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## **Our Business Areas**

Employees ~105k

Countries +100

Revenues ~\$26 bn



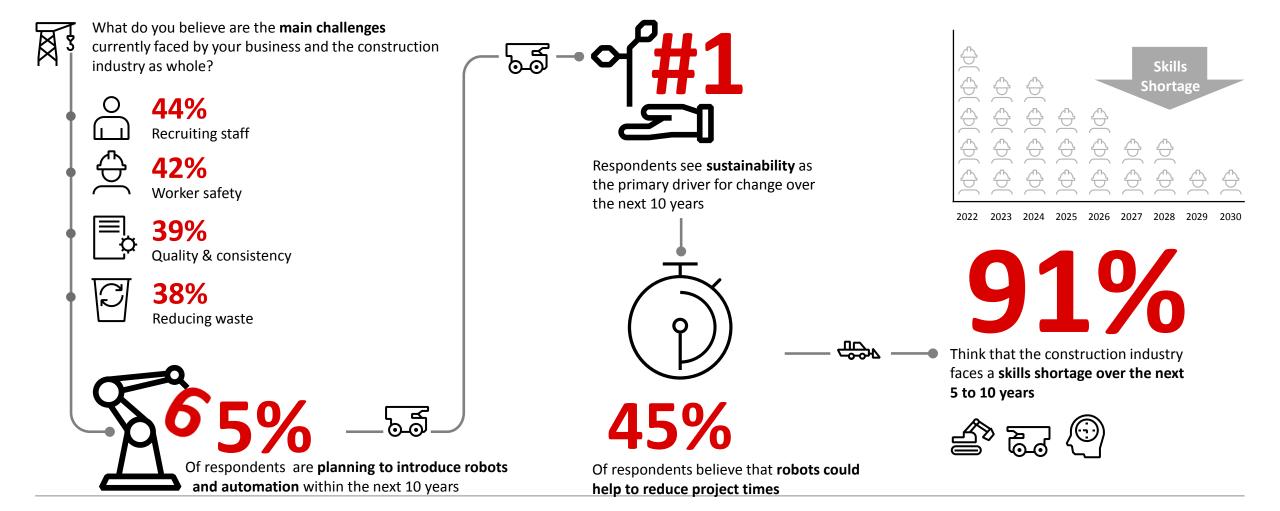








## **ABB Robotics 2021 Construction Industry Survey**





## How automation can transform the industry to....

#### Address the labor crisis



- 91% of construction businesses say they face a skills crisis over the next 10 years.
- Applying robotics to construction not only fills labor gaps onsite, using robots for the most repetitive and dangerous jobs frees labor from low-level tasks, allowing employees to upskill.

#### **Build more efficiently**



- Robots and digital tools can automate the fabrication of modular homes and components off-site
- Robots can save time, handle repetitive tasks with precision, safety and speed, from welding to materials handling and structural 3D printing.

## **Build more sustainably**



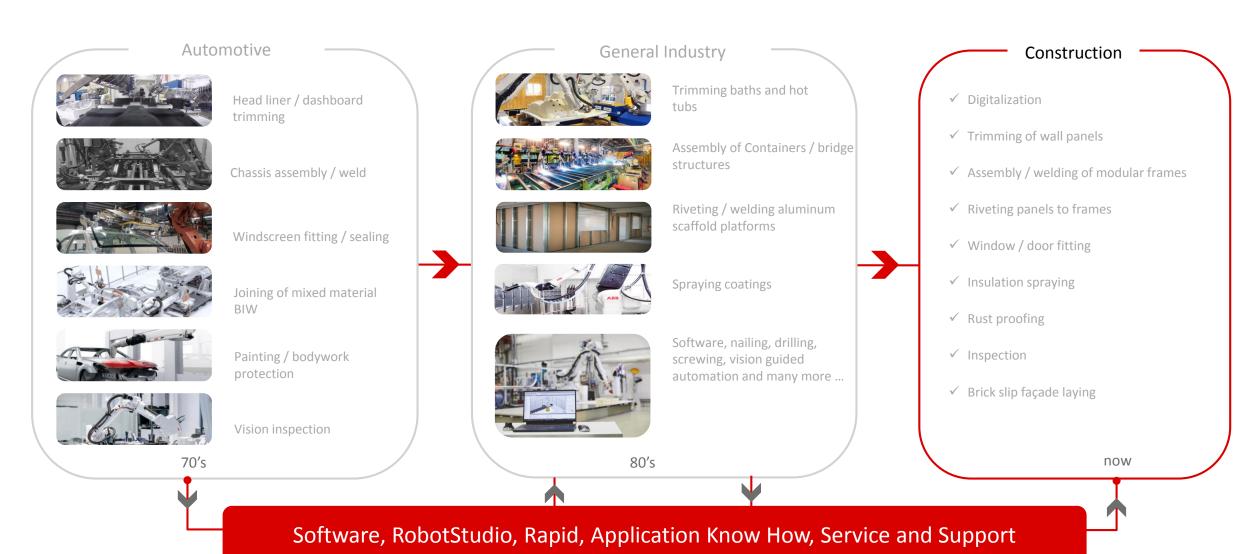
- Up to a 25% of material transported to a building site leaves as waste.
- With robotics and digital solutions, you can design waste out at the beginning of a project through effective building design and construction processes.



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## **Knowledge transfer to address key challenges**

## Many applications transferable to construction



# The importance of the entire ecosystem

#### Universities



**Architects / Designers** 



**Product / Material Suppliers** 



**General Contractors** 



**Machinery Manufacturers** 



**Software** 





## How we support transformation in the construction industry today

On-site automation

#### **Installation of Elevators**

Schindler Elevators





## Walk paths and Sidewalks

ODICO

+





#### **Masonry walls**

NCCR Digital Fabrication





#### **Drilling**

**ULC Technologies** 







# How we support transformation in the construction industry today

## Off-site automation

#### **Assembly of modules**

Autovol

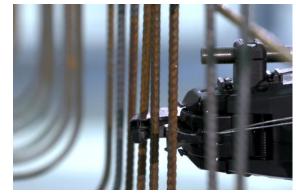




#### **Structural**

SKANSKA





#### **Diverse**

IndexLab





#### **Additive Manufacturing**

Weber – Saint Gobain









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# Thank you















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