



Born to think



HuEvo

Human Evolution

by  IEMA



HuEvo

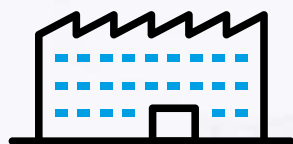
Human Evolution

HuEvo IT'S EVOLUTION.

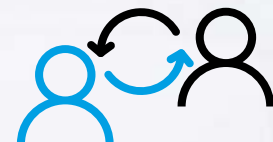
Design and implementation of electrical systems, turnkey collaborative robotic islands, software design, installation, testing, international certifications, and maintenance.



800 +
employees



70.000
m² of plants



250 mln
turnover



ABOUT US

WE ARE A NEXT-GENERATION INDUSTRIAL AUTOMATION FAMILY

HuEvo develops intelligent robotic applications combining automation, AI, and machine learning, delivering fully integrated, certified turnkey solutions ready for immediate deployment.

At the forefront of our R&D activities is our **Humanoid Development**: a proprietary project and a 100% Italian robot, based on advanced self-learning programming concepts. This represents our most advanced research platform, where new technologies and algorithms are developed.

These innovations are then transferred from our R&D lab to our entire product range, becoming the technological foundation of all our solutions. Each system is powered by an onboard industrial PC hosting proprietary algorithms, ensuring scalability and continuous evolution.

We believe in an innovation model that places humans at the centre, balancing advanced technology with conscious growth.

It's more than automation



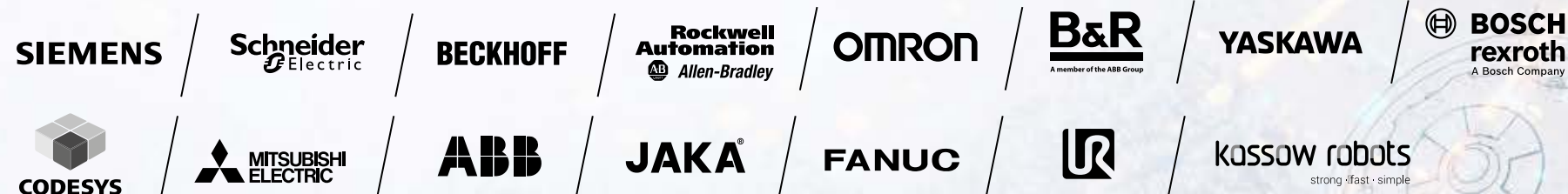
WHY HuEvo

Hu.Evo.
stands for Human Evolution.

- Advanced robotic solutions integrated with AI, ready-to-use and compliant with global standards
- Modular, flexible, and scalable systems
- Proprietary algorithms running on the onboard industrial PC
- High scalability, fast deployment, and seamless system expansion; easy integration with:
 - Vision systems
 - Conveyor/belt feeding systems
 - Customer IT infrastructure and MES
 - Logistic Fleet
- **Robot arms and HMI brands are not binding and can be freely selected to comply with customer specifications**

Modular System

- **Modular architecture for future upgrades and customization:**
 - Operators can create and manage new recipes independently
 - No need for supplier intervention for routine changes
- **Connectivity & Support**
 - Built-in remote assistance for real-time support
 - Full lifecycle support: pre-sales, commissioning, after-sales
- **Reliable, high-performance solutions**
 - Reduced integration time and operational costs



Cobot Palletizer

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Technical Specification

Details

Arm Model	Omron, Schneider Electric, Universal Robots, Abb, Jaka, Fanuc, Kassow Robots
Arm Payload	from 0,2 Kg to 25 Kg
Arm Extension	up to 1200 mm
Max Pallet Height	up to 2300 mm
Repeatability	±0.02 mm to ±0.1 mm
Accuracy	±0,5 – 2 mm
Degrees of Freedom	up to 7 axes
Cycle Time	6 - 12 cycles/min
Machine Interface	Control Panel on Board
End of Arm Tooling	Vacuum, Mechanical, Hybrid, Customized
Code Reader	Vision System, Barcode, Qrcode reader, RFid, BLE
Field Bus	Ethernet IP, Modbus TCP, OPC UA, ProfiNet
Safety	Light Curtain, Safety Scanner, Radar, Fence
Interlayer	Optional Left and Right
Pallet Size	Europe, United States, Customized
Power Supply	110Vac, 240Vac, 400Vac, 480Vac
Standard Compliance	CE, UL, CSA



Casepacker

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Technical Specification

Details

Arm Model	Omron, Schneider Electric, Universal Robot, Abb, Jaka, Fanuc, Kassow Robots
Arm Payload	From 0,2 Kg to 20 Kg
Repeatability	±0.02 mm to ±0.1 mm
Accuracy	±0,5 – 2 mm
Degrees of Freedom	6 axes, multiple cobots
Picking Cycle Time	8 - 20 cycles/min
Throughput	4 - 12+ cases/min
Machine Interface	Control Panel on Board
End of Arm Tooling	Vacuum, Mechanical, Hybrid, Customized
Code Reader	Vision System, Barcode, Qrcode, RFid, BLE
Field Bus	Ethernet IP, Modbus TCP, OPC UA, ProfiNet
Infeed	up to 350 mm x 220 mm x 200 mm(h)
Case Depot	up to 450 mm x 350 mm
IT Integration	Full integration with customer IT infrastructure, including secure communication with existing servers and enterprise systems
MES Connectivity	Native integration with Manufacturing Execution Systems (MES) for real-time production data exchange and workflow synchronization
Custom Integration	Tailored interface development based on customer-specific requirements and existing architecture
Power Supply	110Vac, 240Vac, 400Vac, 480Vac
Standard Compliance	CE, UL, CSA

Logistic fleet

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Technical Specification

Hardware

SLAM Navigator AMR

SLAM Navigator AMR

Automatic charging station

Manual charger

IT Integration

Fleet management system

Software

MES Connectivity

Custom Integration

Details

Reted Payload: 600Kg with lifting function
(including autonomous mobile robot control software sysyem V1.0)

Reted Payload: 100Kg with lifting function
(including autonomous mobile robot control software sysyem V1.0)

Optional

Included

Full integration with customer IT infrastructure, including secure communication with existing servers and enterprise systems

Included

Native integration with Manufacturing Execution Systems (MES) for real-time production data exchange and workflow synchronization

Tailored interface development based on customer-specific requirements and existing architecture

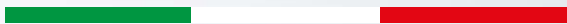


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