



ABB Dalmine evolution

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Fabio Golinelli

Advanced Processes and Technologies Manager Italy
ABB Electrification, Distribution Solutions

Well positioned across global markets

Employees
~105,000

Countries
>100

Revenues
~\$29 bn

Europe
~\$10.3 bn

Americas
~\$9.6 bn

AMEA
~\$9.6 bn

2022 figures

Electrification



Motion



Process Automation



Robotics & Discrete Automation

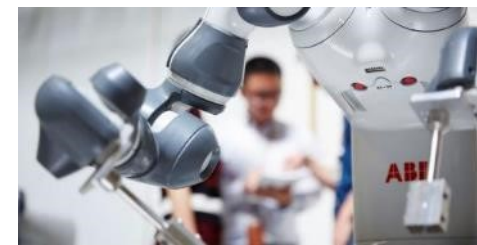
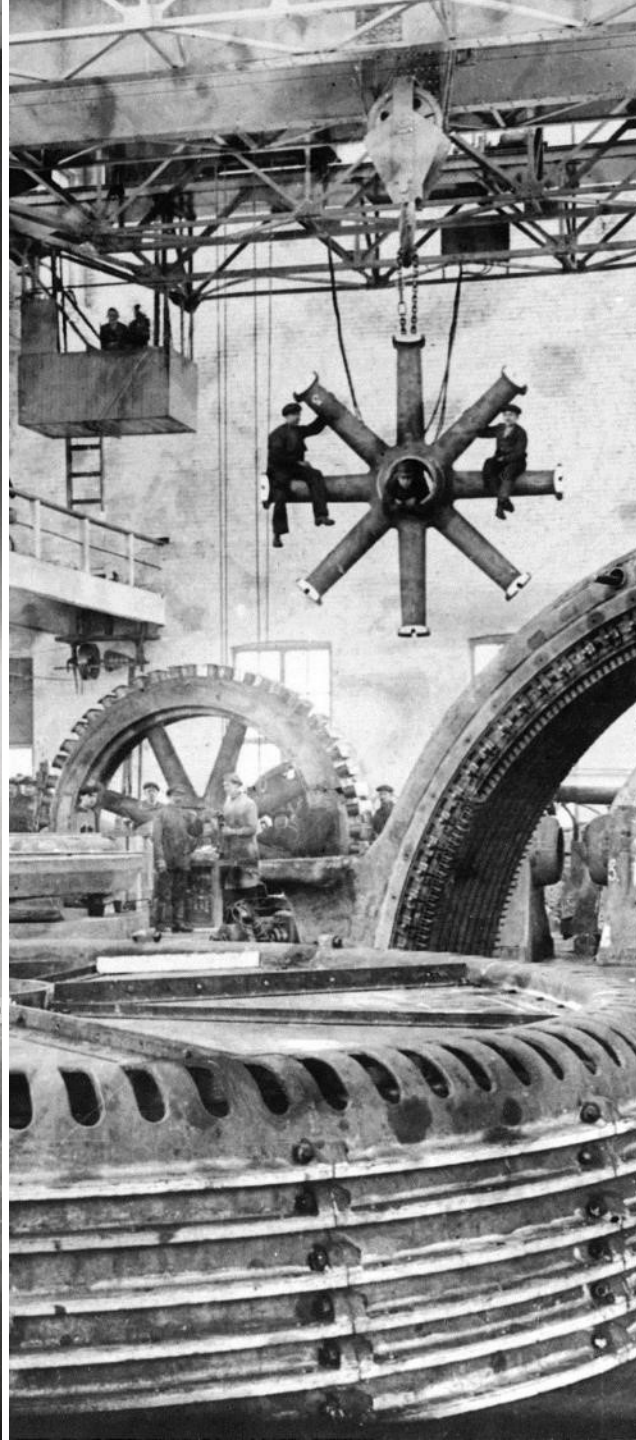


ABB has been pushing the boundaries of technology for +130 years



ABB

ABB Dalmine



Dalmine site: overview

Covered area **43,000 sqm**

Total Employees **900**



Primary and Secondary Components



Advanced Processes and Technologies



Medium + Low Voltage Service

Medium Voltage Switchgears



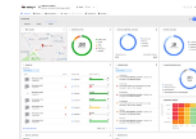
R&D center
70+ Engineers

Laboratories
Experimental, Prototyping, EMC,
Electronic

Smart Lab and Virtual Reality

Field Application Support

Digital Solutions



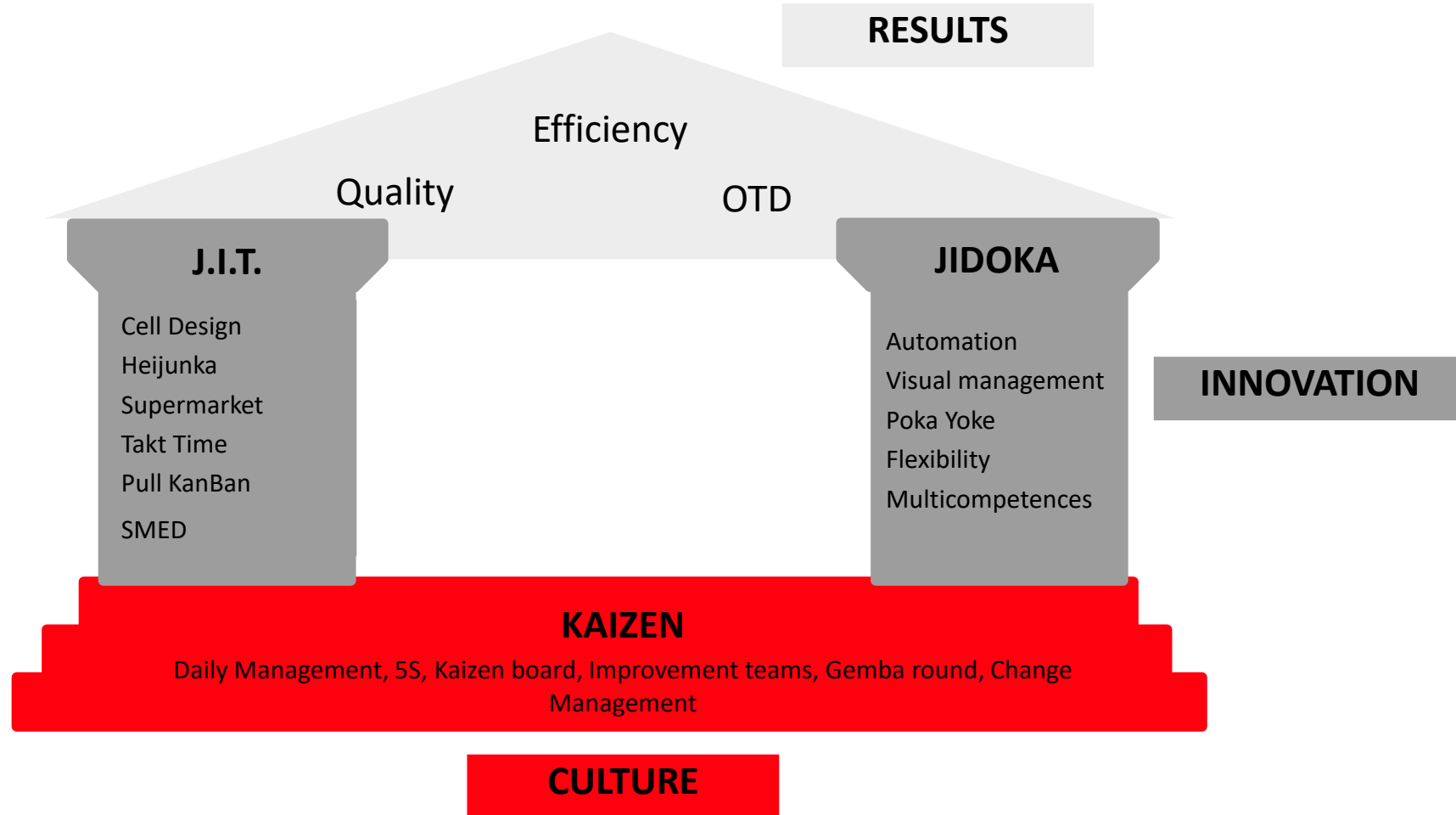
Lean Evolution

2008 Tour in Japan



Lean Evolution

Lean Operative Model



Digital Evolution

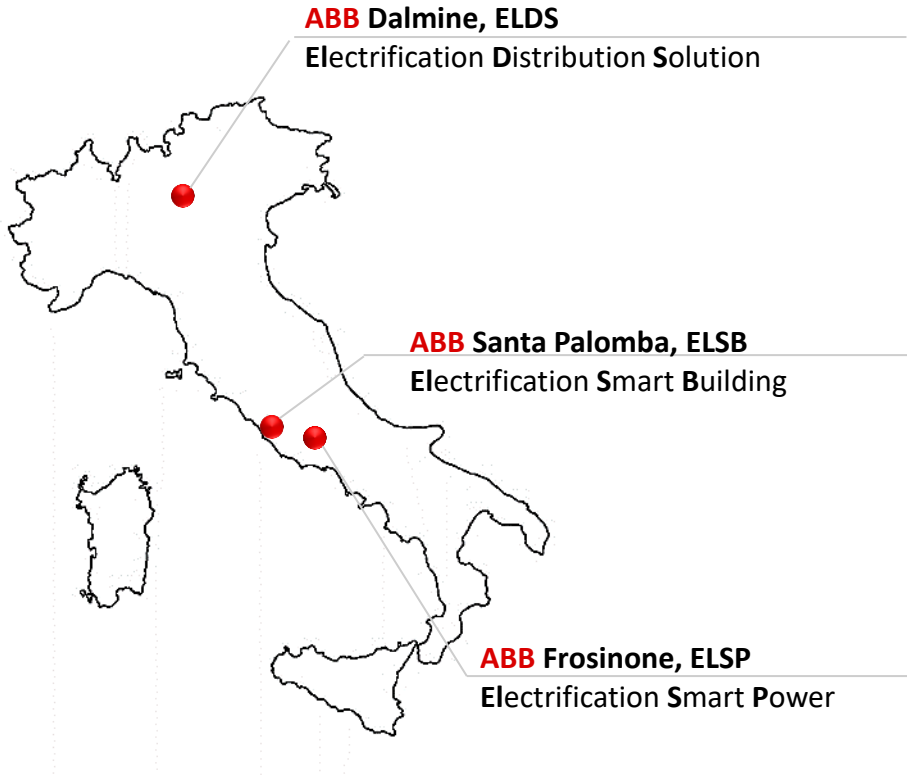
2015 Tour in Germany



CONFINDUSTRIA BERGAMO

ABB Italy Lighthouse Plant

2020 ABB Lighthouse Plant Italy



Goals

- Be a real demonstrator of digital solution
- Be a benchmark for the italian factories
- Be a leader in ABB Group

+300 people involved

+33 projects

Time Frame

- 1° September 2020 – Today

ABB Italy Lighthouse Plant

7 innovative topics

**Virtual factory
Digital Twin**



**Advanced Innovative Processes
AGV's & 3D Printing**



**Collaborative
Robots**



**Smart
Maintenance**



**Sustainability
Quality & Circular Economy**



**Smart
Supply Chain**



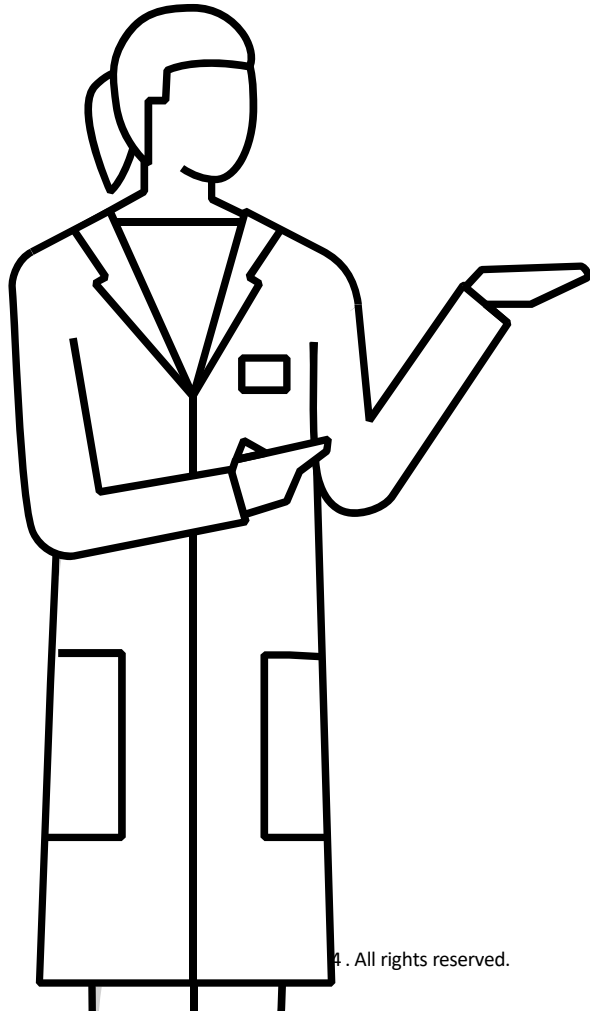
**Smart HSE
Health Safety Environment**



People 4.0



—
Industry 5.0
From a Smart Factory
to a **Smart Society**



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People Centric



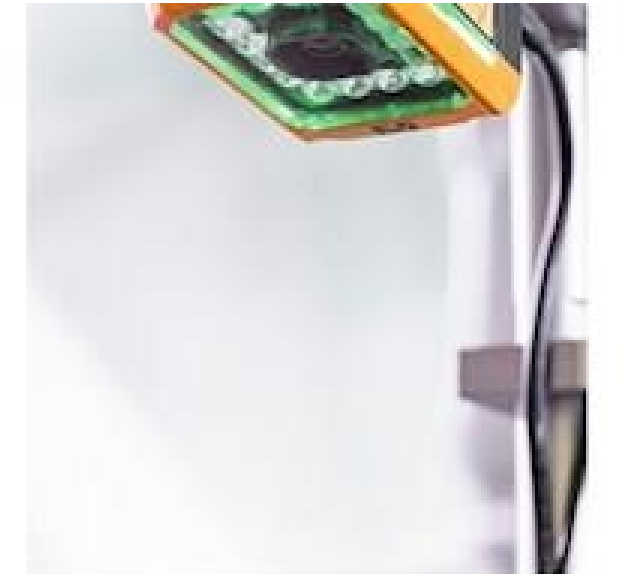
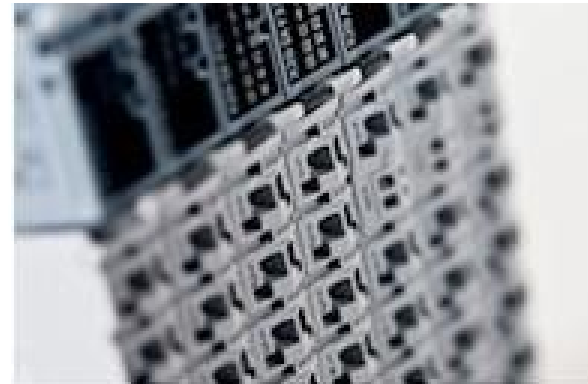
Resilient



Sustainable

—
...And Now
A step forward
towards the
future

A.I.



ABB