

COLLABORATIVE MOBILE COBOTS



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VOJEXT

"Flexible Integration of hum an-robot collaboration in electronic and battery production" webinar

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09/10/2023

What is VOJEXT?





VOJEX-EU H2020 funded project looking for Value Of Joint Experimentation in digital Technologies for manufacturing and construction sectors.

VOJEXT aim s at producing a set of **mobile robotic systems** aim ing to enable **new ways of automation** (sem i- or fully-automatic tasks) in a CPS and human-robot collaborative environment for:



Coping with the demand for flexible means of production



Supporting flexible configuration and repurposing and scalability in functions)

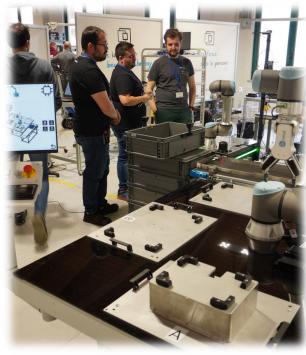


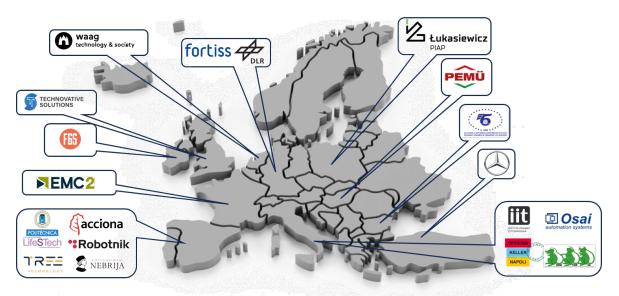
Enabling a favourable business and technological framework for cognitive autonomous systems











How we are reaching our objective?

• 19 EU partners / 11 EU countries

Validating the VOJEXT technology



5 USE CASES / 5 INDUSTRY DOMAINS / 4 COUNTRIES



Viscoelastic Polyurethane Pillow Handling

The robotized handling processes and automation of the online quality process will contribute to the reduction of hum an error in the process

> **PLASTICS** (HUNGARY)





Electronics and fragile components

Im provement of the current concept of robotic assembly applied to electronics and COVID related production

> **ELECTRONICS** (ITALY)









Automotive Smart Manu facturin g

Im provement and fe a sib ility of robotic hardware, integration of AI based software and efficiency im provements







Crafts, culture and creativity

Support the work of the com munity of makers, crafters and creative professionals.

CRAFTS

(ITALY)



Building Construction (Wall Finishes)

Im proved efficiency in construction processes.

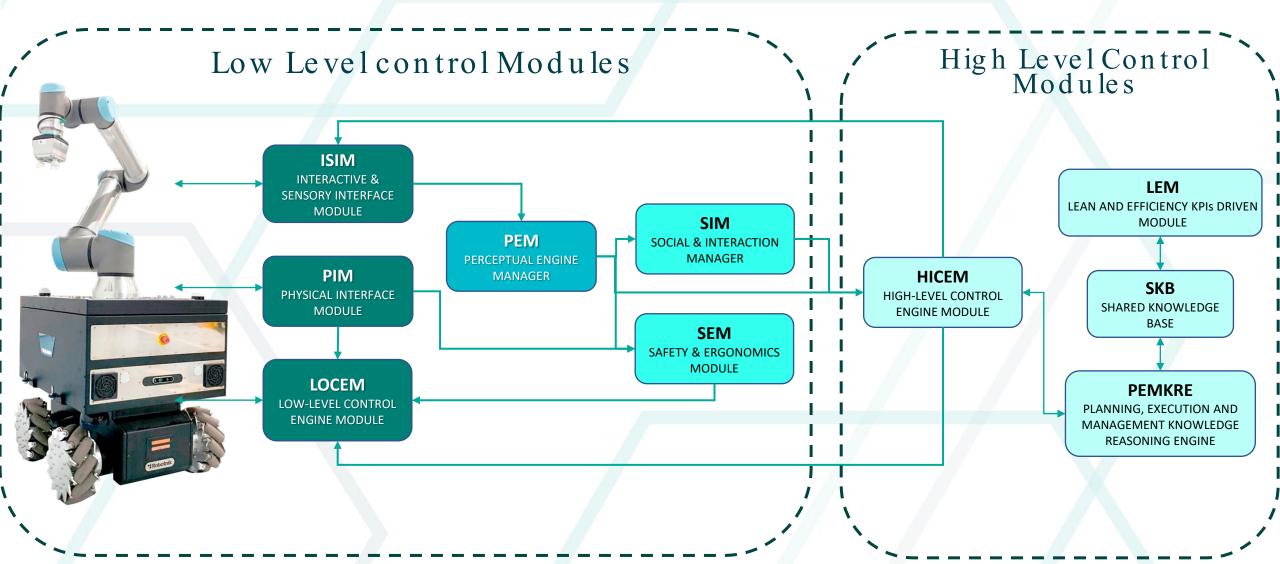
CONSTRUCTION (SPAIN)





VOJEXT System Architecture





09/10/2023 Name of the event

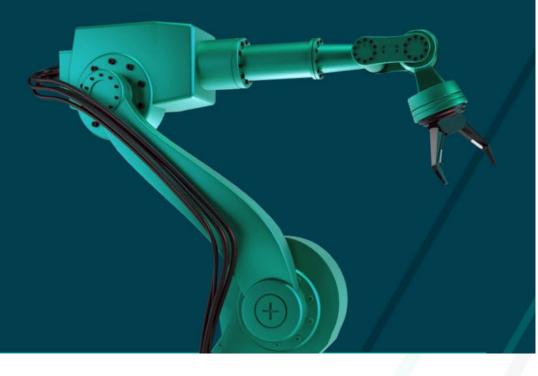
COLLABORATIVE

MOBILE

COBOTS

Value Of Joint Experimentation in digital Technologies for manufacturing and construction.

Thank you!



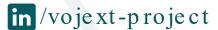
Stay tuned for upcoming sessions!

Next live demonstration 25 October 2023! In Hungary

Registration coming soon

For more information:

www.vojext.com





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