

IFS 2026 Challenges

Challenge 1: Battery Traceability & Circularity
Challenge 2: Automated Warehouse Inspection (Vision AI)

Olympia Electronics S.A.

Innovation for Society Awards 2026



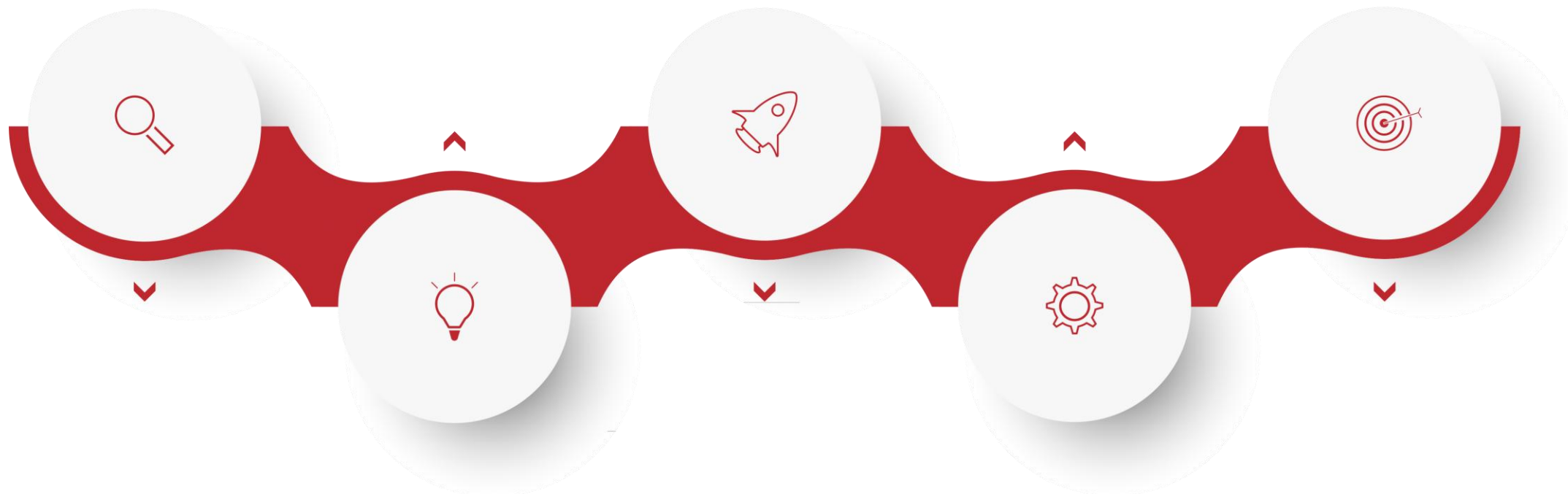
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SNAPSHOT

Leading European Player in Emergency Lighting



Olympia Electronics combines R&D-focused product development, strong emergency lighting and fire safety know-how, and an active ESG agenda. The next step is to connect products and operations with data-driven digital services.

Challenge 1: Battery Traceability & Circularity

Digital battery passport and lifecycle traceability platform

Core problem

Battery traceability is limited to basic production data, with no end-to-end visibility across use, maintenance, recycling and end-of-life.

Why it matters

EU Battery Regulation alignment
ESG and circular economy reporting
Transparency across the value chain
Foundation for lifecycle services



Expected Results: Battery Traceability

From compliance obligation to data-driven value



Digital passport-ready data model
Production, maintenance, recycling and reuse records
Stakeholder access and value-chain transparency
New scalable digital services and revenue streams

Strategic importance

Supports the company's transition from pure hardware to connected, data-enabled services while strengthening ESG performance, ecosystem partnerships and global competitiveness.



thinkgreen

Challenge 2: Automated Warehouse Inspection (Vision AI)

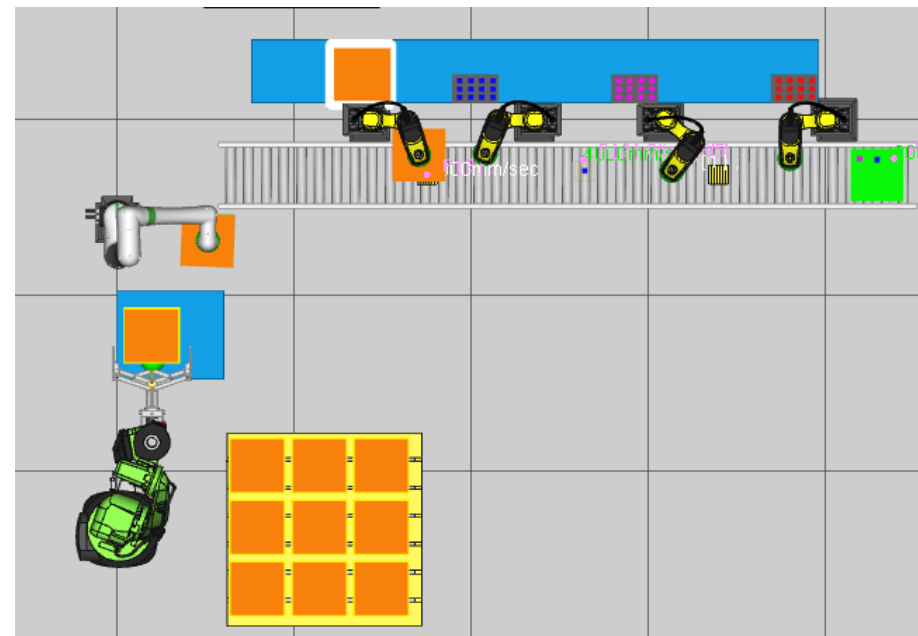
Automation of material receiving, inspection and verification

Current situation

Incoming materials are inspected, counted and matched to delivery documents mainly manually by warehouse personnel.

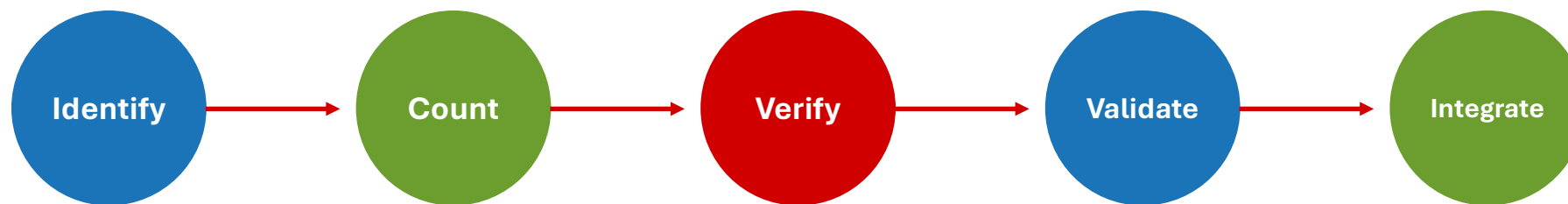
Pain points

- Human errors in counting and identification
- Delays in receiving and put-away
- Higher operational cost
- Limited real-time visibility and scalability



Expected Results: Vision AI Warehouse Inspection

Real-time validation and scalable automation



Computer vision and AI for material recognition and counting

Delivery validation against ERP/WMS data

Fewer errors and shorter receiving cycle time

Scalable deployment across warehouse environments

Strategic importance

Advances digitalized operations, improves supply-chain accuracy, reduces cost, and strengthens data-driven decision making across logistics.

Common Impact & SDG Alignment

Two challenges, one digital transformation direction

Battery Traceability & Circularity

Responsible consumption and production
Climate action through circularity
Partnerships across the battery ecosystem
Industry innovation and infrastructure

Warehouse Inspection (Vision AI)

Decent work and economic growth
Industry innovation and infrastructure
Responsible resource management
Scalable operational excellence

SDG 8

SDG 9

SDG 11

SDG 12

SDG 13

SDG 17

Partner Opportunity

Solutions that move from pilot to production

We are looking for partners that can deliver practical, scalable and integrable solutions for industrial environments.

Pilot-ready technology

ERP / WMS / platform integration

Measurable impact

Clear data architecture
Industrial deployment know-how
Cybersecurity and compliance by design

Reduced errors
Reduced cycle time
Better reporting and decisions

