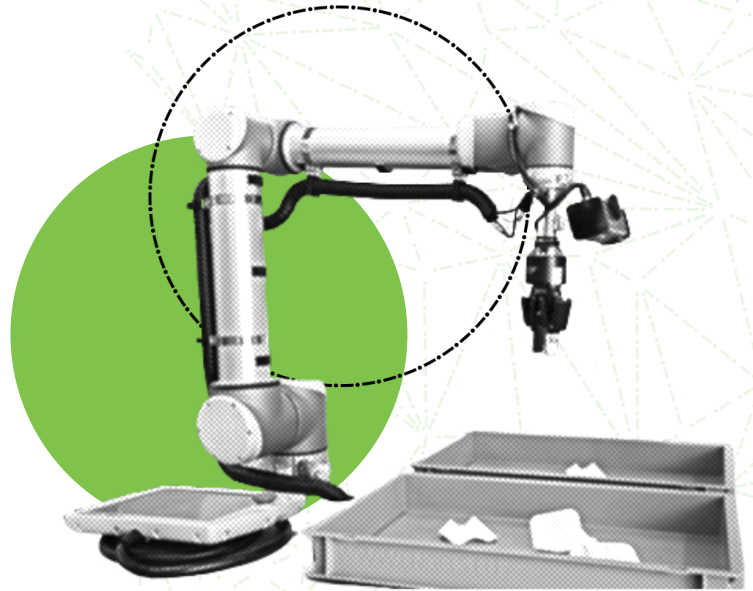


NAME

# Collaborative and Adaptable Mobile Manipulator



## CHALLENGE

Collaborative operations with humans / Increase process reliability/  
Ergonomics and safety

## SOLUTION

Autonomous mobile robotic systems equipped with collaborative manipulators easily adaptable to distinct tasks regarding internal logistics and assembly. The mentioned robotic systems are also equipped with sensors allowing for obstacle detection and object recognition. Integration with a *digital twin* representation of the factory's shop floor.

## APPLICATION

Aeronautical industry (EMBRAER): executing *kiting* operations inside a logistic warehouse, autonomously and in a collaborative fashion, alongside other human operators.

## TECHNOLOGIES



Business  
Intelligence &  
Decision Support  
Systems



Cyber Physical  
Systems (CPS) &  
Internet of  
Things (IoT)



Advanced  
Automation Control  
& Industrial Robotics

SCAN ME!



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