

Comau History

1973

Several companies in the Turin area create **CO**nsorzio **MA**chine **U**tensili

1977

Establishment of **Comau Industriale** with powertrain and body (welding, assembly and handling) divisions

1978

Comau S.p.A. is established incorporating Comau Industriale activities

1995 - 97

Comau opens plants and offices in **Germany, Brazil, Argentina, France and India**

1999

Comau acquires Renault Automation in **France** and Pico in **USA, Mexico, Germany** and the **UK**

2000 - 03

Comau China, Romania and Russia are established

2010

Set up of dedicated business lines for **general industry**

2016

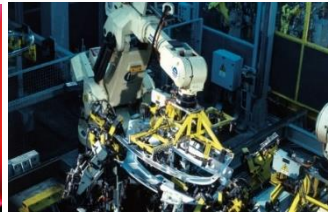
The **Humanufacturing Innovation Centre** in Pisa is opened

JV with ÖSSUR wearable devices

Comau opens in **Palo Alto, California**

2017

Opening of the **Digital Transformation Competence Centre**



Skill focus evolution

Technology

Management

PMO Strategic Role

CORPORATE PROJECT MANAGEMENT organization (**PMO**) to:

- Develop and implement **global organizational policies and processes** related to project management
- Improve management on **multi-national projects** with the right empowering and visibility
- Manage the **Global Projects Portfolio**
- Allow **experiences flow** between different Countries and Businesses
- Share **best practice and lesson learned**

COMAU
PM Academy

PM Project
Management
R.E.P. Institute



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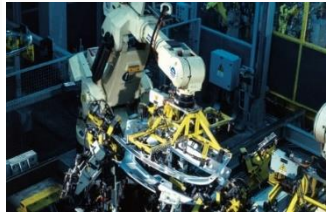
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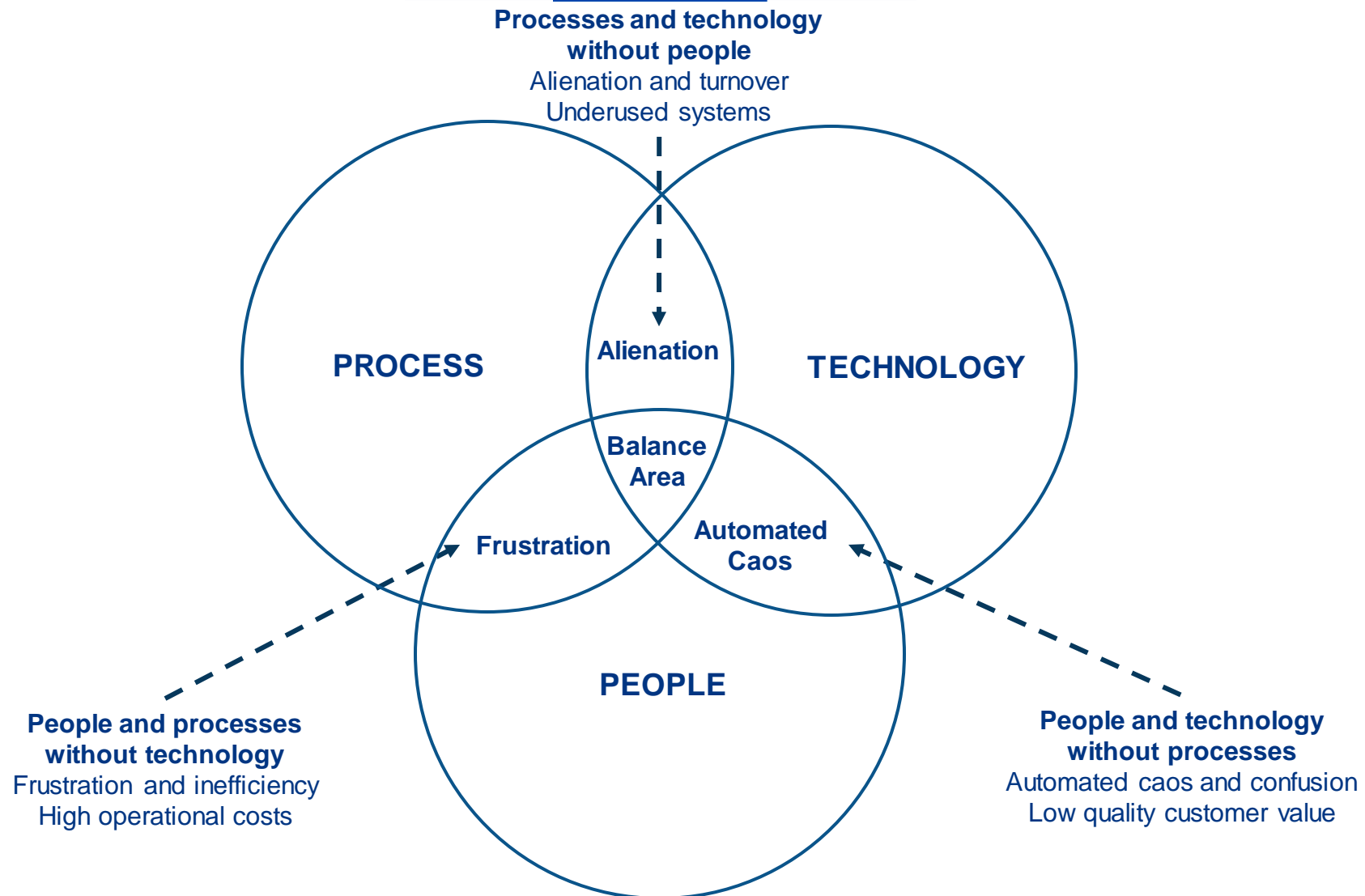
Skill focus evolution

Technology

Management

Culture

Balance Area



e.Do™

EXPERIENCE

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e.Do™
EXPERIENCE



INNOVATIVE EDUCATION
TO LEARN THE FUTURE

COMAU

edo.cloud/edoexperience

What it is

e.DO

a flexible, interactive, open-source, professional robot, created for anyone who wants to explore or expand the world of robotics.

Designed to stimulate **creativity** and **participation** inside and outside a classroom setting. It integrates and consolidates **Key Skills Areas** such as Robotics, STEM subjects, Soft Skills and Industrial Culture.

e.DO Experience, an innovative educational platform for learners of all ages:

- Facilitates a PRAGMATIC APPROACH in learning disciplines
- Strengthens CROSS-DISCIPLINARY COMPETENCES
- Encourages INVOLVEMENT, COOPERATION AND INCLUSION among participants
- Provides an UNCONVENTIONAL AND ENGAGING learning journey
- Develops the ability to LINK DISCIPLINARY LEARNING TO THE WORLD at large

Fundamentals

e.DO Experience leverages on
COMAU ACADEMY'S LEARNING MODEL,
which mirrors the way people learn «naturally»








- **CONTENT** - learning is due to the acquisition (formal or spontaneous) of new knowledge, principles, tools.
- **RELATIONSHIP** - people learn by social interaction, experience sharing, emotional bond to others.
- **ACTION** - learning by doing (performing tasks, facing challenges, solving problems) is a key part of the process.

Facts

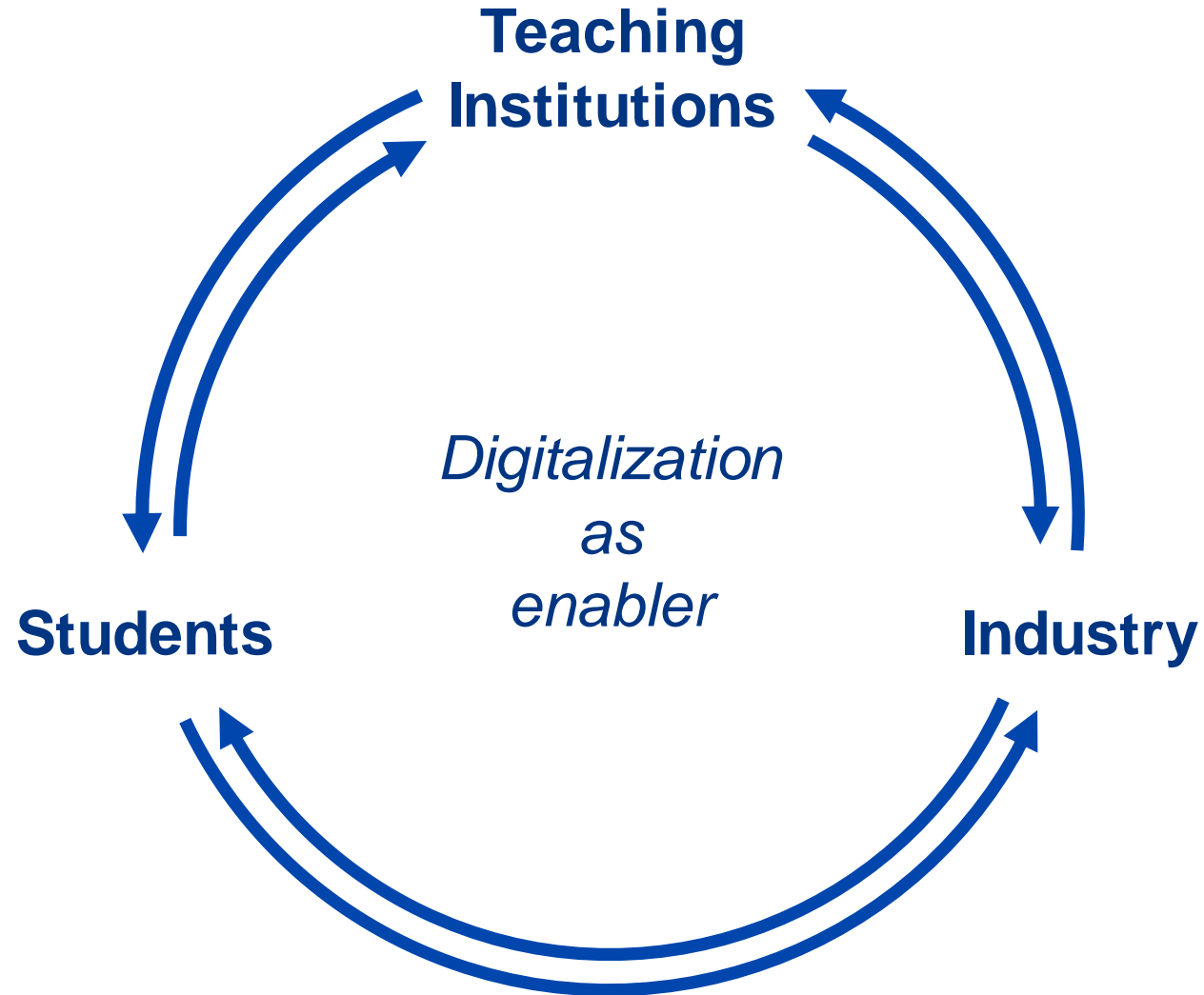
- 6.000 Students engaged in e.DO Learning Center **Fondazione Agnelli** (Turin) activities in the scholar years 2017-2018 and 2018-2019
- 7.500 Students of the **Secondary Schools and Universities** involved in Robotics License program from Sep 2017 to Jun 2019
- 500 **Executives** involved in different Academy learning paths using e.DO Experience
- 150 people involved in the event **Women Experience in STEM** organized by Comau, Campus Party, Pearson in and for Confindustria (Rome)
- 1.600 Students involved in e.DO Learning Center **Fondazione Dalmine** (Bergamo) from Jan to Jul 2019
- 100 Students of the **Primary and Secondary Schools** have participated in e.DO Experience Laboratories in Karlshamn (SWE) during the first week of Sep 2019
- **EIT Manufacturing** funded project, involving Comau in collaboration with Vienna University of Technology and Institute of Technology - University of Tartu, aimed at developing e.DO Programs for University students

Automation Challenges and Trends 2019 - 2025

	The Trends	The Challenges	The Enablers
	Low volume high mix	Automation complexity and unpredictability	Collaborative automation for greater flexibility
	Shorter cycles, faster launches	Shop floor disruptions and high engineering costs	Better software for engineering efficiency
	Increased need for automation and scalability in SMEs	Lack of robot integration and programming expertise	Easier to use robots with more intuitive programming
	Rising cost of downtime	Higher lifetime TCO due to increase in planned downtime	Advanced analytics and services for greater reliability
	Increased and sporadic human intervention	Lost productivity to maintain safety	Collaborative automation to maintain safety and productivity

**The answers to these challenges are:
Simplification, Digitalization and Collaboration**

Agile Skills Development Ecosystem





THANK YOU