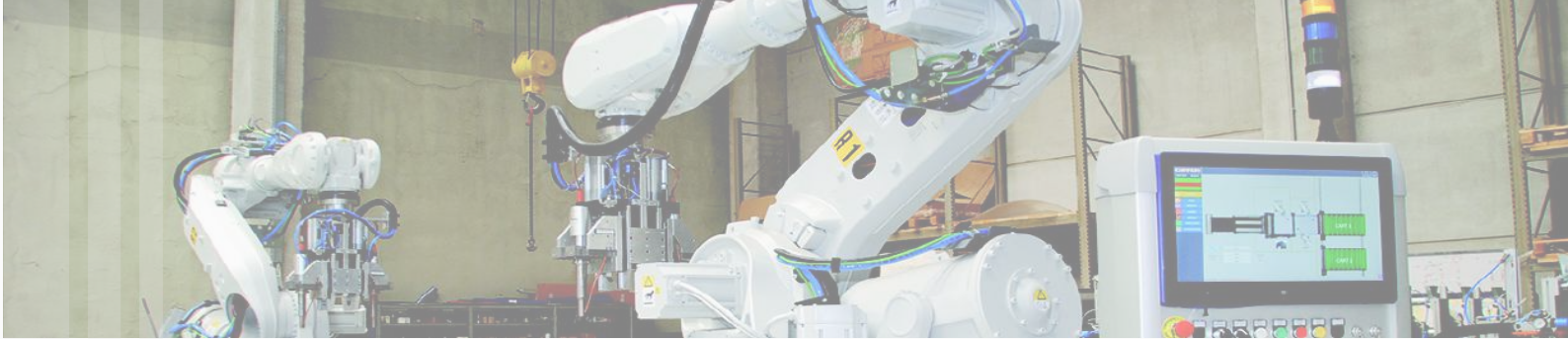


ROBOTIC CELLS

Taylor-made and turnkey project





MACHINE, LINE AND ROBOTIC CELLS

Cannon Automata specializes in the construction and supply of customized and turnkey machines, robotic cells, and automated lines, developed and manufactured according to the specific needs of each customer.

With over 40 years of experience, we provide cutting-edge technologies to increase and improve production capacity thanks to the development of integrated automation solutions and the latest generation management software.

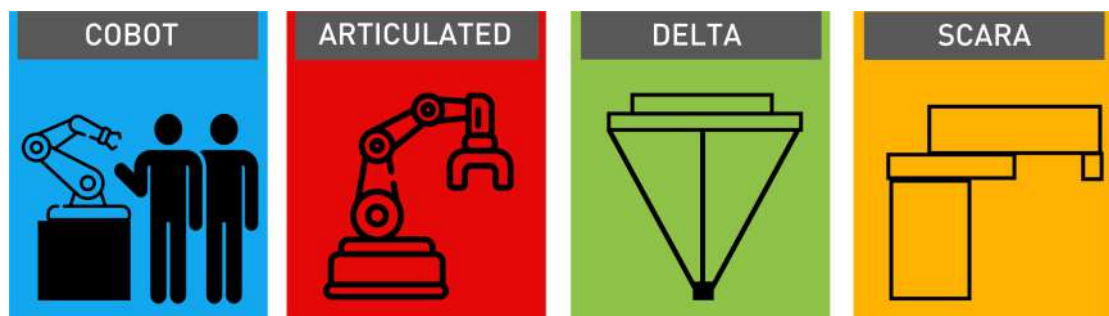
For the best results in terms of quality and satisfaction of requests, we follow a successful operational scheme from the feasibility analysis through to startup, with constant technical support.

CONSULTING

Starting from the analysis of the needs, we offer an ad hoc consultancy and feasibility service, supporting the customer in designing the required system.

All our solutions use multi-brand hardware components and systems. This provides a concrete advantage for the customer, as it can operate with all brands and technologies used and adapt the solution to their specific needs.

- FEASIBILITY STUDY
- SYSTEM ARCHITECTURE
- IDENTIFICATION OF ALTERNATIVE SOLUTIONS
- HARDWARE SELECTION (ROBOT, PLC, HMI, VISION SYSTEMS, SENSORS)
- SOFTWARE DEFINITION
- BUSINESS PROPOSAL



DESIGN

Solution design includes hardware and software engineering, supported with the development of relevant documents, from early stages up to as-built release.

Documents

- I/O'S LIST
- FUNCTIONAL SPECIFICATIONS
- CAUSE/EFFECTS CHARTS AND DIAGRAMS
- 3D DRAWINGS
- WIRING AND ASSEMBLY DRAWINGS

System Software

- PROCESS CONTROL
- PROCESS SAFETY
- HMI
- PRODUCTION MONITORING
- SUPERVISION DASHBOARD





VALIDATION AND START UP

Factory Acceptance

After internal testing is completed, customer validation takes place with the Factory Acceptance Test (FAT).

When requested, the Integration Factory Acceptance Test (IFAT) completes the validation phase before shipment.

- FAT (FACTORY ACCEPTANCE TEST)
- IFAT (INTEGRATION FACTORY ACCEPTANCE TEST)

Site Acceptance

After the system has been delivered to the customer, Cannon Automata can offer full support for site activities, right up to final acceptance.

- INSTALLATION
- PRE-COMMISSIONING
- SAT (SITE ACCEPTANCE TEST)
- ISAT (INTEGRATION SITE ACCEPTANCE TEST)

TRAINING AND AFTER SALE SUPPORT

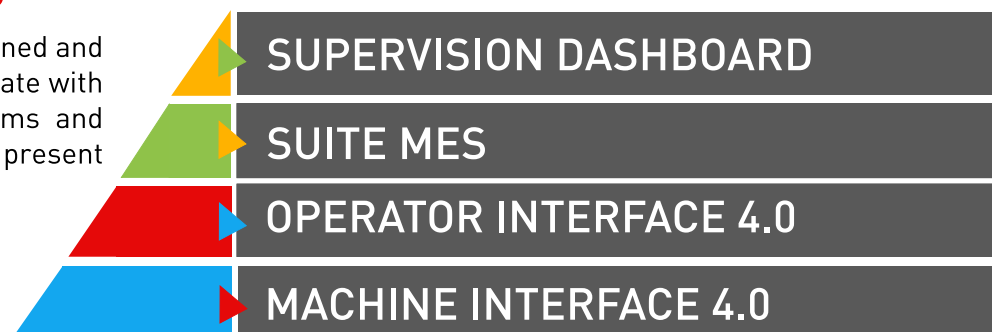
For each solution, we support our customers through dedicated training activities to make operators autonomous and able to manage the machines with simplicity.

We also provide the customer with complete after-sales support, including assistance, maintenance and software updates.

- SYSTEM OPERATORS TRAINING
- SPARE PARTS
- ON-SITE ASSISTANCE
- REMOTE ASSISTANCE
- SOFTWARE UPDATES
- MAINTENANCE
- RETROFITTING
- REVAMPING
- CERTIFICATION SUPPORT 4.0

INTEGRATION 4.0

All of our solutions are designed and developed to perfectly integrate with existing management systems and the existing machine park present within the plant.





INTEGRATION 4.0: THE REQUIREMENTS

Interconnect machinery according to 4.0 requirements?

Our solution complies with the legal requirements for Industry 4.0 certification.

- 1 ▶ Human machine interface
- 2 ▶ Control by CNC or PLC
- 3 ▶ Machine safety
- 4 ▶ Automated integration with other machines in the production cycle
- 5 ▶ Interconnection to the factory information system
- 6 ▶ Continuous monitoring of process parameters
- 7 ▶ Remote maintenance. tediagnosis and remote control systems

PRODUCTS
Components for industrial automation.

- ✓ PAC - PROGRAMMABLE AUTOMATION CONTROLLER
- ✓ I/O MODULES
- ✓ AUTOMATION SOFTWARE
- ✓ FIELDBUS & INDUSTRIAL ETHERNET
- ✓ HMI - HUMAN MACHINE INTERFACE
- ✓ DRIVES

APPLICATIONS
Hardware and software solutions for specific user applications.

- ✓ REMOTE MONITORING & ASSISTANCE
- ✓ ENVIRONMENTAL MONITORING
- ✓ PREVENTIVE MAINTENANCE
- ✓ MACHINE CONTROL & PRODUCTION
- ✓ MOTION & ROBOTICS
- ✓ ENERGY EFFICIENCY

ENGINEERING
Services for engineering projects.

35 years of experience in the automotive, energy, oil & gas and water treatment sectors enable Cannon Automata to present itself as complete and perfect partner for the development of industrial engineering and process projects. Systems are characterized by their high performance, thanks to an approach that is fully oriented to achieve tailored solutions to specific needs.

For the best results in terms of quality and customer satisfaction, Cannon-Automata follows an operative scheme



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