

trinity

ROBOCUT



This SME demonstration of TRINITY project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 825196

ROBOCUT Introduction

- Brief partner intro
- Description of use case
- Conclusions
- Links and additional material

Balt led

IMPLEMENTER



industrial[®]
robotics

PARTNER



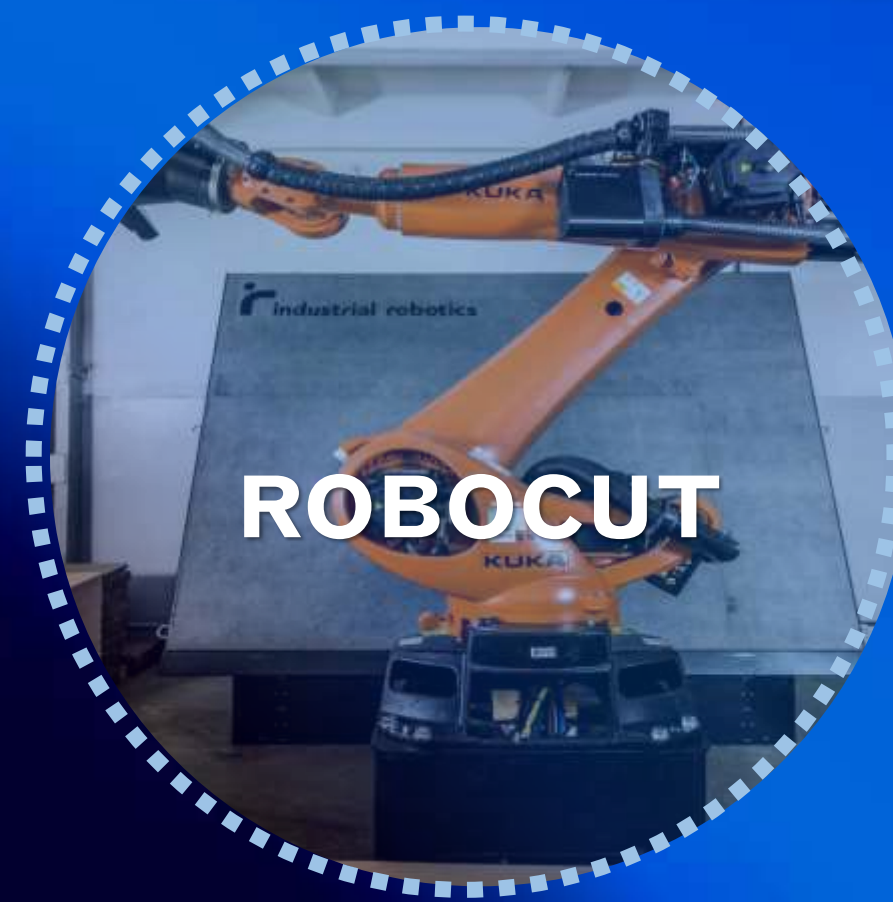
STOGGER[®]
GROUP

PARTNER

Brief partner intro

Demonstration partners

IMPLEMENTER



**HARDWARE
ENGINEER**

Robotic hardware
(Robocut prototype)

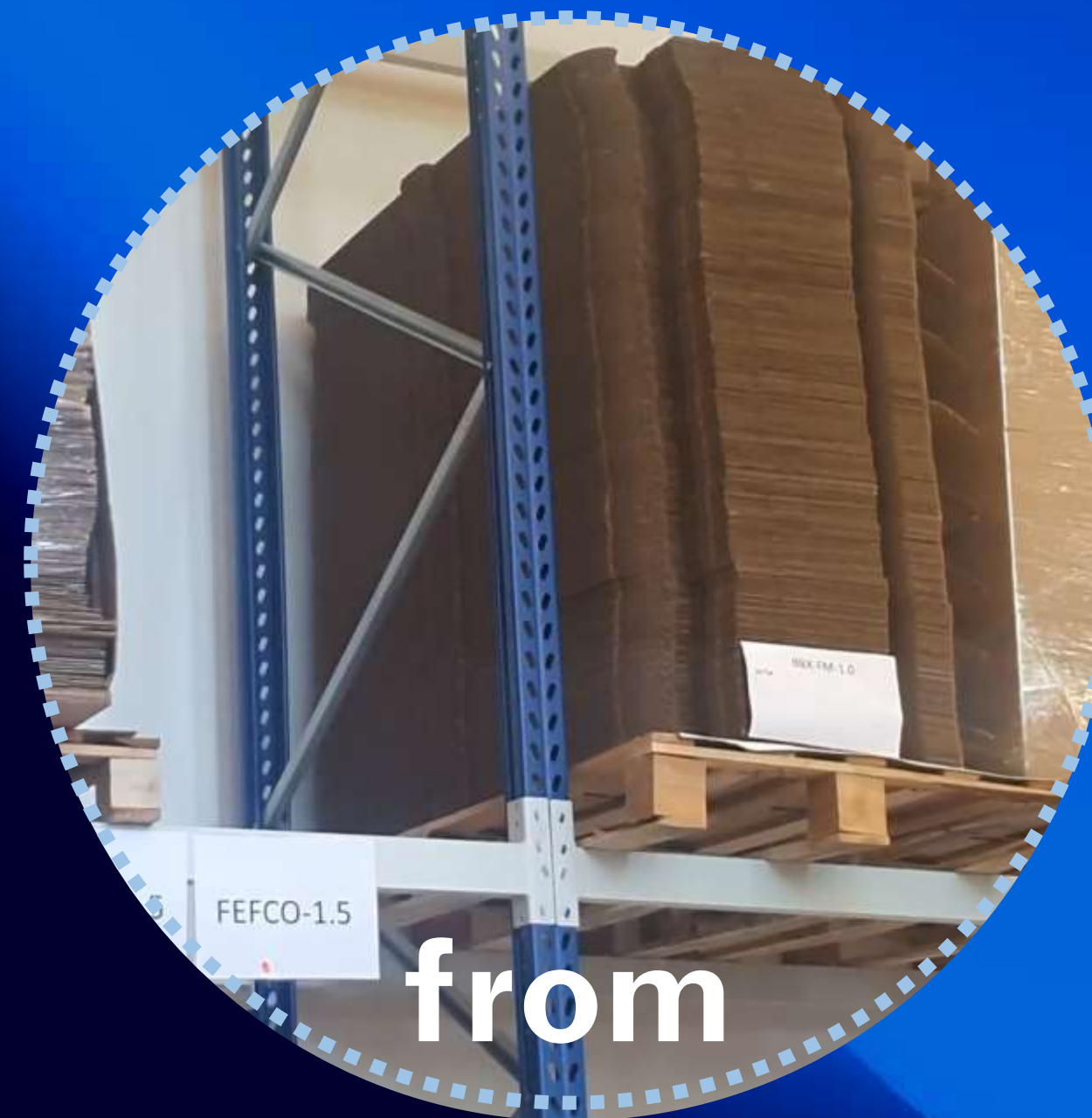


**SOFTWARE
ENGINEER**

Software for the robotic
arm kinematics integrated
with the Odoo ERP system

The purpose of **TRINITY Robocut**

Is to improve
production efficiency
through robotization of
packaging processes



from



to

Robocut demonstration project tasks

The main objective – to demonstrate and integrate a solution that automates the production of industrial cardboard packaging of different sizes, shapes and materials



developed and programmed a robot that produces custom cardboard packaging



the robot is used and employed in production

**What
achieved?**

ROBOCUT Demonstration results

**ABILITY TO
HANDLE SMALL
PRODUCTION
BATCHES WITH
THE OPTIMIZED
PACKAGING**

**REDUCTION OF
WAITING TIME
FOR THE
PACKAGING**

**REDUCED
WASTE AND
STORAGE OF
PACKAGING
MATERIALS**

**REDUCED MANUAL
WORK NEEDED FOR
IN-HOUSE
PACKAGING
PRODUCTION**

**GAINED
INDEPENDENCY
FROM
PACKAGING
SUPPLIER**

Robocut Demonstration results

Robocut KPI	Target	Results
Reduce the time spent on packaging preparation for production	30%	28% (93%)
Reduce packaging costs	20%	17% (85%)
Reduce the required space for the packaging processes	25%	30% (120%)
Completely eliminate the dependence on the packaging suppliers	100%	100%

Results achieved by integrating Robocut into production processes

Contribution to agile manufacturing

ROBOCUT increases effectiveness and efficiency of the whole production process, as well as boost the productivity of the whole company and reduce waste

- No packaging supplier
 - No packaging costs
 - No expensive, not flexible packaging machines
- Becoming more competitive globally and against the other manufacturers

Ability to make custom packaging in-site reduces the lead time and extends the ability to engage in agile production which positively impacts overall customer experience and business results.

Application Scenarios

Boxes for:

- Furniture
- Electrical appliances
- Food
- Gifts
- Cosmetics
- Many more...



TRINITY supports

- The possibility of receiving financial support to implement robotic solutions that will improve company's competitiveness
- Easier access to new audiences thanks to Trinit's communication
- Invitations to industry-related open calls and other events
- Learning new approaches to the latest robotic solutions

More info



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For more info on
Robocut please see
TRINITY catalogue



trinity



www.trinityrobotics.eu



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