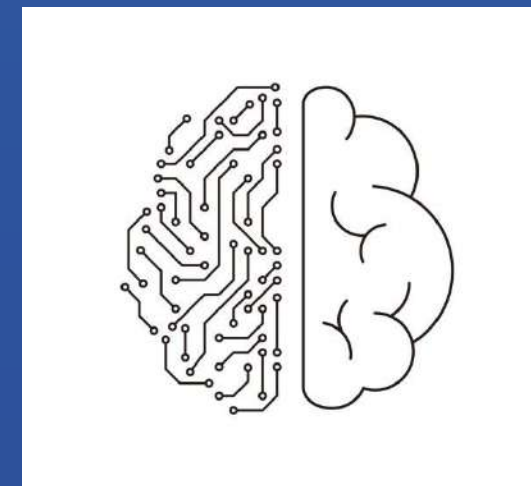
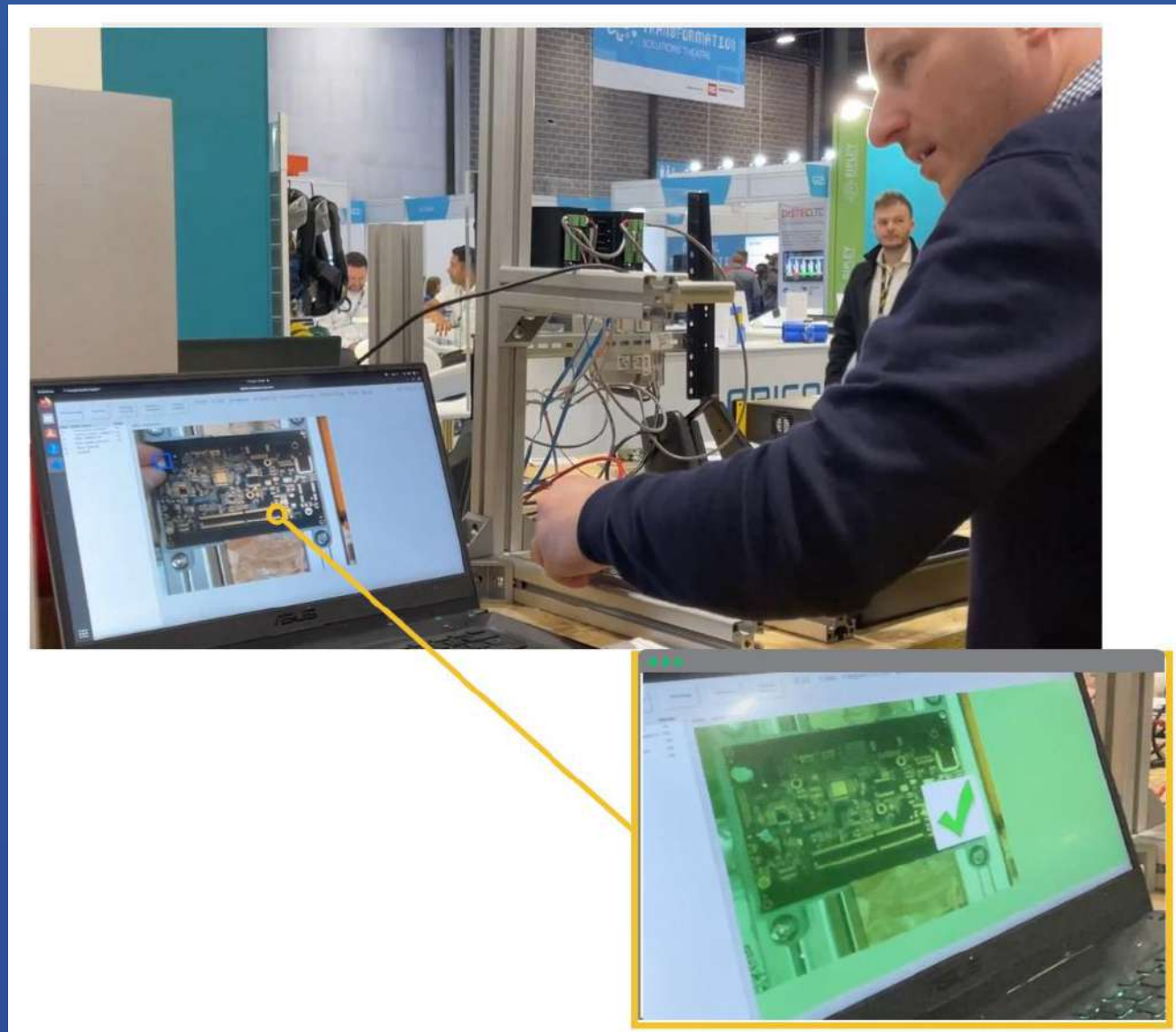


Not necessarily robots in the traditional way we know



— New Frontiers in Industrial Applications of Computer Vision Systems

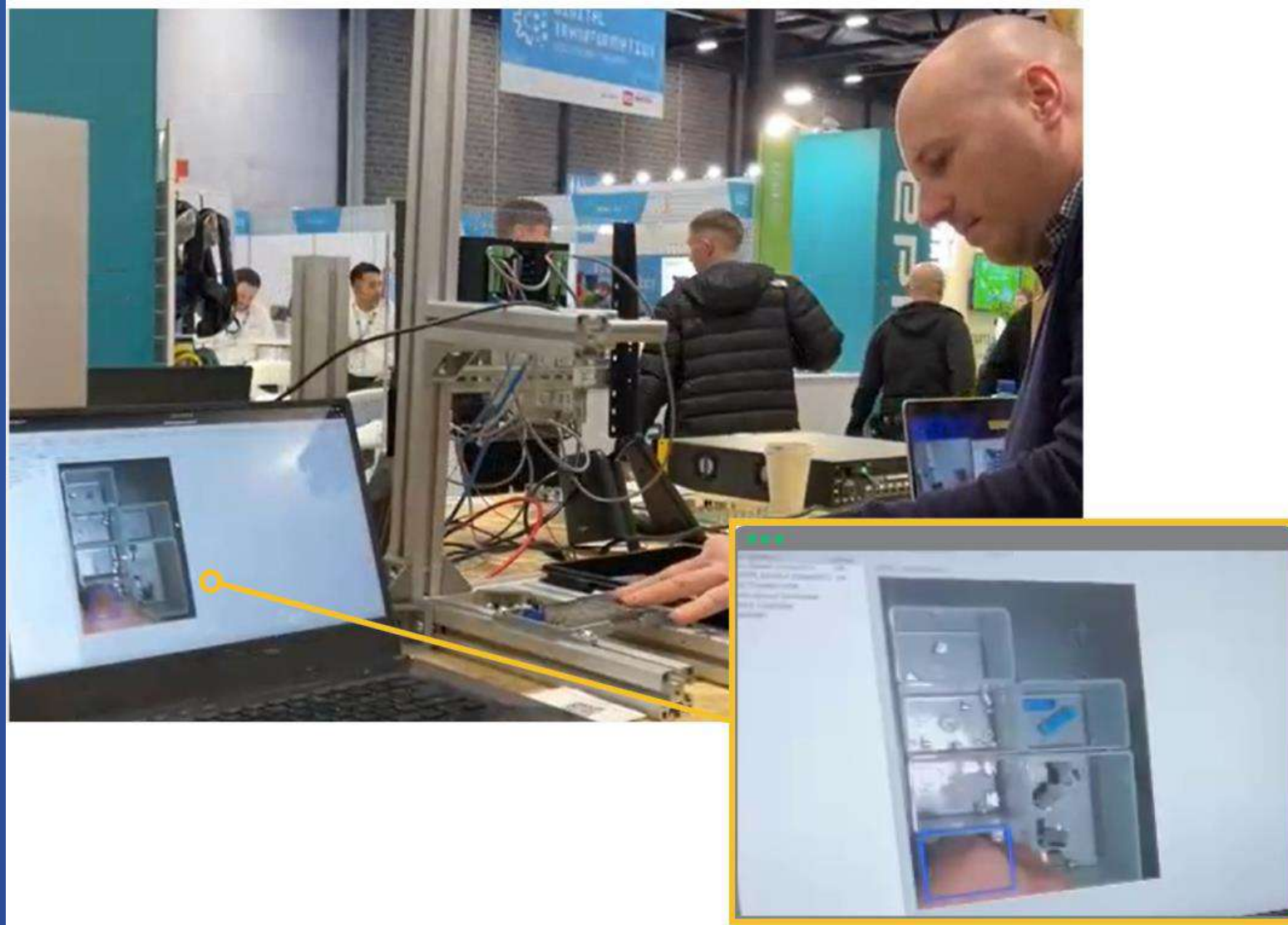
How? Multi-modal AI System



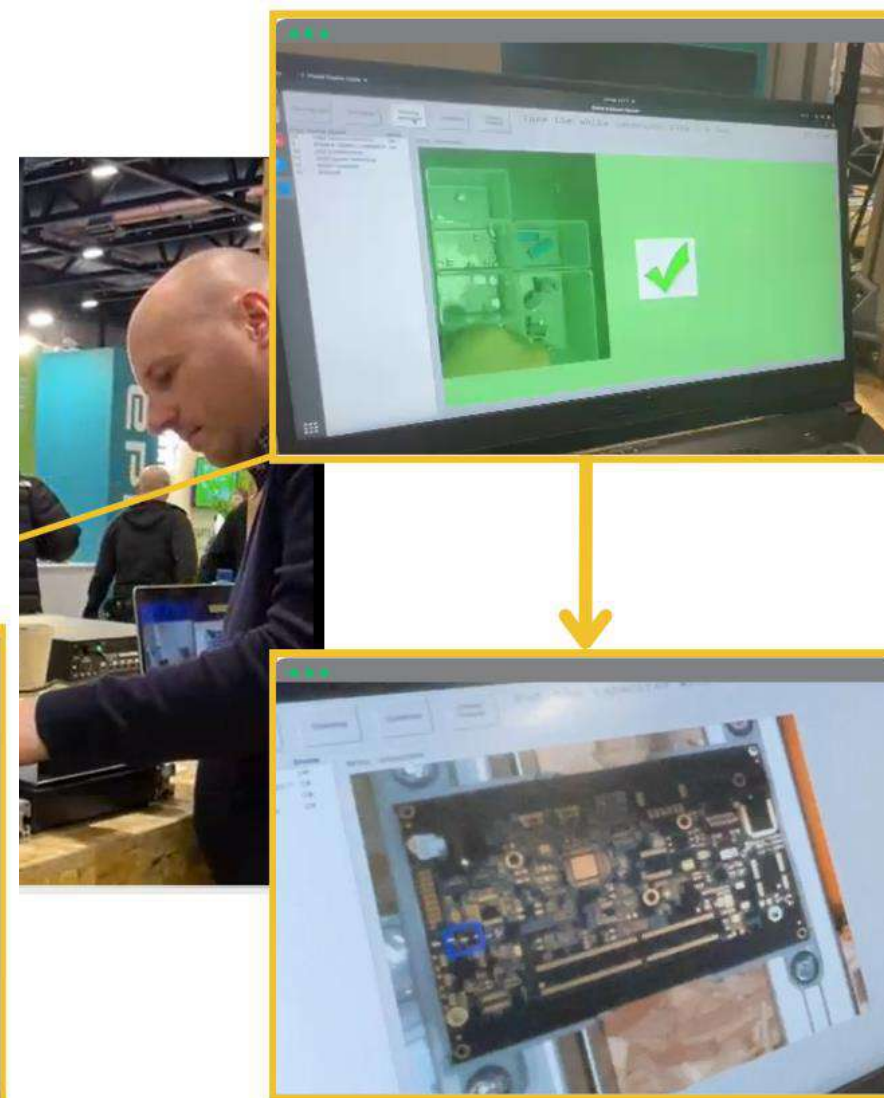
The key: empowering people using AI

— Operators Training and Guidance for SMEs

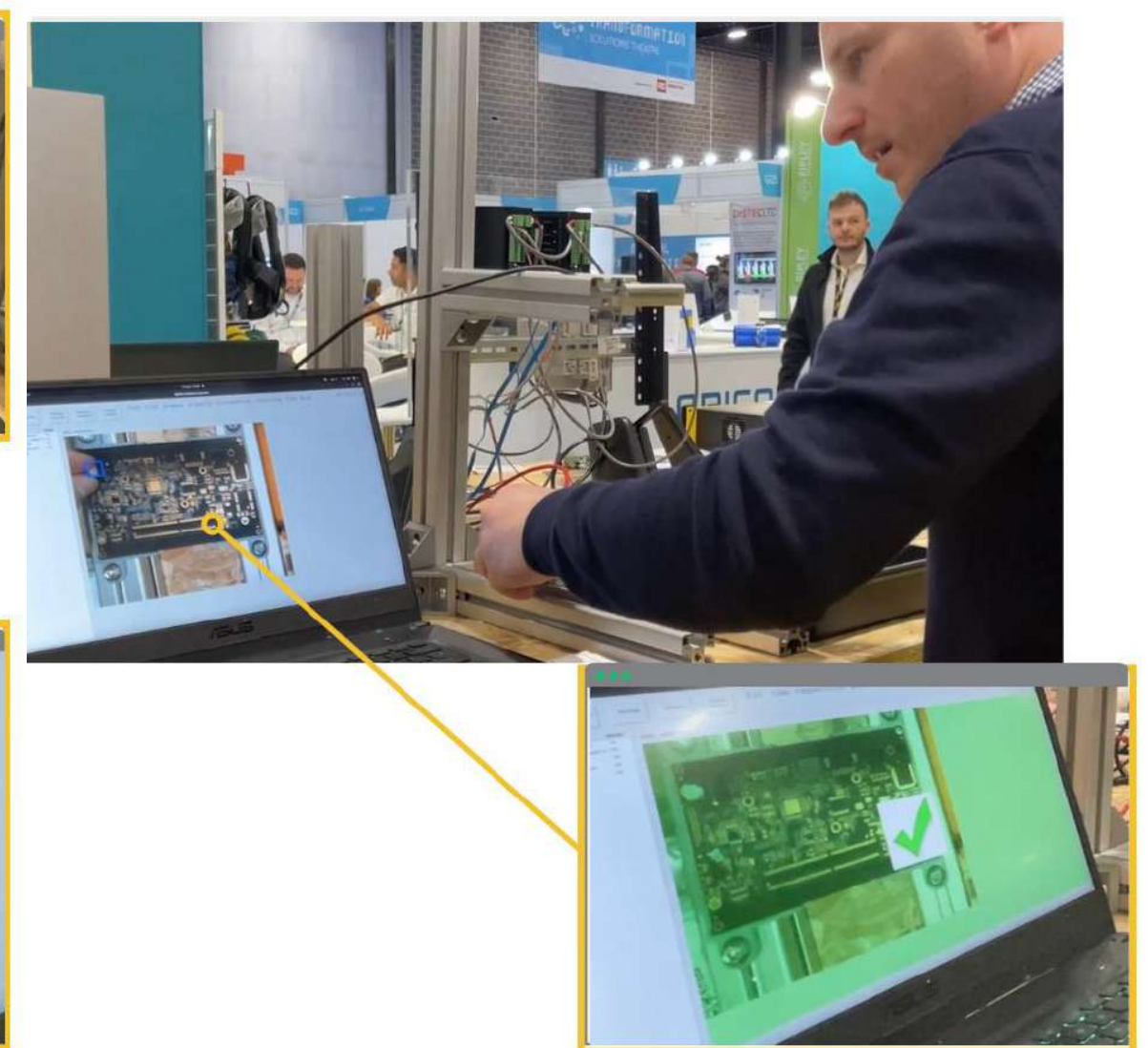
Instructions and Pick



Part Validation



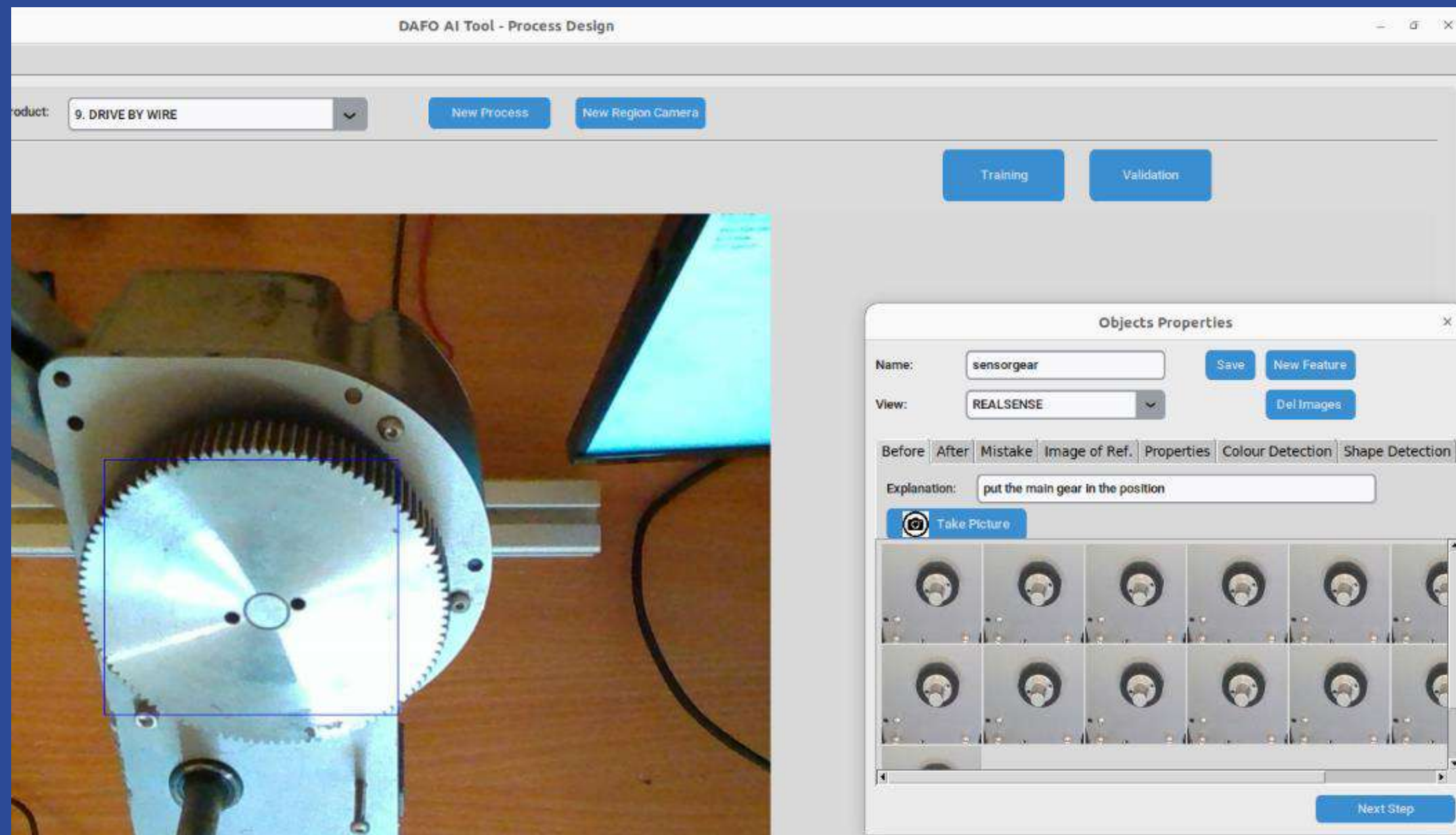
Place and Validation



How to prepare the system to work

Teaching the system like a human

-Deep Learning Tool for AI Model building



Explain to the system how the product looks in each assembly step:

- Previous to being assembled
- When was Correctly assembled
- When was Incorrectly assembled

Record the video

Provide the documentation

Write the explanation

- We are empowering people using AI to guide manufacturing excellence while enhancing workforce diversity ✓ through guided pathways



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For Smart Manufacturing



Thank you!

Questions?

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