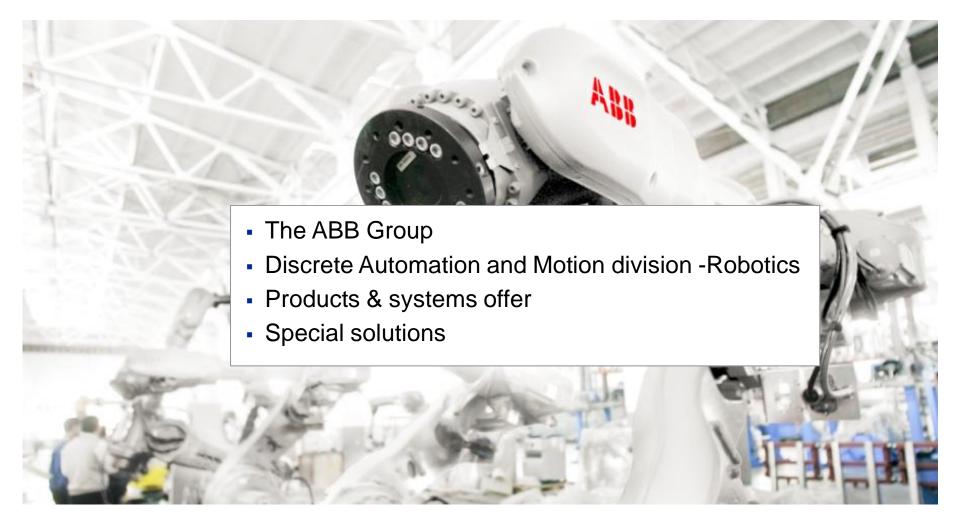


Gavà, 7 October 2015 – Jordi Ribatallada – New Applications

# ABB Robotics Jornada de formación ASPLARSEM

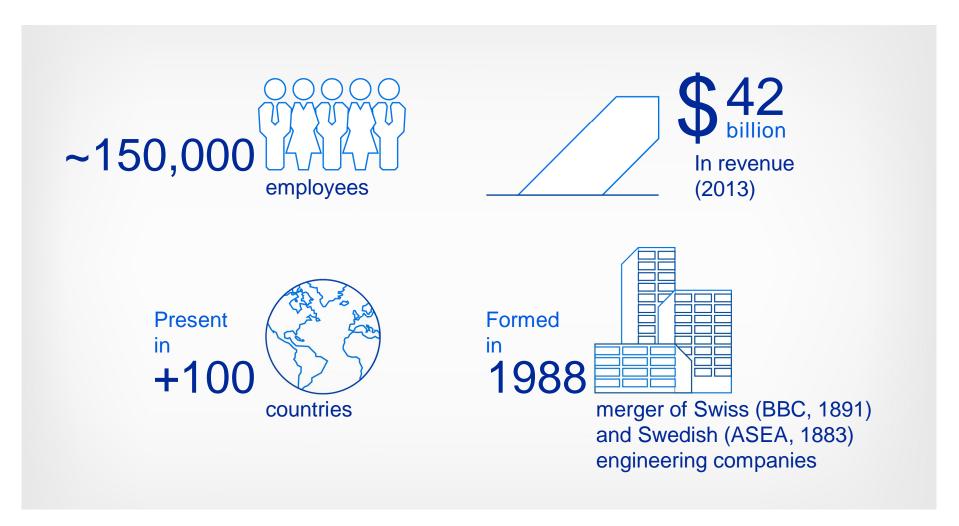


# Robotics overview Agenda



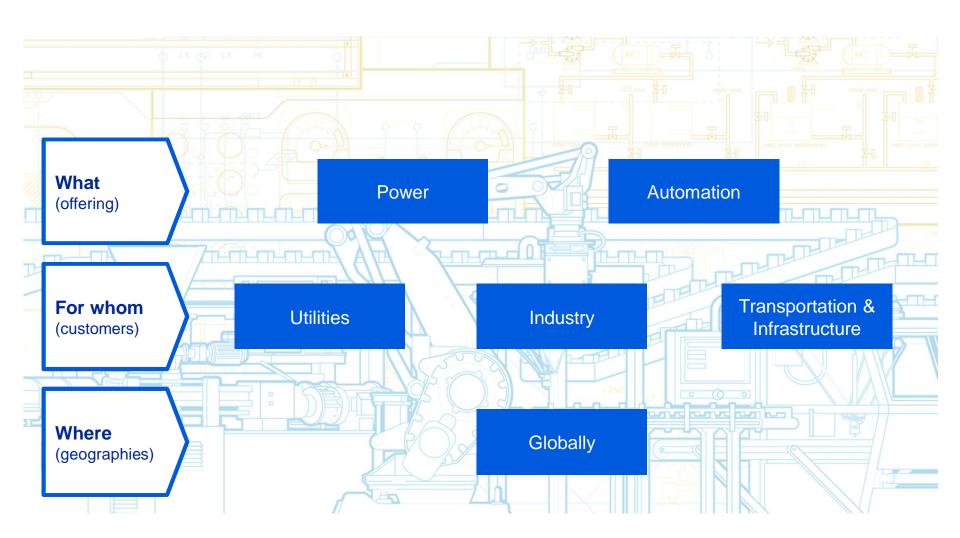


### A global leader in power and automation technologies Leading market positions in main businesses





### ABB – in simple terms





# Services across the entire value chain Creating measurable performance improvements



#### Responsive service

- Installation and commissioning
- Break and fix
- Technical support
- Spare parts
- Training



#### **Advanced services**

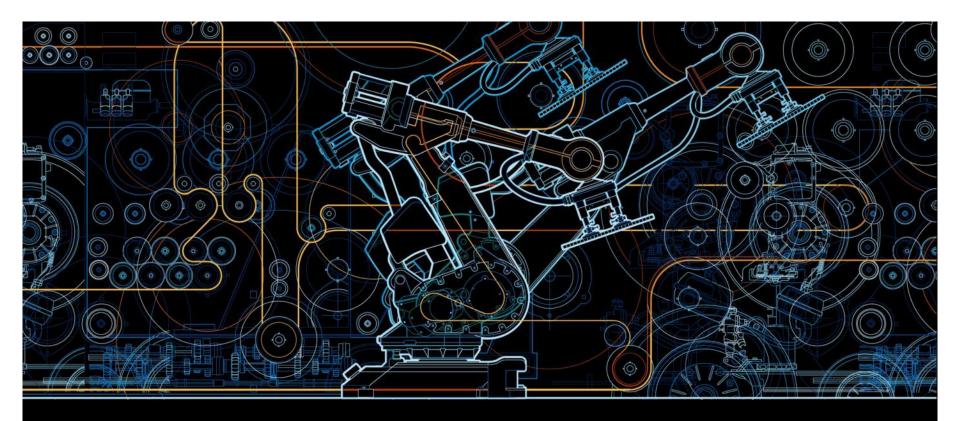
- Process improvement
- Lifecycle management
- Software services
- Evolution programs
- Optimization solutions
- Remote solutions



#### **Value-creating partnerships**

- Co-develop solutions
- Strategic partnerships
- Value-based offerings
- Productivity and energy efficiency solutions
- Consulting





# Discrete Automation and Motion Driving customers industrial productivity and energy efficiency



### The top 10 reasons for robot investment

- Increase production output rates
- Reduce operating costs
- Improve process quality
- Improve workplace health & safety
- Increase product manufacturing flexibility
- Reduce material waste and increase yield
- Reduce labour turnover and difficulty of recruiting workers
- Save space in high value manufacturing areas
- Reduce capital costs (inventory, work in progress)
- Improve quality of work for employees

Based on research carried out by the International Federation of Robotics (IFR)



# Products & systems Overview



**Robots** 

Comprehensive range with capacity from 1kg to 630kg.



### **Application Equipment**

Fully integrated for welding, handling, gluing, sealing, painting



#### **Software**

To support robots & systems throughout their entire life-cycle



### **Manufacturing Cells and Function Packages**

Modular cells based on globally proven solutions



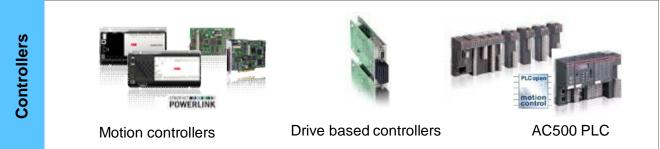
### **Automotive Systems**

Fully engineered for BiW, Paint, Powertrain & Press automation

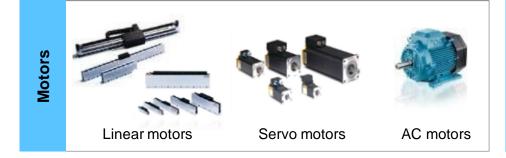


# A unique automation portfolio for integrated manufacturing solutions













# The ABB robot family Range suitable for a wide range of applications



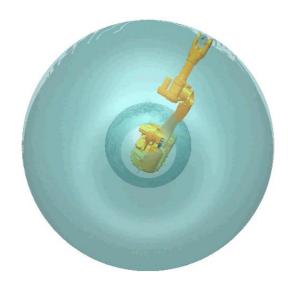


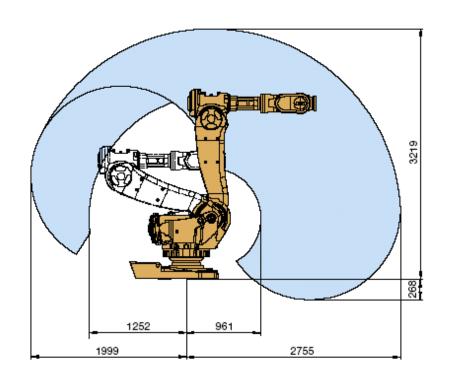
### Robot selection



IRB 6650 - 200 / 2.75







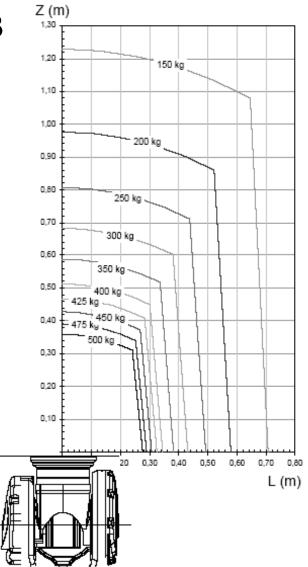


### Robot selection



IRB 7600 - 500 / 2.3

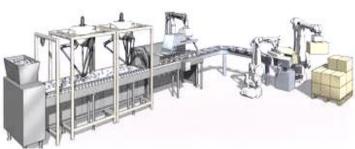






### Dedicated 4 axis robot family & Collaborative robots Overview - picking, packing, palletizing

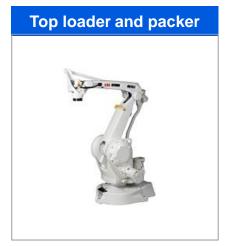




Serving fully integrated selection lines







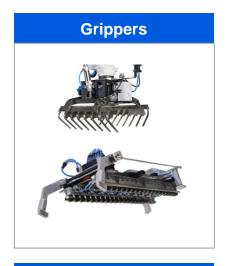




# Robot process and application equipment Fully integrated with your robot















# Robot process and application equipment Fully integrated with your robot















### Software RobotStudio - Smartphone simplicity for robots

#### **Programming**



#### RobotStudio 5.60

With touch-enabled user interface taking advantage of new PC models

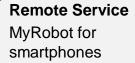


#### **Commissioning**



#### RobotStudio Online

Four apps for editing, calibration, jogging, and management, that will run on industrial tablets





**Supervision** 

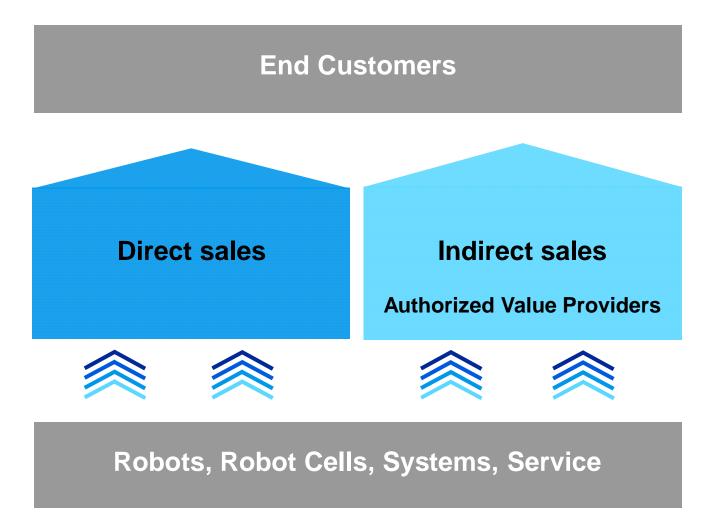
#### **ABB CP600**

Operator Panels now compatible with IRC5





### Two channel market approach



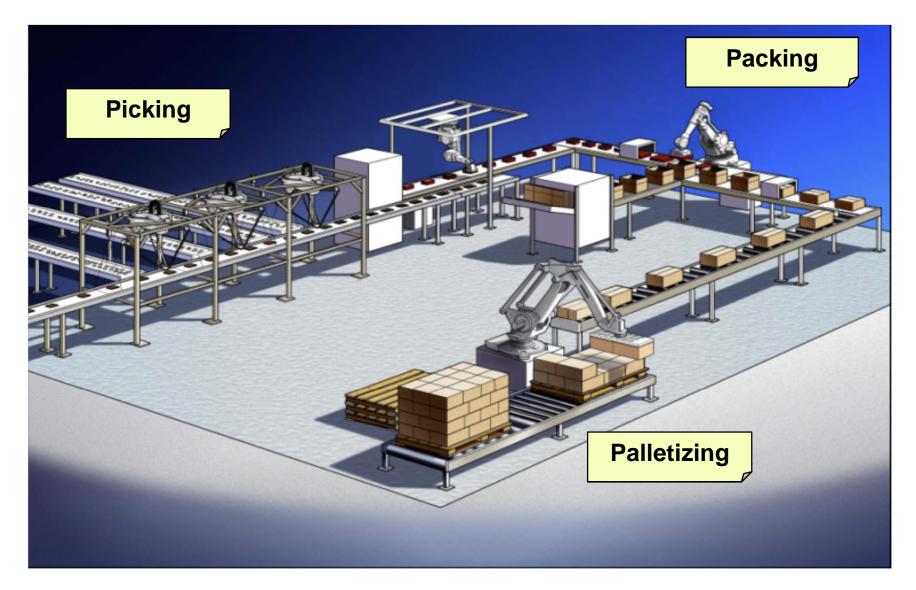


# Selection process Special solutions



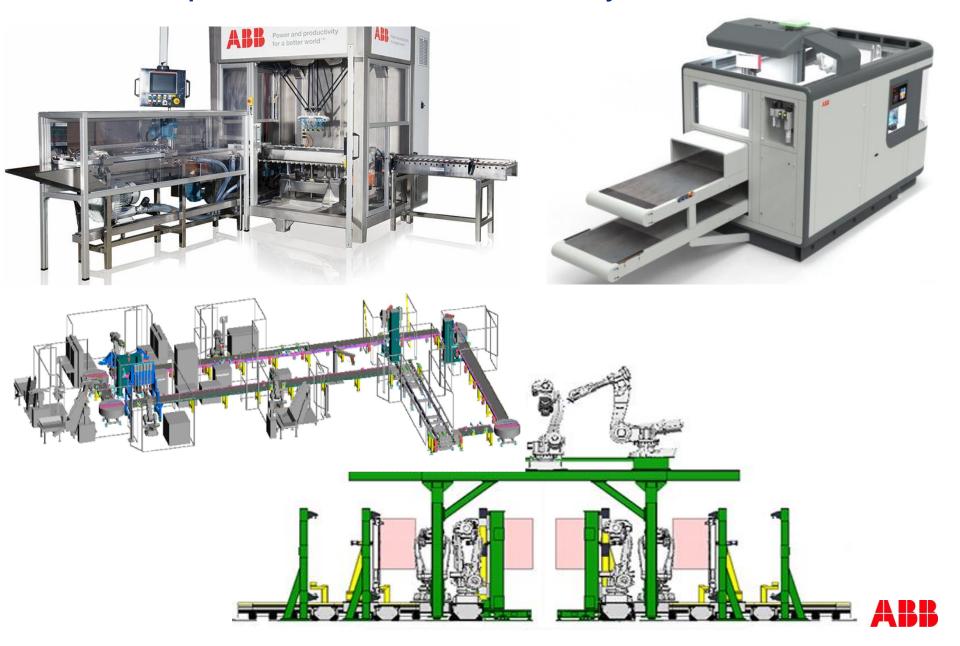


### Selection process





# Selection processout – Different Layouts

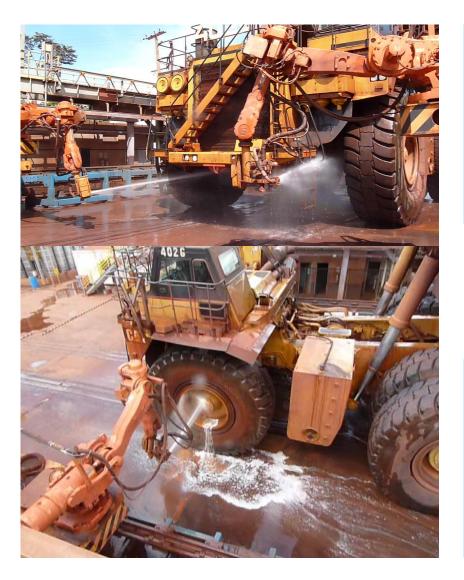


### Assembly & disassembly on site (Special solutions)





## Truck washer system (Special solutions)

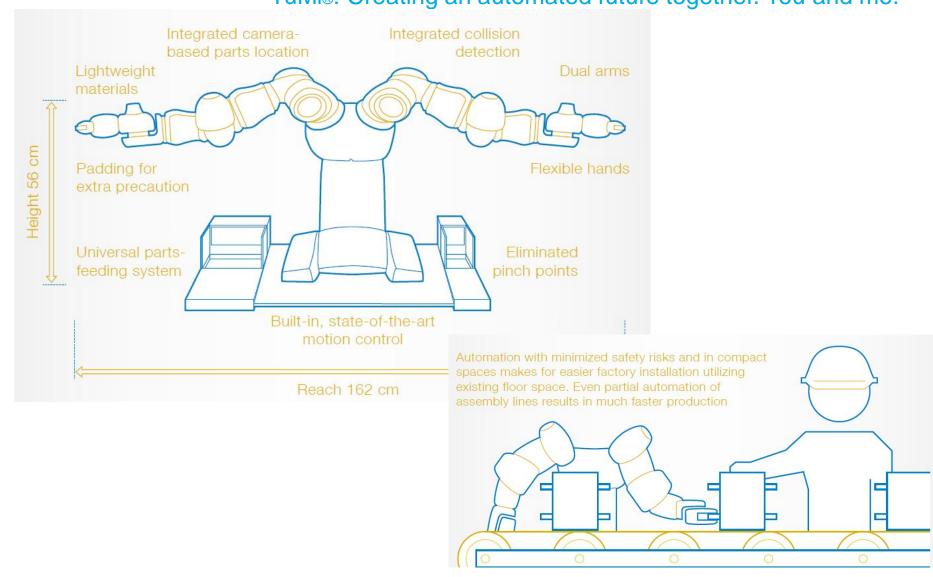






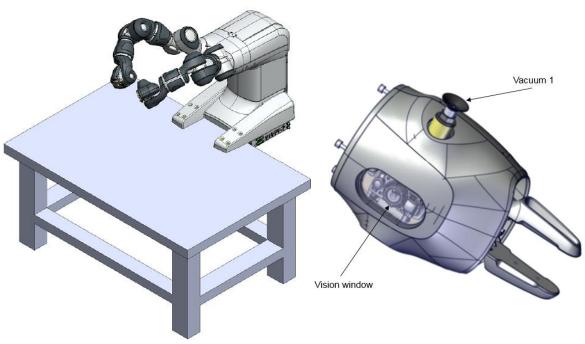
### Selection process

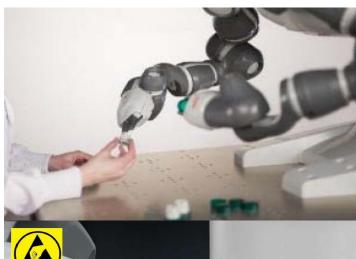
YuMi®: Creating an automated future together. You and me.





### Selection process Collaborative solutions









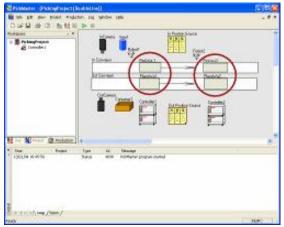


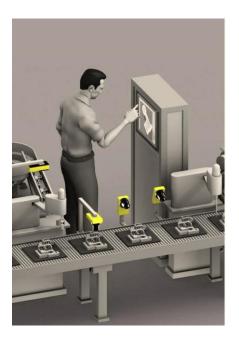




Selection process Vision integration Handling













### Service offer A partnership for productivity improvement



**Parts and Logistics** 

The right part, in the right place, at the right time



**Field Service** 

Assists you to get the best possible uptime



**Training** 

Reduces your cost with professionally trained employees



**System Service** 

Offers you solutions for optimization and refurbishment



### "We have a passion for robotics"











- ABB is committed to being a world-leader in robotics.
   We are capable of designing, producing and delivering the highest quality robots, systems and services to meet the needs and expectations of our customers
- Quality will be built in to everything we do.
   This will be evident each time we deal with our customers
- Service is a key part of our offer.
   We will support our customers with the highest quality, most responsive service organisation, in the industry
- Technology and innovation are part of our DNA.
   We will continue to invest heavily in R&D to ensure we meet our customers needs both today and in the future



### Our robotics team





# Power and productivity for a better world™

