



ABB Robotics

Corporate Presentation

ENGINEERED
TO OUTFIT

A background image showing industrial robotic arms in a factory setting. One arm is in the foreground, and another is in the background. The ABB logo is visible on the equipment.

ABB Robotics



Employees ~11 k



**Global
market
position** No. 2

ABB Robotics enables companies to become more resilient, flexible and efficient through our value-added solutions in robotics as well as machine and factory automation.

With our integrated automation solutions, our application expertise across a wide scope of industries and our global presence, we deliver tangible customer value.

Our focus on innovation includes extensive work in artificial intelligence, as well as an ecosystem of digital partnerships and the expansion of our production and research capabilities.

ABB Robotics: a global player

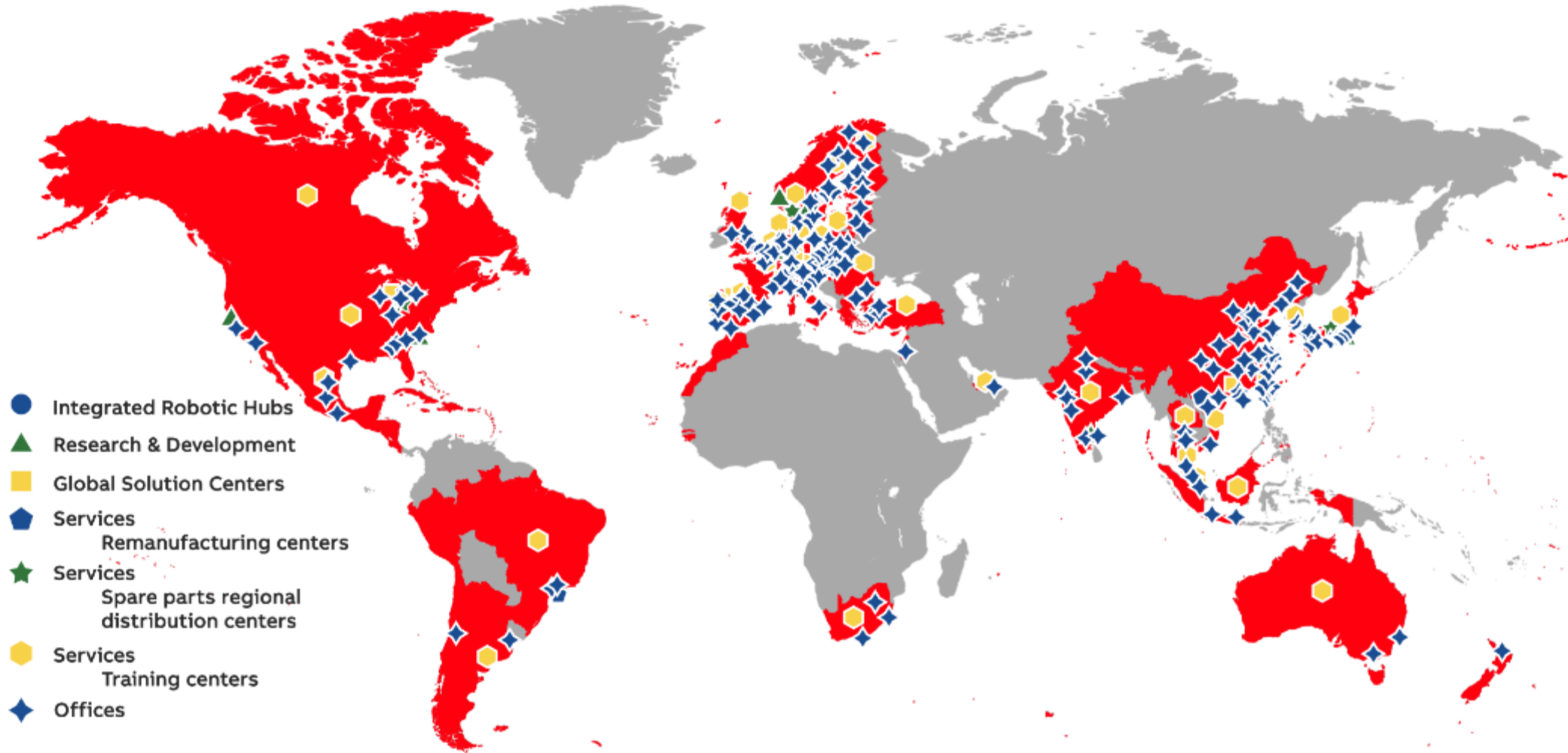


ABB Robotics to be acquired by SoftBank Group

Strong customer value proposition by combining ABB Robotics' leading technology and industry expertise with SoftBank's state-of-the-art capabilities in AI, robotics and next-generation computing



No change in working relationship with our customers and partners



SoftBank is a globally recognized technology group and investor/operator focused on AI, robotics, and next-generation computing.



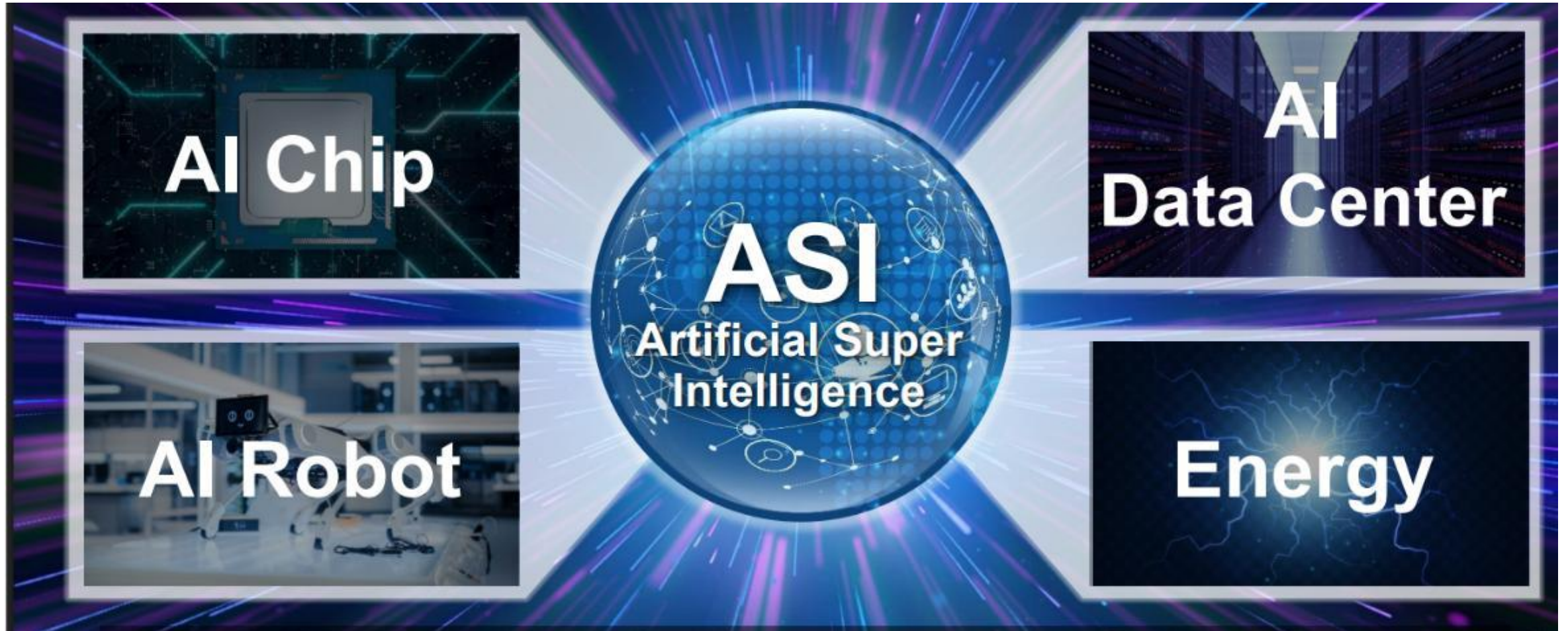
Transaction value: USD 5.375 billion



The deal is anticipated to close in the second half of 2026, subject to regulatory approvals.

ABB Robotics and SoftBank Group share the same vision that the world is entering a new era of AI-based robotics and believe that we can best shape this era together.





Verso una Super Intelligenza Artificiale



Headquarters:

Via Luciano Lama, 33
Sesto San Giovanni, Milano

Showroom and workshop:

Viale dell'Industria 18
Vittuone, Milano

 **Employees** ~200

We help industries outrun – leaner and cleaner



Large industrial
robot family
UP TO 20%
energy savings



Omnicore
CONTROLLER
PLATFORM
UP TO 20%
energy savings



AUTOMOTIVE
Paint Atomizer
UP TO 30%
reduction in
paint waste



Energy
Efficiency
Service
up to 30 %
energy savings

Flexibility and simplicity opens opportunities in many new segments

FOOD & BEVERAGE



AEROSPACE



LOGISTICS



RETAIL



WOOD & FURNITURE



CONSTRUCTION



AG. & EARTH MOVING MACH.



LAB AUTOMATION



HOUSEHOLD APPLIANCE



FOUNDRY



CONSUMER PACKAGED GOODS



METAL FABRICATION



EDUCATION



SMES & TIER 1S, 2S, 3S



EV



ABB Robotics IT

Our offer



Robots & Controllers



Software & Digital



Solutions



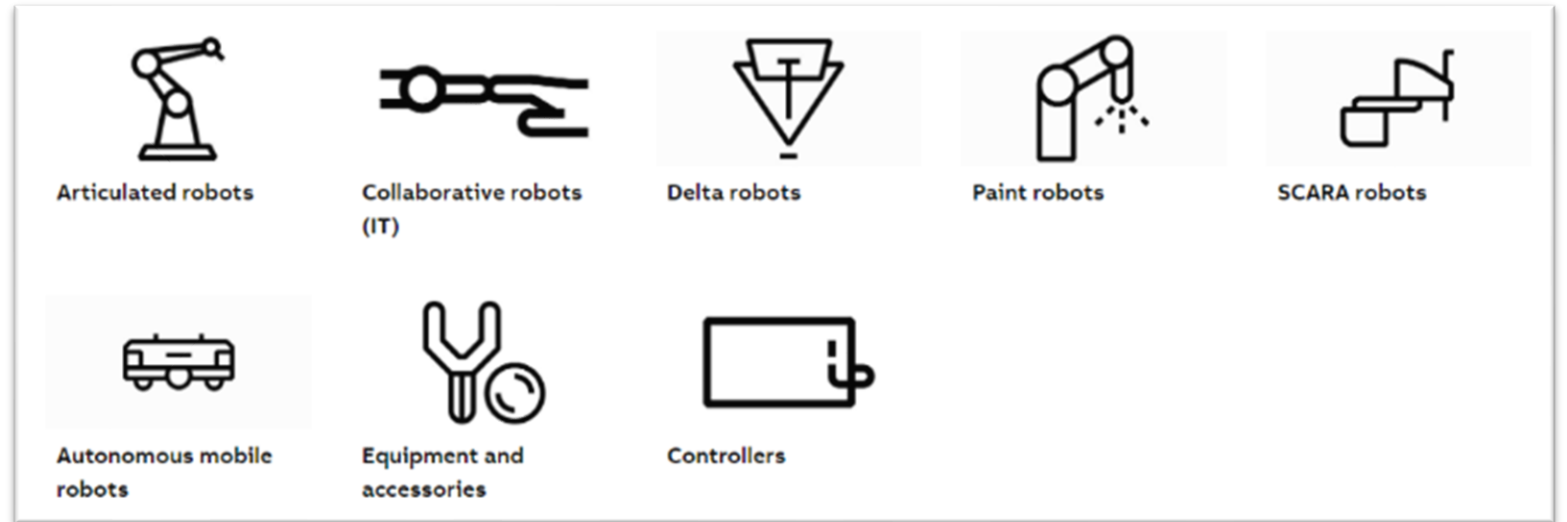
Service & Training

ABB Robotics IT

Our offer



Robots & Controllers



Articulated robots

Small robots



IRB 1010

Payload: 1.5 kg
Reach: 0.37 m



IRB 1090

Payload: 3.5 kg
Reach: 0.58 m



IRB 1100

Payload: 4 kg
Reach: 0.58, 0.475 m



IRB 120

This robot is replaced
by IRB 1100



IRB 1200

Payload: 5-7 kg
Reach: 0.7, 0.9 m



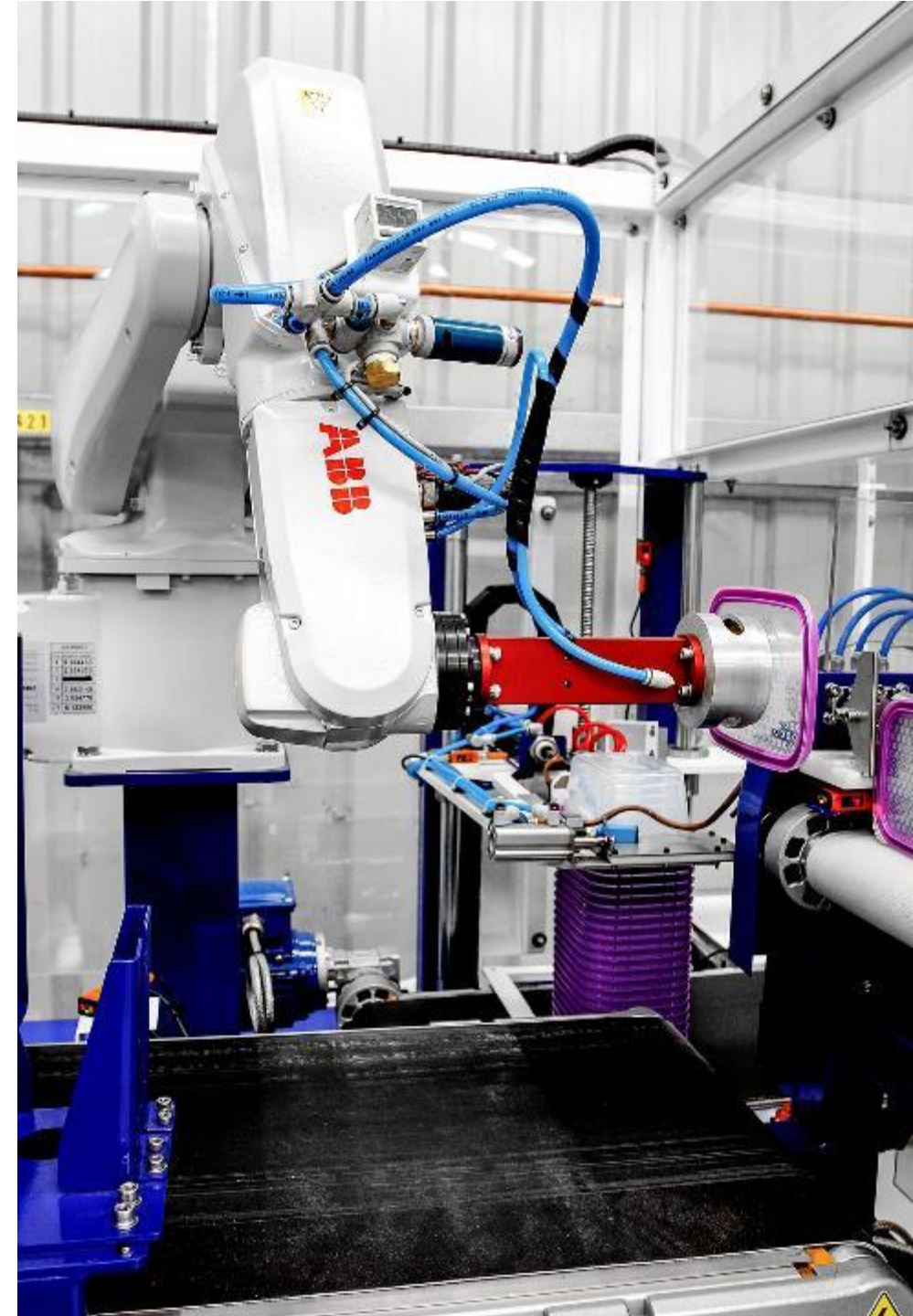
IRB 1200 Hygienic

Payload: 5-7 kg
Reach: 0.7, 0.9 m



IRB 1300

Payload: 7, 10, 11, 12 kg
Reach: 0.9, 1.15, 1.4 m



Articulated robots

Medium robots



IRB 1520ID

Payload: 4 kg
Reach: 1.50 m



IRB 1600

Payload: 6 - 10 kg
Reach: 1.2, 1.45 m



IRB 1660ID

Payload: 6 kg
Reach: 1.55 m



IRB 2400

Payload: 10 - 16 kg
Reach: 1.55 m



IRB 2600

Payload: 12, 20 kg
Reach: 1.65, 1.85 m



IRB 2600ID

Payload: 8, 15 kg
Reach: 1.85, 2.0 m



IRB 4400

Payload: 60 kg
Reach: 1.95 m



IRB 460

Payload: 110 kg
Reach: 2.40 m



IRB 4600

Payload: 20 - 60 kg
Reach: 2.05, 2.51, 2.55 m



Articulated robots



Large robots



IRB 5710

Payload: 70 - 110 kg
Reach: 2.3, 2.7 m



IRB 5720

Payload: 90 - 180 kg
Reach: 2.6, 3.0 m



IRB 660

Payload: 180 - 250 kg
Reach: 3.15 m



IRB 6620

Payload: 150 kg
Reach: 2.2 m



IRB 6650S

Payload: 125-200 kg
Reach: 3.0m, 3.5 m



IRB 6660

Payload: 100 - 205 kg
Reach: 1.93 - 3.35 m



IRB 6700

Payload: 150-300 kg
Reach: 2.60-3.20 m



IRB 6710

Payload: 175-210 kg
Reach: 2.65-2.95 m



IRB 6720

Payload: 150-240 kg
Reach: 2.50-3.10 m



IRB 6730

Payload: 190-270 kg
Reach: 2.70-3.10 m



IRB 6740

Payload: 220-310 kg
Reach: 2.80-3.20 m



IRB 6790

Payload: 205, 235 kg;
Reach: 2.65, 2.80 m



IRB 760

Payload: 450 kg
Reach: 3.18 m



IRB 7600

Payload: 150-500 kg
Reach: 3.5, 3.1, 2.8, 2.55,
2.3 m



IRB 7710

Payload: 280-500kg
Reach: 2.85, 3.5 m



IRB 7720

Payload: 400-620kg
Reach: 2.9, 3.5 m



IRB 8700

Payload: 550-800 kg
Reach: 3.5, 4.2 m

Articulated robots

Palletizing robots



IRB 460

Payload: 110 kg
Reach: 2.40 m



IRB 660

Payload: 180 - 250 kg
Reach: 3.15 m



IRB 760

Payload: 450 kg
Reach: 3.18 m



Collaborative robots



YuMi®

Payload

0.5 kg

Degrees of freedom

7

Reach

559 mm

Max TCP Speed

1.5 m/sec



GoFa™

Payload

Up to 12 kg

Degrees of freedom

6

Reach

Up to 1620 mm

Max TCP Speed

Up to 2.2 m/sec

Paint robots



IRB 52

Paint Robot
A compact painting specialist



IRB 5350

The door opener robot



IRB 5500-22

Paint Robot
Designed for 100 % uptime



IRB 5500-25

Elevated Rail for the IRB 5500-25



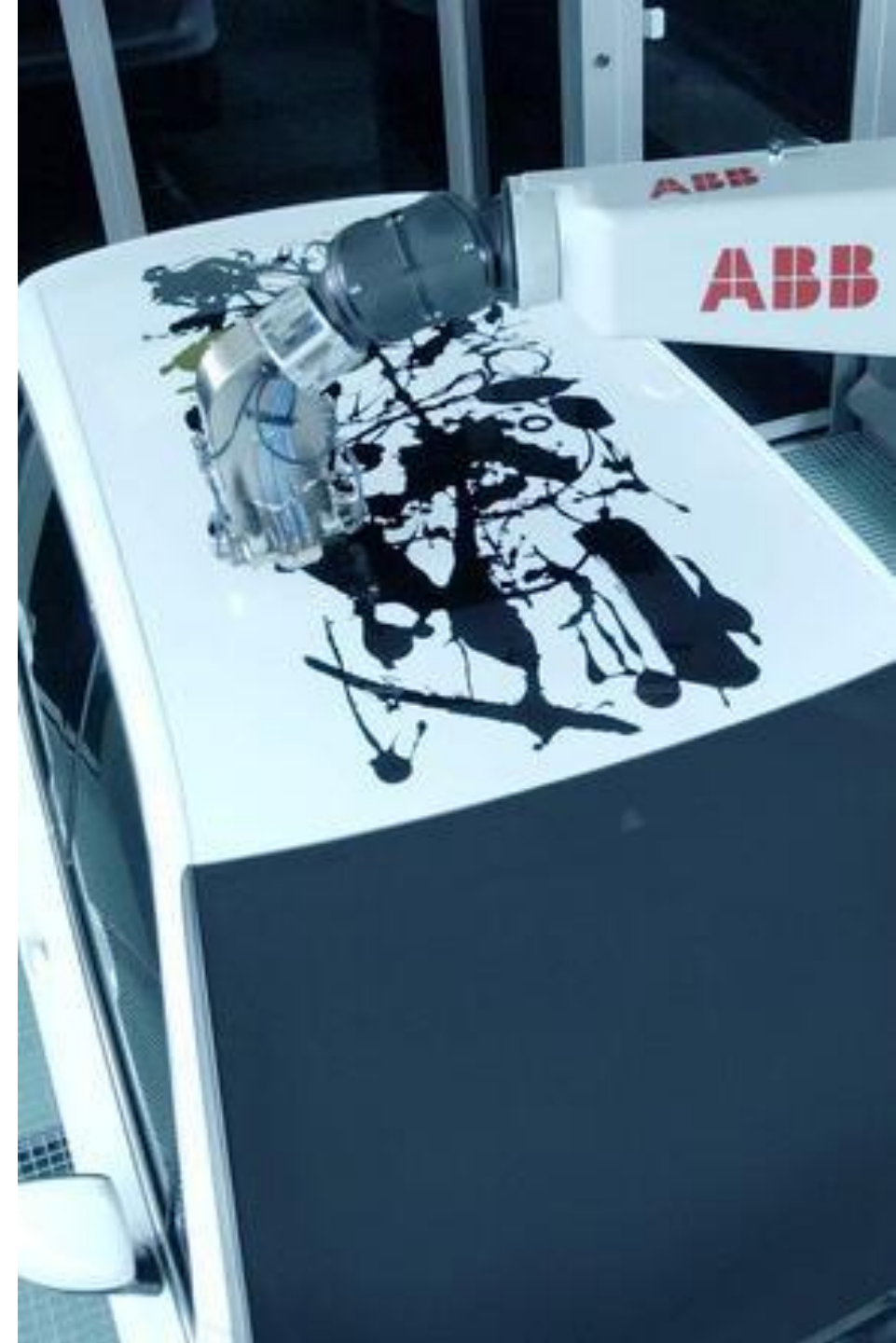
IRB 5500-27

Compact paint robot with integrated 7-axis



IRB 5510

A highly flexible and accurate medium sized
paint robot



Delta robots



IRB 360

Payload: up to 6 kg
Ø: 1130-1600 mm



IRB 365

Payload: 1.5 kg
Ø: 1100 mm



IRB 390

Payload: 10, 15kg
Ø: 1300 mm



SCARA robots



IRB 910INV

Payload: 3, 6 kg
Reach: 0.35, 0.55 m



IRB 920T and IRB 920

Payload: 6 kg
Reach: 0.45, 0.55, 0.65 m



IRB 930

Payload: 12, 22 kg
Reach: 0.85, 1.05 m



Autonomous Mobile Robots (AMRs)

Driving the next generation of mobile robotics.



Product portfolio

Flexley Tug

- AMR T701
- AMR T702
- AMR T901



Flexley Mover

- AMR P304
- AMR P404
- AMR P604



Flexley Stack

- AMR F602
- AMR F702



AMR software systems

New AMR Studio: Easier Commissioning and Diagnostics Process

BUILDER PACKAGE

Layout Designer

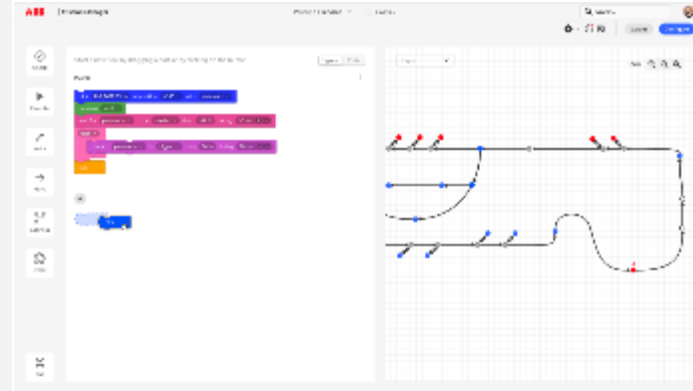
A tool designed to be learned in less than 3 days and with built-in intelligence to guide users through the whole process.



Tool used to map the environment and draw the path that AMRs will follow and to set up all traffic rules.

Mission manager

No-code tool to allow users to program the behavior of the AMR Fleet without any programming skills

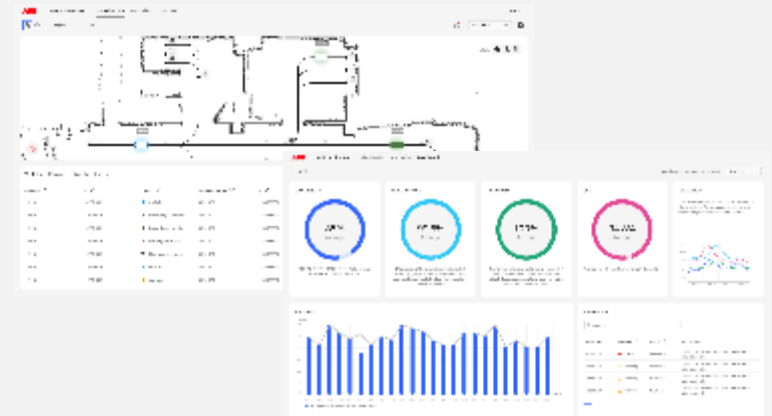


Tool used to define all missions and Jobs that AMRs need to carry out in the system. It can work connected to the Fleet Manager or directly to the vehicle, in case we have a small system without Fleet Manager.

CONTROL FLEET PACKAGE

Fleet Manager

It includes a web-based tool to keep the AMR system under control



User can see the AMRs moving through the layout, check anomalies and order tracking. Plant managers can measure their automation system's benefits by checking the main KPIs in performance. The fleet manager will take care of assigning the optimal AMRs to each mission.

Our controller families



OmniCore

A new era of flexible and digital robot control



IRC5

ABB's fifth generation controller with groundbreaking customer benefits



Equipment and Accessories



Arc Welding

Tailored arc welding solutions



Body-in-white

Shaping the bodyshop of the future



Conveyor tracking module

Customizable transport solution



DressPacks

For material handling



FlexFeeder

Sorting components



Integrated Force Control

Adaptive motion technology



Motor and gear units

Customize your own external axis solutions



Painting

Equipment for all stages of the painting process



Spot welding

DressPacks, cabinets, water and air units and more



Track motions

Maximize the value of your automation investment



Vision systems

Reduce engineering time and increase flexibility with our vision systems



Workpiece positioners

Discover our portfolio of workpiece positioners

OmniVance™ Application cells



OmniVance™ Application Cells

Expert robotics solutions
for next-generation flexibility.

Backed by over 50 years of expertise in robotic automation, ABB's OmniVance application cells help customers unlock new levels of flexibility and simplicity across multiple industries. By combining robot, gripper, controller, software, and other components into a single application-specific solution, OmniVance cells require minimal integration effort. The standardized design of OmniVance cells, coupled with ABB's global footprint ensures quick changeovers, easy expansion, and timely support across multiple sites, globally.

OmniVance™

Application cells



Machine Tool Tending Applications

OmniVance™
FlexLoader M cell



Robotics Storage and Retrieval Application

OmniVance™
FlexBuffer™ cell



3D Quality Inspection

OmniVance™ 3D Quality
Inspection Application



Robotic Arc Welding Cells

OmniVance™ FlexArc
family



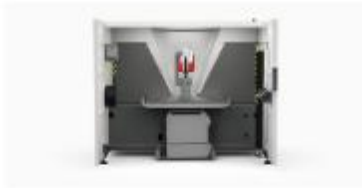
Robotic Machining cells

OmniVance™ Machining
Cell



Robotic Clipping cells

OmniVance™ Clipping
Cell



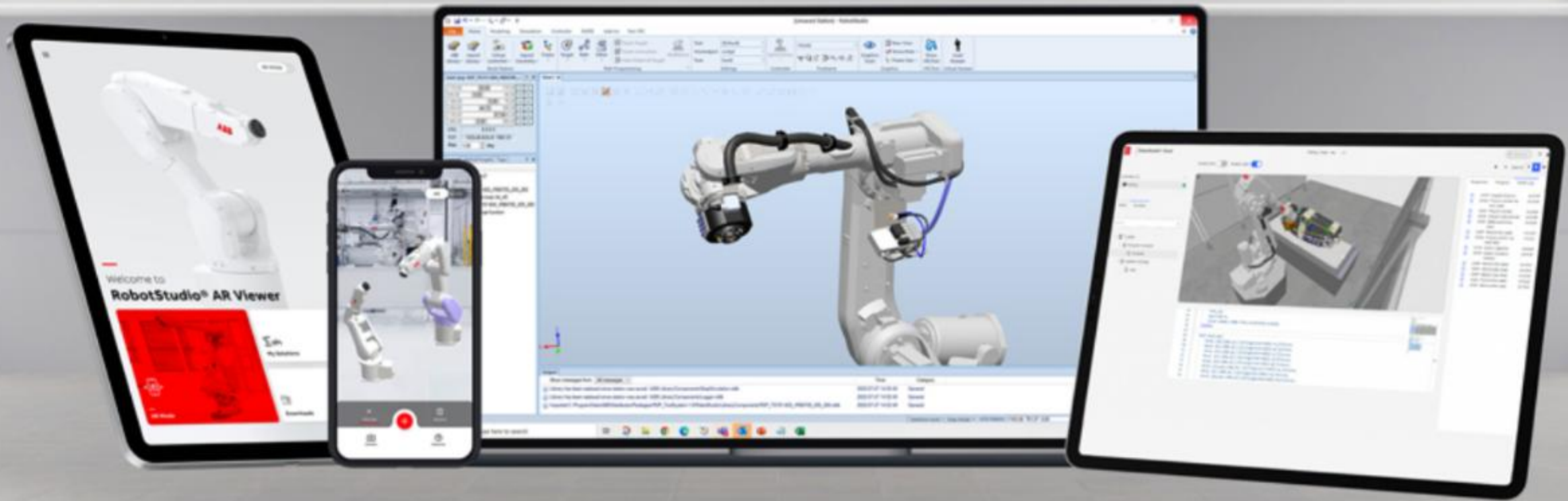
Robotics Arc Welding Cell

OmniVance™
Collaborative Arc
Welding Cell



Robotics Machine Tending Cell

OmniVance™
Collaborative Machine
Tending Cell



Software & Digital RobotStudio® Suite

RobotStudio® is a software suite that allows you to **program and simulate robot movements offline**, before they are implemented in the real world. This can significantly reduce the time it takes to set up and commission robots.



RobotStudio®

Benefits



Maximize productivity

Program and test in a 3D environment an exact copy of your production cell without disturbing ongoing production.



Unleash flexibility

Quickly plan and design new robotic solutions to repurpose facilities for product modifications.



Speed up time-to-market

Reduce downtimes to zero and commissioning times from days to hours.



Sustainable from the start

Up-front robotics simulation and process optimization leads to minimal energy usage and waste.



Here are the key features of RobotStudio®:

- **Offline programming and simulation:** Create and test robot programs in a virtual environment, without interfering with ongoing production.
- **Virtual controller technology:** Accurately simulates real-world robot behavior, ensuring your program will work correctly once deployed.
- **Collaboration tools:** RobotStudio Cloud allows teams to work together on robot cell designs from anywhere in the world.
- **Augmented reality viewer:** Visualize robots in your actual work environment using a free mobile app.

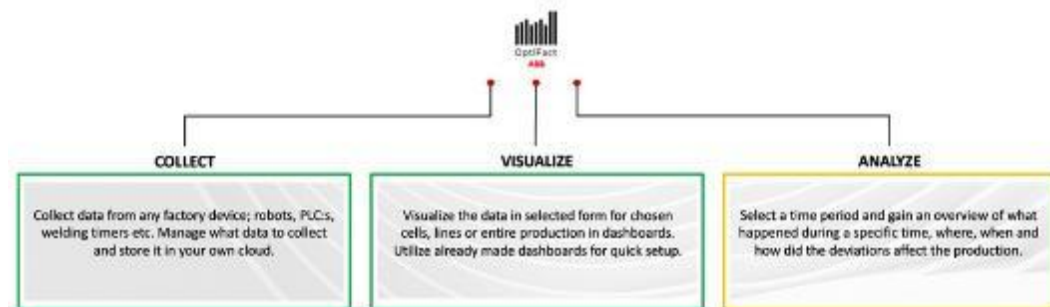
By using RobotStudio®, you can save time and money during the robot commissioning process.



Software & Digital

OptiFact™ Digital Platform

OptiFact™ is a modular software platform to **collect**, **visualize** and **analyze** data from any device in production facilities

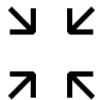


Optifact™



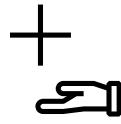
Productivity

Collect data from hundreds of factory devices to determine key indicators such as cycle time accelerating productivity gains



Quality

Make sense out of your data and unlock up to 25% of your most valuable experts' time



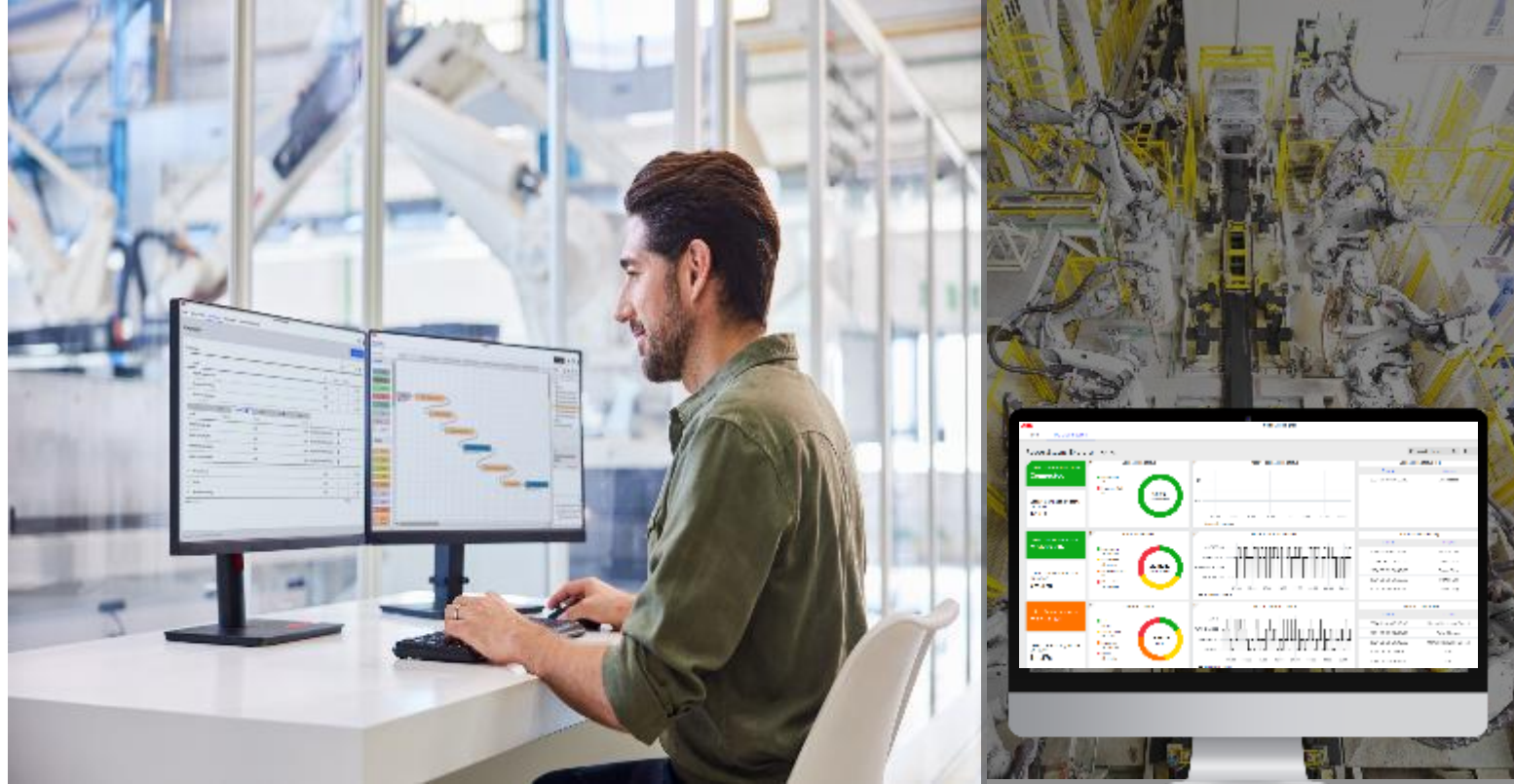
Cost-efficiency

Increase the production time by 20% limiting the number of errors in your factory



Simplification

Analyze your data within 3 clicks through a selection of ready-made dashboards or designing your own



Here are the key features of Optifact:

- **On Promise solution:** OptiFact can run disconnected and stay local within the customer IT system. No data must be sent to ABB
- **Data from any device:** OptiFact is not limited to robot data, collect data from any PLC, OPC UA, MQTT devices.
- **Made for Non-programmers:** Enrich your data using Node-Red and Grafana
- **Build your own view and content:** OptiFact lets users build their own **dashboards** and views and add the applications they think are useful freely. It is an open platform

Global Solutions Centers

General concept

Focus

- Expertise
- Selected applications
- Define technology roadmaps
- Develop function packages



Infrastructure

- Customer center with demo cells
- R&D labs and manufacturing
- Testing new customer applications
- Training our people and our customers



Leadership

- Dedicated team
- Regional & Global perspective with cross border sales
- Collaborative culture



ABB Robotics IT

Our GSC Arc Welding & Machining at a glance

Location

Vittuone (Milan Area),
close to Malpensa MXP Airport



People

More than 30 including:

- Sales and Operations
- Engineering and Application Specialist
- SCM and Finance

Outsourced resources for
assembly, mounting, erection



Welding

- Single Carriage Gantry IRBT i-XZ with IRB1660ID
- CMT welding process package
- Positioner L-2000
- Cobot welding cells
- Laser sensor for tracking
- Welding equipment for MIG/MAG and TIG application



Machining

- 2 different Robot Spindle Package:
 - IRB 2400 + Force Control + 2,2 Kw Spindle
 - IRB 6700 + Force Control + 15 Kw Spindle
- Tool changer
- Cobot polishing cell



ABB Robotics IT

Our GSC Painting at a glance



2 Solutions

Paint

- CO2
- Flaming
- Painting

Sealing

- ISS
- UBS
- UBC

Cleaning



4 Business

General Industry
Auto OEM
Auto Tier1
System Service



3 Locations

HQ - Torino

CS - Napoli

Ops - Milano



30+ people

Marketing&Sales
Engineering
Commissioning
Project Management
Service
SCM
Finance



ABB Robotics IT

Service for robots, cells and robot systems

Our service portfolio



ABB Robot Service Agreements



Installation and Commissioning



Spares and Consumables



End of life services



Training



Maintenance



Condition-based maintenance



Remanufacturing and workshop repair



Extension, upgrades and retrofits



Replacements



Repairs



Connected Services



Technical Support



Buy Back

At ABB we care about the good health of your installed robots. We service what we deliver, from the moment it is installed to the end of its service life. We don't believe in "one size fits all."

We tailor a service package in close cooperation with you for your systems, your application cells and of course for your robots.

We stand ready to help increase the performance, uptime and lifetime.

We offer our service globally with over 1,300 service specialists in more than 53 countries and over 100 locations.

Our promise is that we will provide **world-class services** wherever ABB robots and systems are installed and be one of the main reasons why customers continue to buy from ABB.

ABB Robotics IT Training

Our offering



Teacher-led Training



Online Learnings



Tutorials and How to
videos



Partner training (login
required)



[ABB Robotics Training Center | ITALY](#)

**Benvenuto in
ABB Robotics Training Center**

ABB Robotics IT Education



Impara con ABB

ABB mette a disposizione delle scuole una gamma di prodotti e servizi, dando la possibilità agli studenti di acquisire le competenze idonee spendibili nel mondo del lavoro riguardo due figure professionali molto ricercate: progettista di isole robotizzate e programmatore robot/cobot industriali.

ABB RobotStudio Cup 2026

Talento, creatività e lavoro di squadra caratterizzano anche l'edizione 2026 del nostro contest, volto sempre più a sottolineare la crescente diffusione della simulazione 3D nei percorsi educativi.

[Scopri di più](#)

ABB Robotics Education Lab

ABB Robotics Education Lab è un ambizioso programma che mira a trasformare le scuole in tutta Italia in centri di formazione all'avanguardia nel campo della robotica. Vuoi diventare un Robotics Education Lab?

[Scopri di più](#)

ABB sui libri di scuola

In collaborazione con Hoepli sono nati due volumi, di livello base e avanzato, su percorsi teorico-pratici di robotica industriale e collaborativa pensati per gli istituti di secondo grado.

[Scopri di più](#)

Contacts

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