



La via italiana dell'Industria 4.0 (?)

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LARGEST AND OLDEST
TECHNICAL UNIVERSITY
IN ITALY, FOUNDED IN

1863

**Engineering,
Architecture
and Design**

1,400

PROFESSORS AND
LECTURERS

40,000

STUDENTS



12

DEPARTMENTS

2

MAIN CAMPUSES
IN MILAN

5

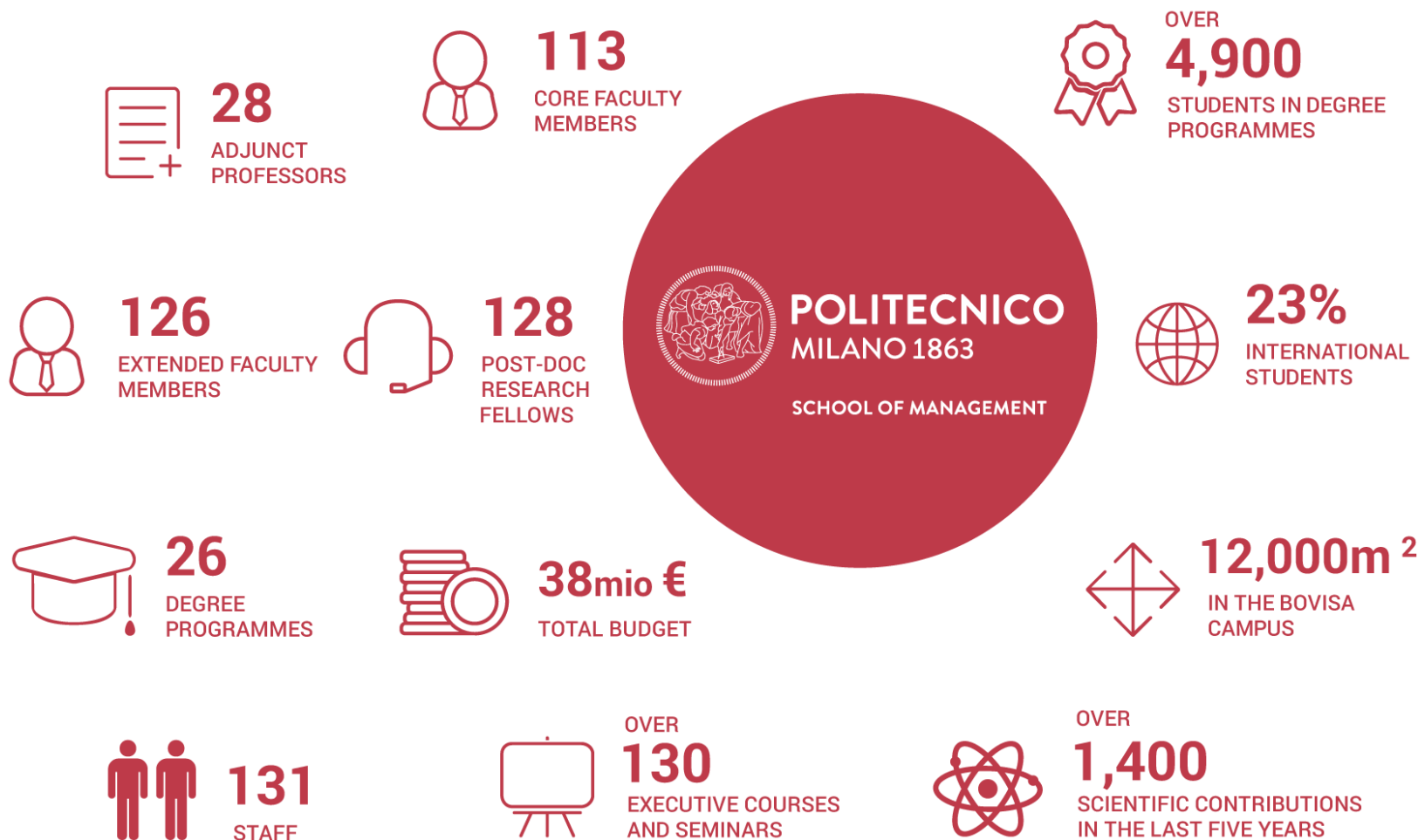
CAMPUSES IN
NORTHERN ITALY

**1 in China
and 1 in India**

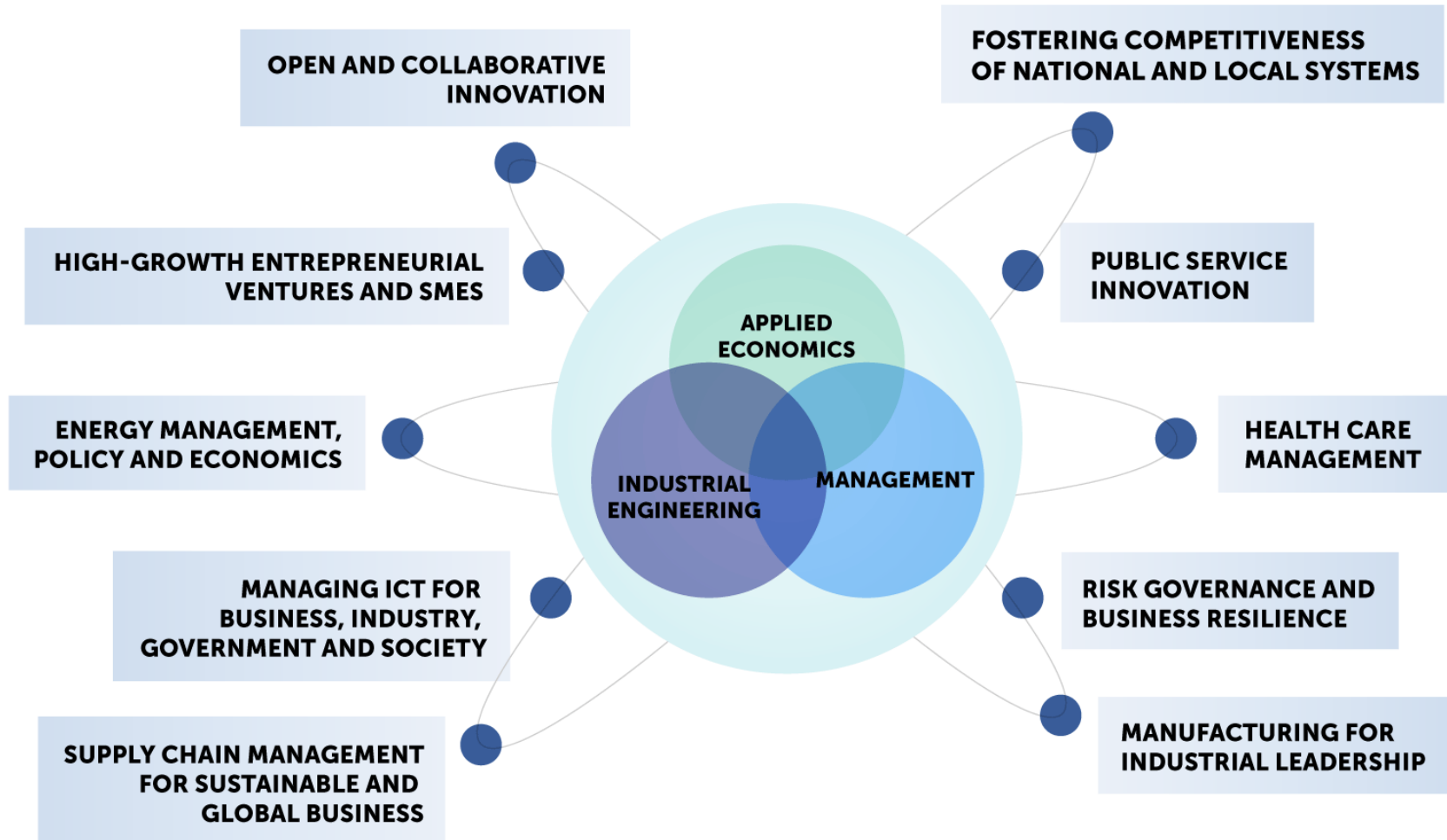
RANKED **no. 1** nationwide,
no. 24 worldwide

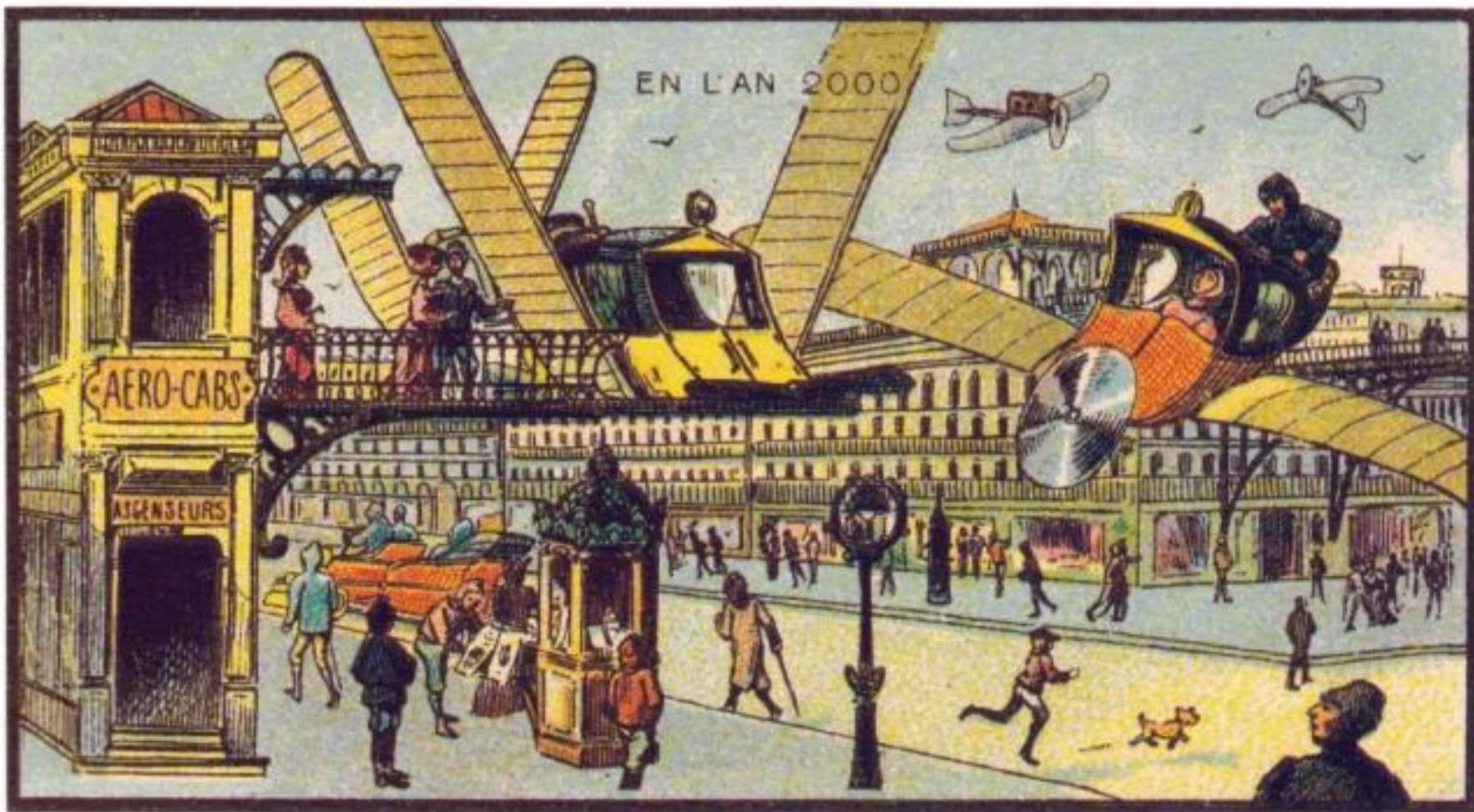
(QS WORLD UNIVERSITY RANKINGS 2015)

School of Management



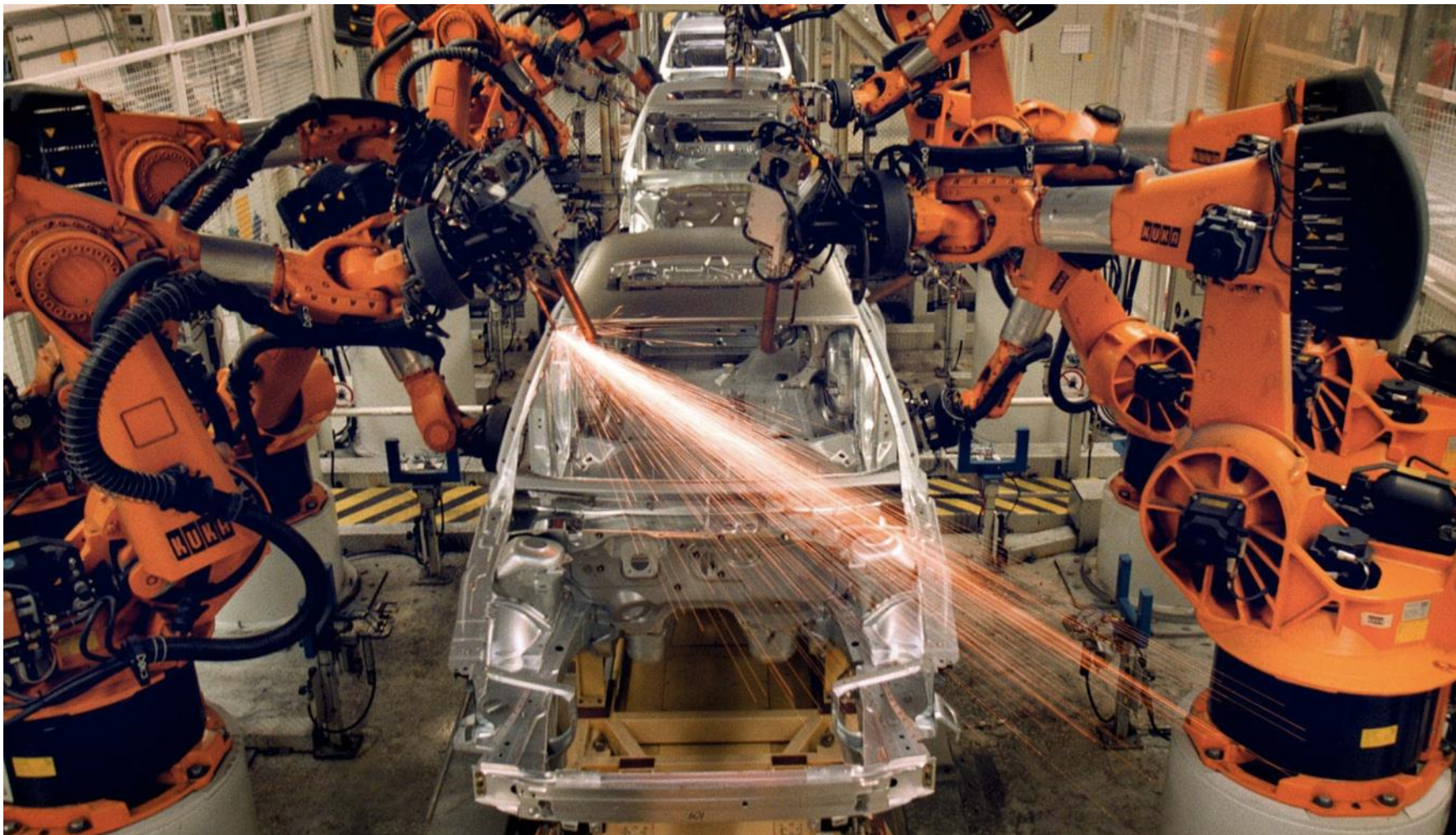
School of Management

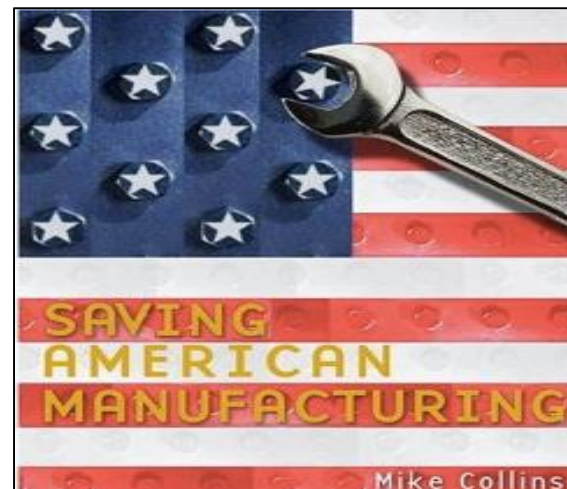
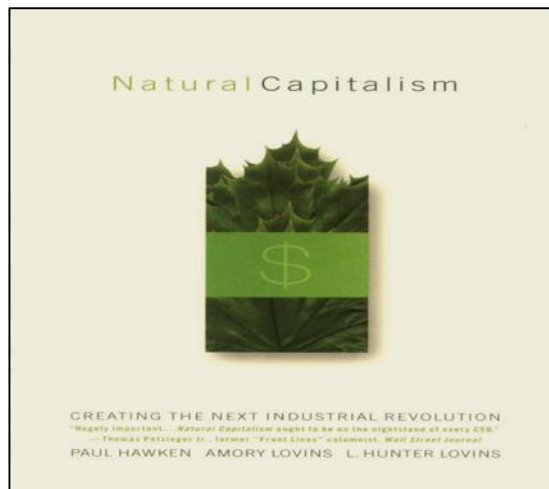


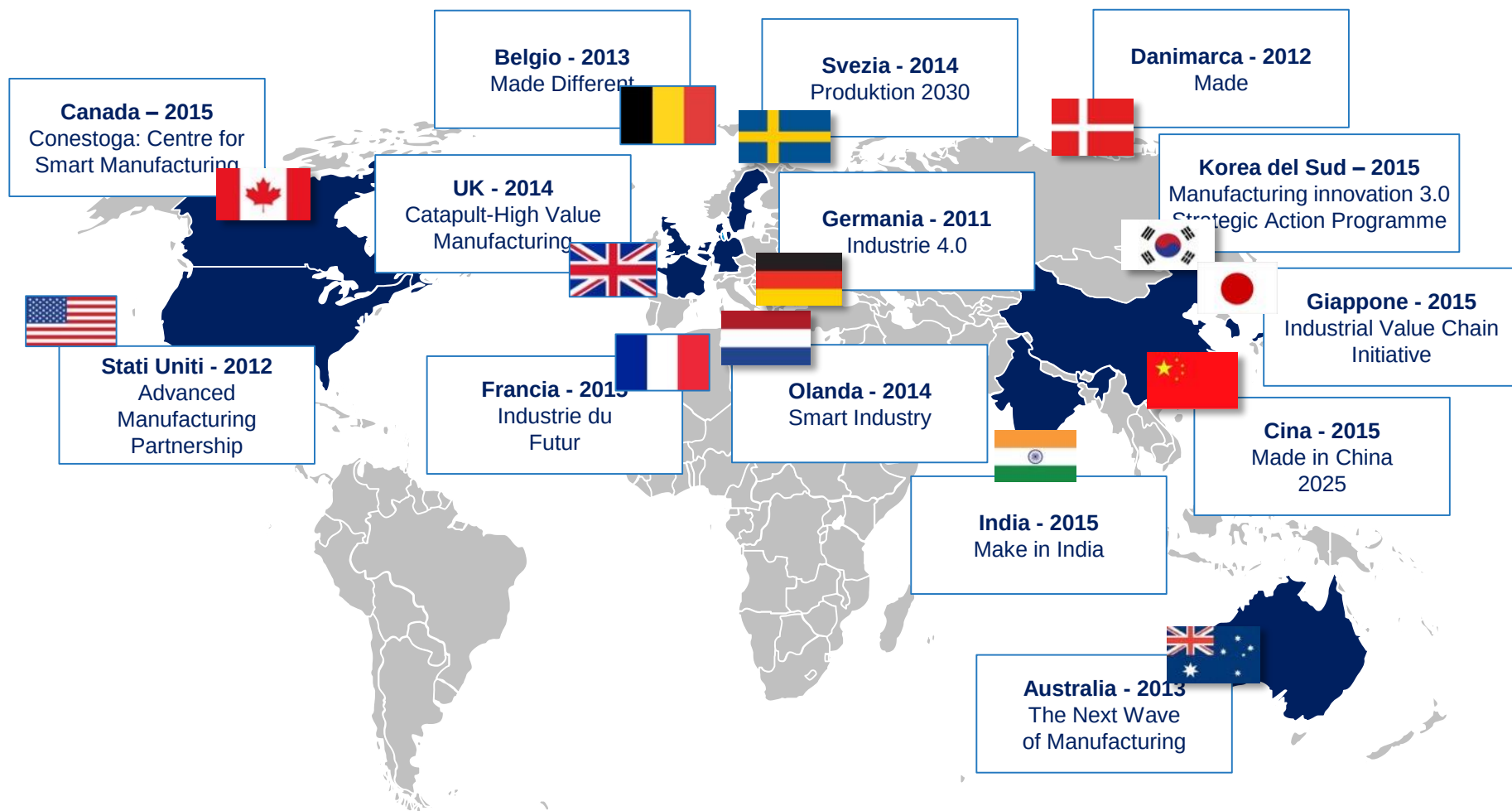


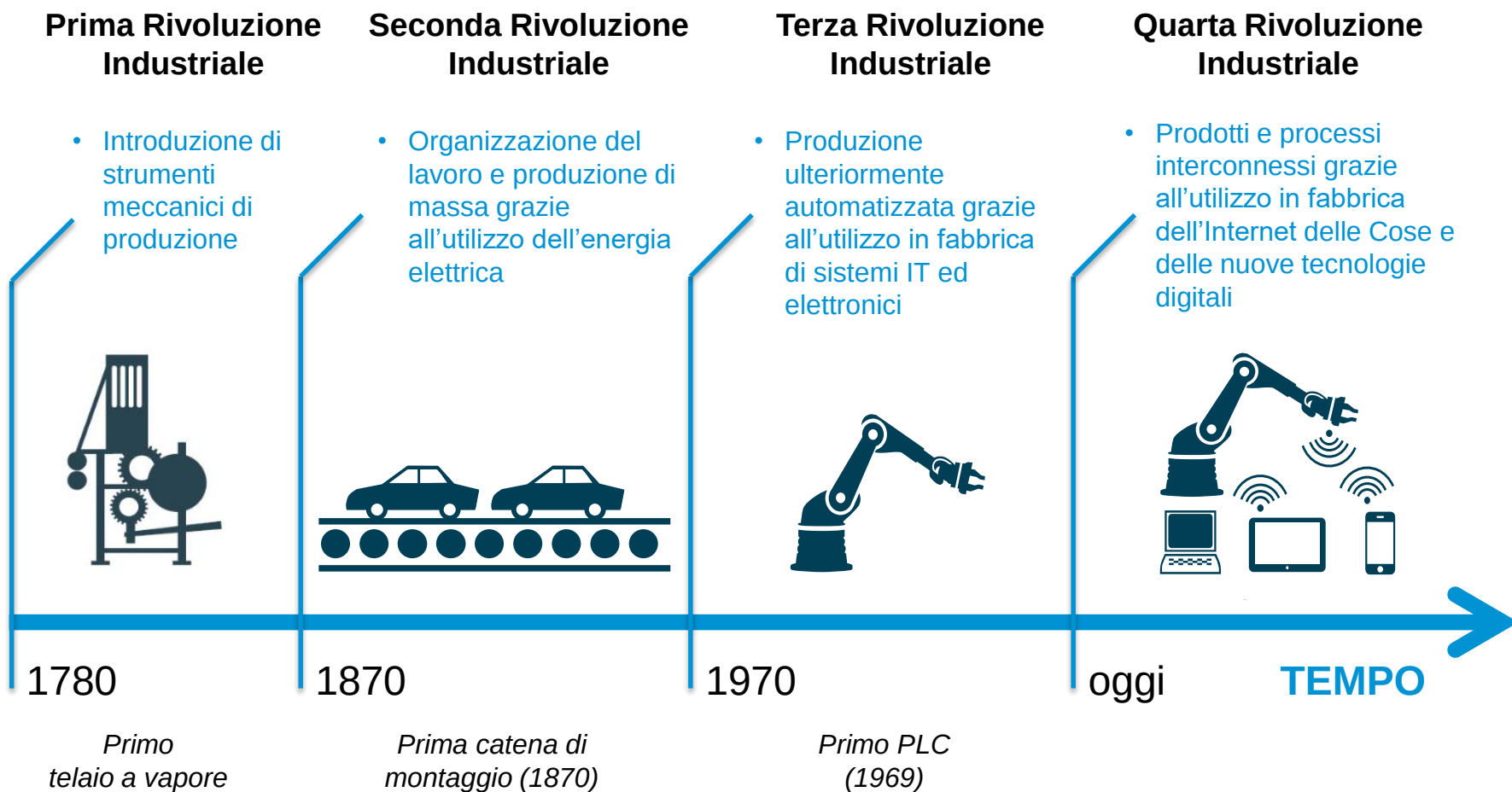












PSA PEUGEOT CITROËN



Intelligent Systems Wearable Technology

Smart Factory Cloud Cyber Physical IPv6 Bluetooth

Industrial Big Data Computing Systems

Internet Wi-Fi Additive NFC Distributed Architecture RFID

Wireless Sensor Manufacturing Visors Information Systems

Networks Mobile Devices

Cloud Machine to Advanced Automation

Smart Machine Service Oriented Virtualization

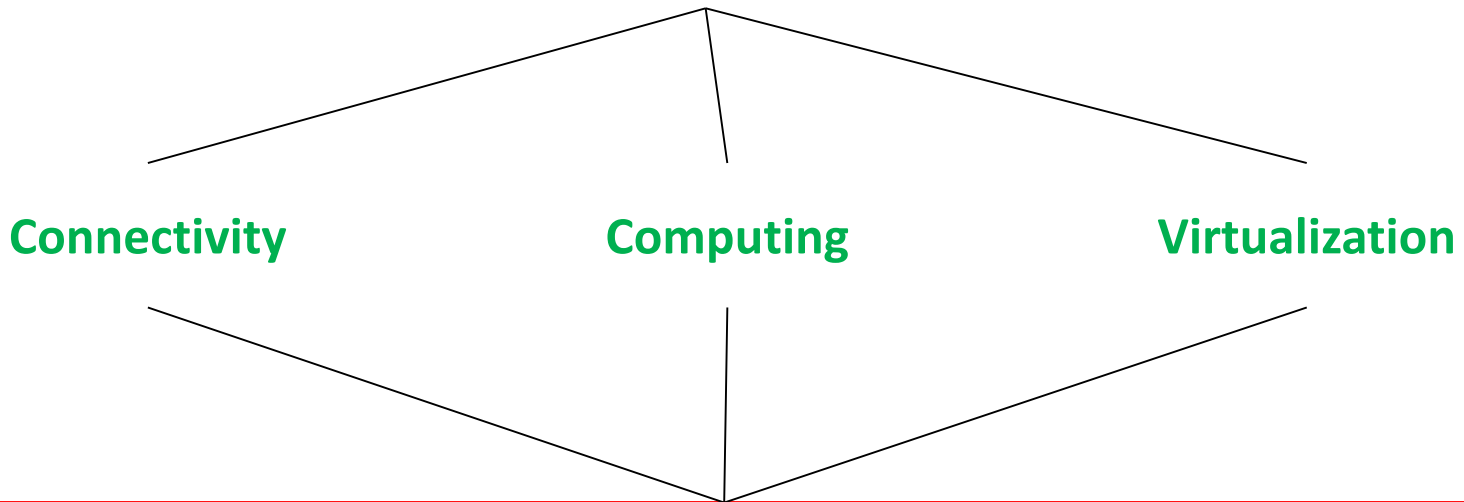
Objects HMI Architecture Augmented Actuators

Smart Sensors Reality Simulation

Industry 4.0 Smart Manufacturing Internet of Things

Robots Virtual Reality Digital Factory 3D printing

IT (r-)evolution



Internet of Things

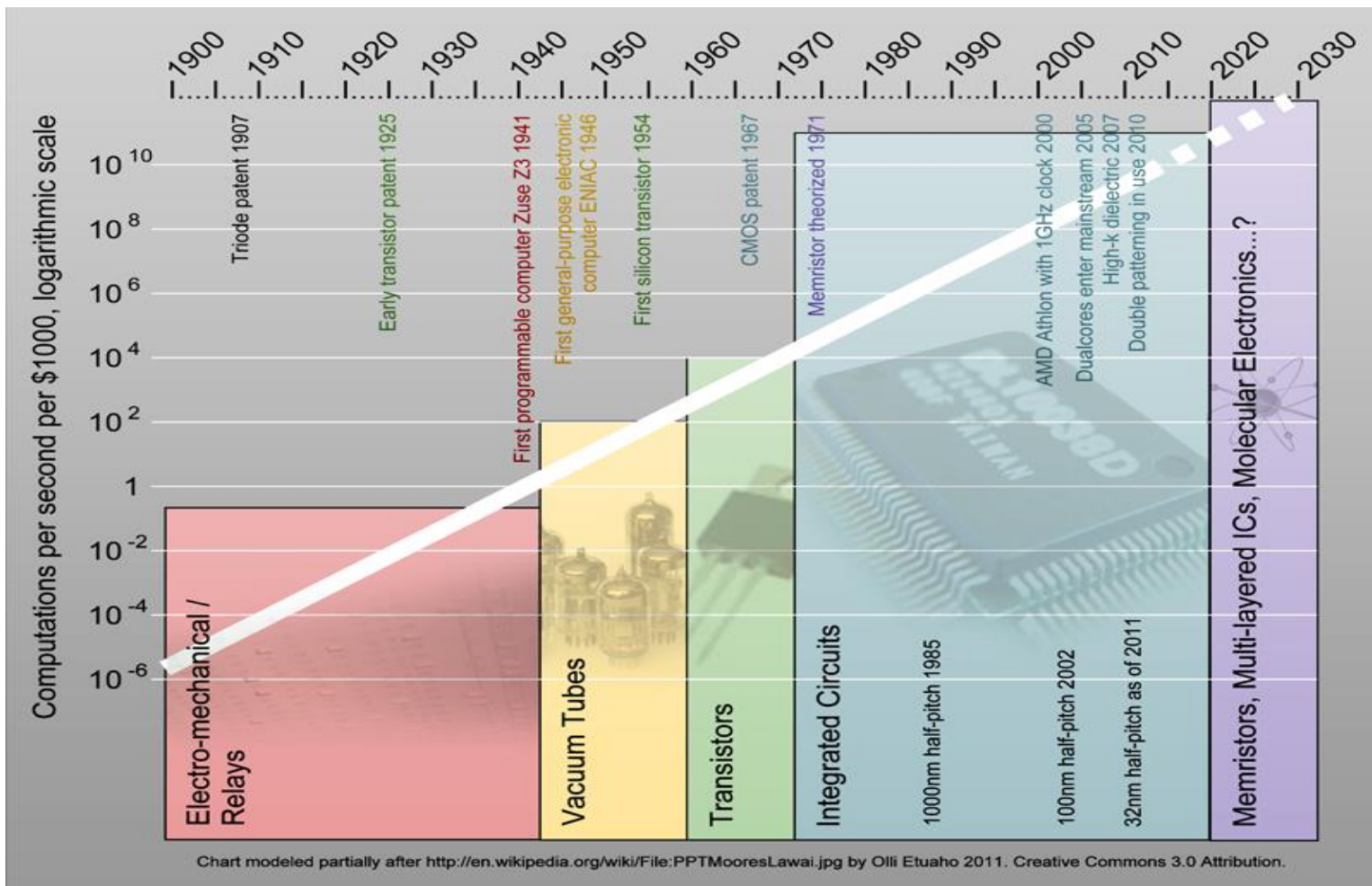
Cloud

*High Performance
Computing*

Big Data

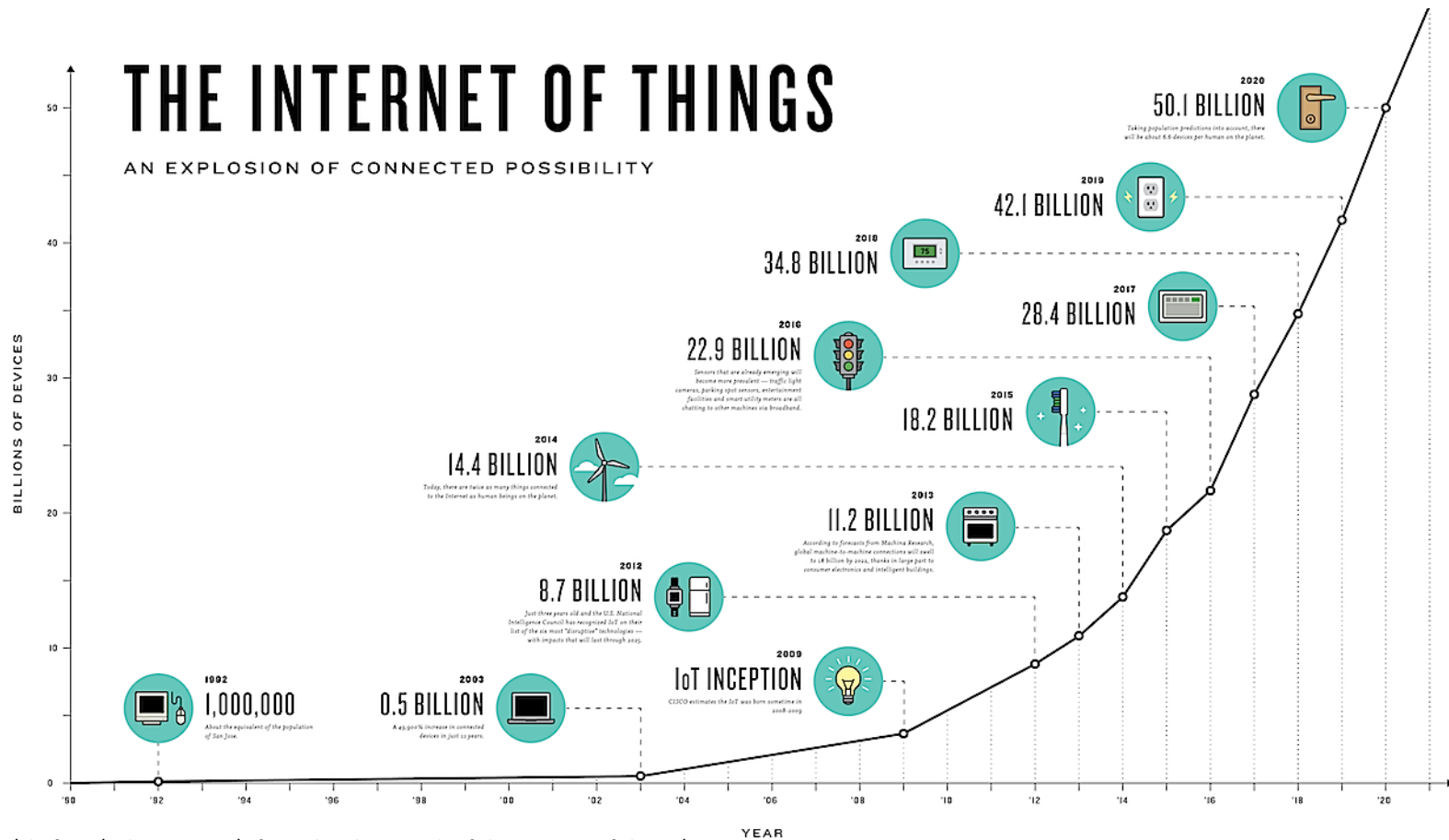
*Virtual & Augmented
Reality*

*Human Machine
Interaction & Interface*

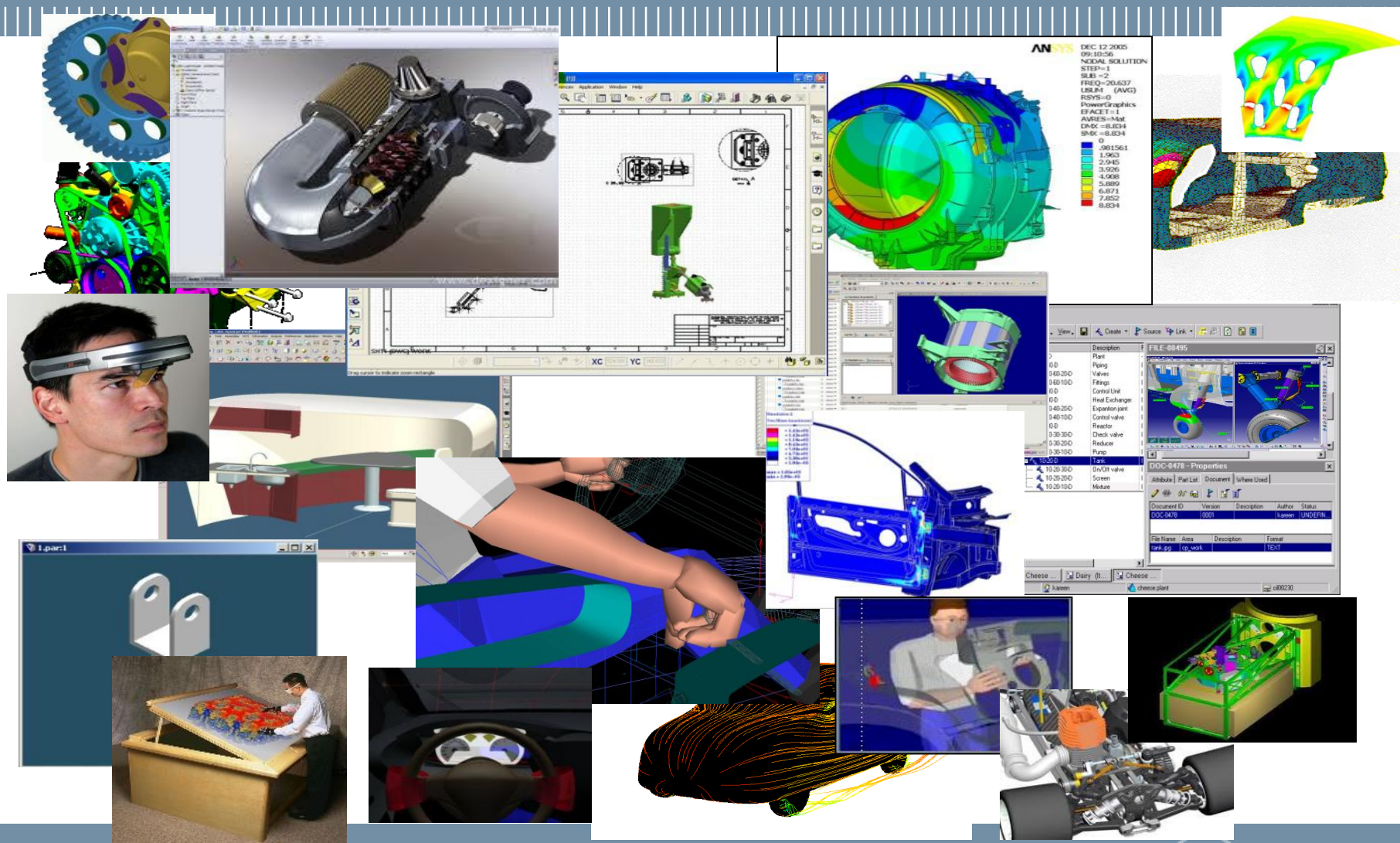


THE INTERNET OF THINGS

AN EXPLOSION OF CONNECTED POSSIBILITY



www.ncta.com/platform/industry-news/infographic-the-growth-of-the-internet-of-things/



*L'espressione **Smart Manufacturing** esprime una **visione del futuro** secondo cui le imprese industriali e manifatturiere, grazie alle **tecnologie digitali**, aumenteranno la propria **competitività** grazie alla maggiore **interconnessione** delle proprie risorse (**impianti, persone, informazioni**), siano interne alla Fabbrica sia distribuite lungo la catena del valore.*

[Osservatorio Smart Manufacturing, Politecnico di Milano, 2015]

PARTNER



KEY2PEOPLE EXECUTIVE SEARCH



SPONSOR



CON IL PATROCINIO DI



**SMART MANUFACTURING
TECHNOLOGIES**



**Industrial
Internet of Things**



**Industrial
Analytics**



**Cloud
Manufacturing**



**Advanced
Human-Machine
Interface**



**Advanced
Automation**



**Additive
Manufacturing**

Information Technology

Operational Technology

**SMART MANUFACTURING
TECHNOLOGIES**



**Industrial
Internet of Things**



**Advanced
Human-Machine
Interface**



**Industrial
Analytics**



**Advanced
Automation**



**Cloud
Manufacturing**



**Additive
Manufacturing**



Design & Engineering



Operations

SMART MANUFACTURING TECHNOLOGIES



**Industrial
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**Industrial
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**Cloud
Manufacturing**



**Advanced
Human-Machine
Interface**



**Advanced
Automation**



**Additive
Manufacturing**



SOLUZIONI IT TRADIZIONALI

- CAD/CAM
- Computer Aided Engineering (CFD, FEM)
- Product Data Management
- Product Lifecycle Management

- Warehouse Management System
- Manufacturing Execution System
- Advanced Planning Systems
- Computerized Maintenance Management Systems
- Governance Risk and Compliance

2015



Cloud
Manufacturing



Industrial
Analytics



Industrial
IoT



Advanced
HMI



Advanced Automation



Additive Manufacturing

New Product
Development

Product
Lifecycle
management

Suppliers
Relationship
Management

Production &
Distribution
Planning

Supply Chain
Event
Management

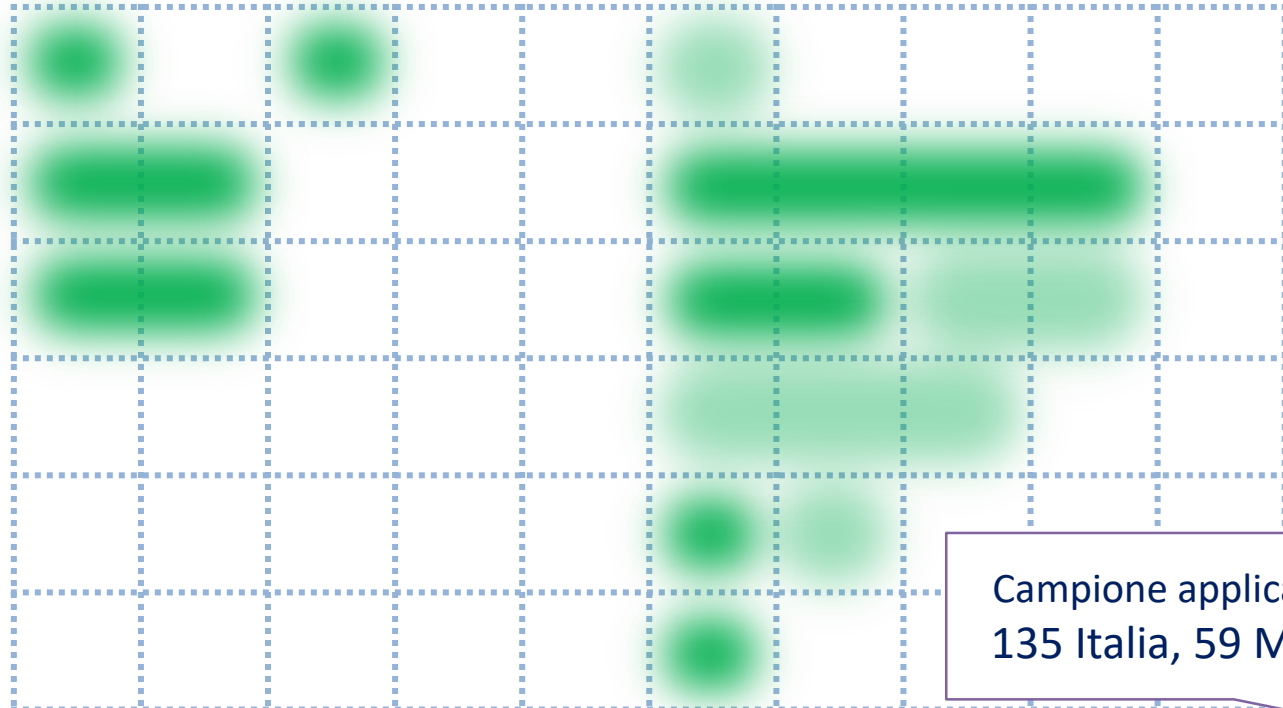
Production
Management

Logistics
Management

Maintenance
Management

Quality
Management

Safety &
Compliance



Campione applicazioni:
135 Italia, 59 Mondo

2015



Cloud
Manufacturing



Industrial
Analytics



Industrial
IoT



Advanced
HMI



Advanced Automation

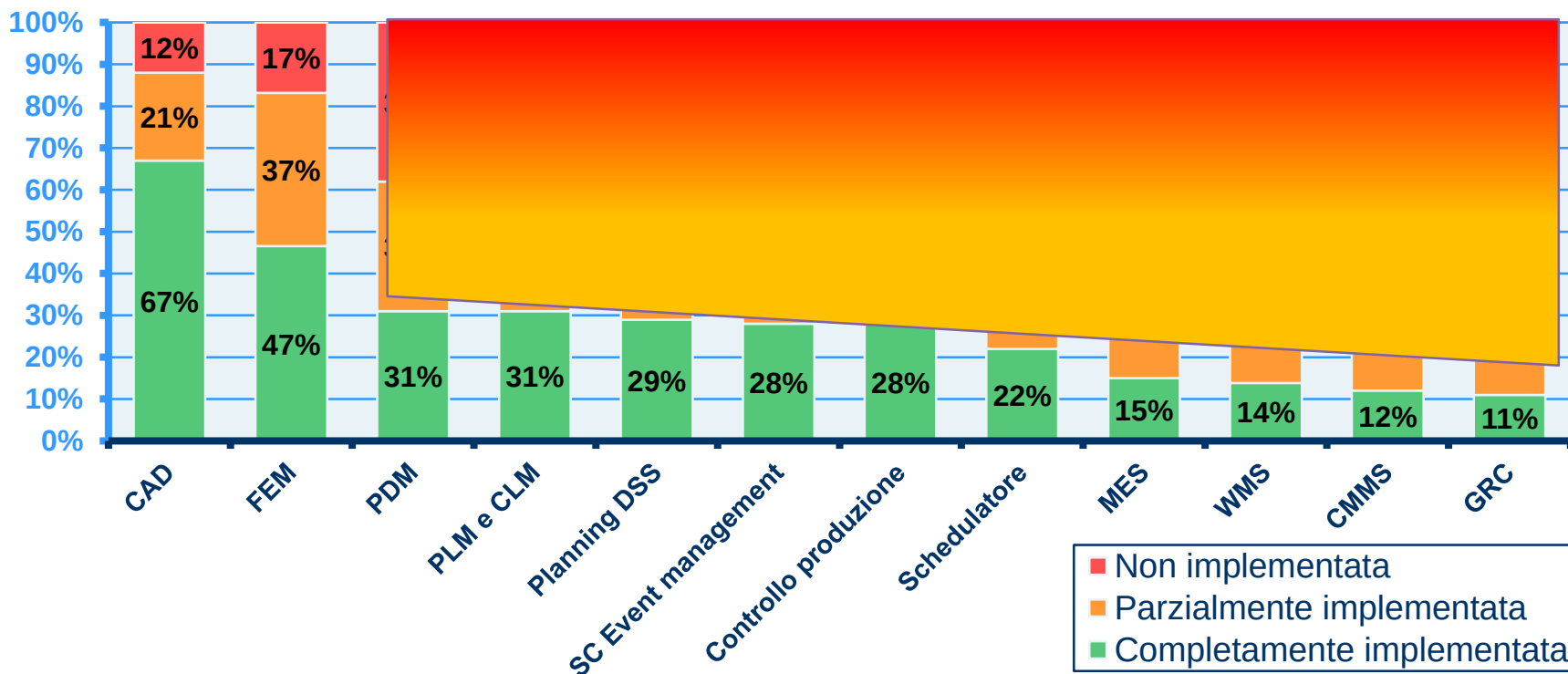


Additive Manufacturing

New Product Development	Product Lifecycle management	Suppliers Relationship Management	Production & Distribution Planning	Supply Chain Event Management	Production Management	Logistics Management	Maintenance Management	Quality Management	Safety & Compliance
Green	Red	Green	Red		Green				
Green	Green		Red		Green	Green	Green		
Green	Green		Red	Red	Green	Green	Green	Green	Red
Red					Green	Green	Green	Red	Red
					Red	Green			
					Red				

Campione applicazioni:
176 Italia, 154 Mondo

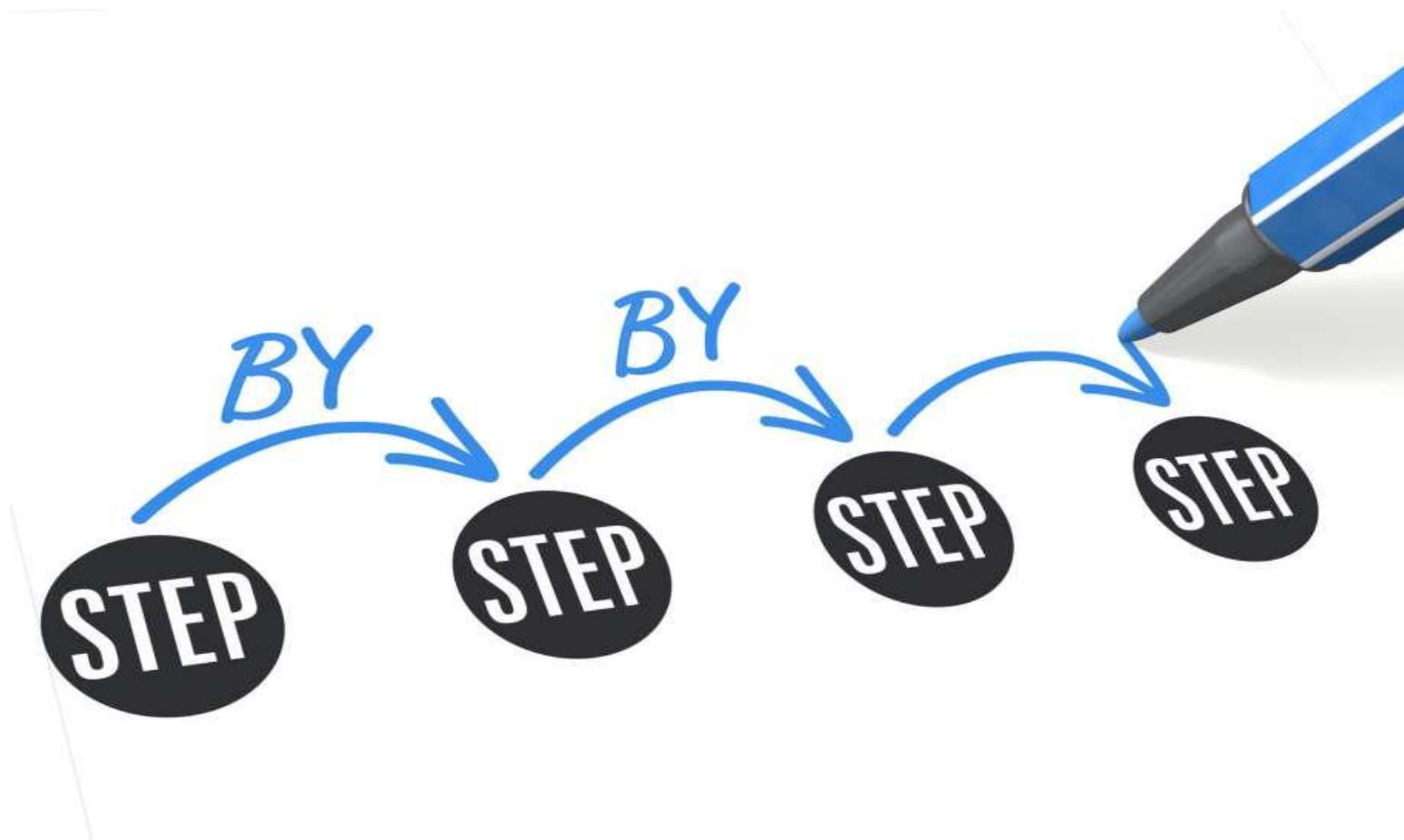
330



*Campione: 289 aziende (media)











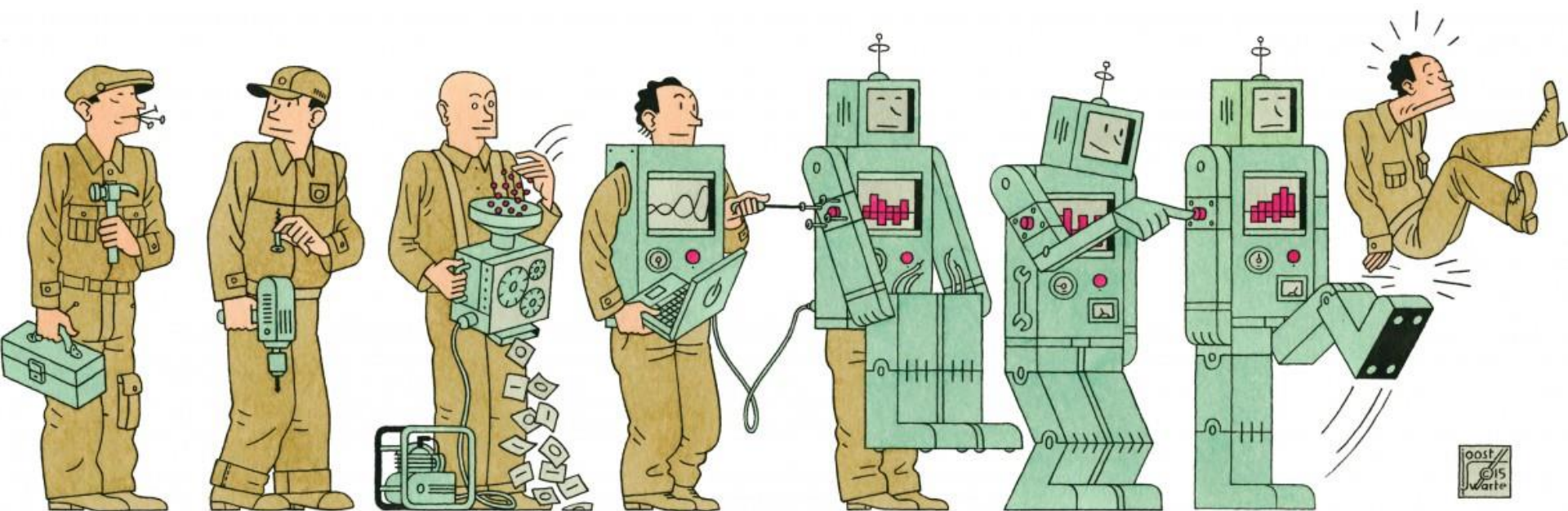


Produttività Tempestività

Qualità Costo Tempo

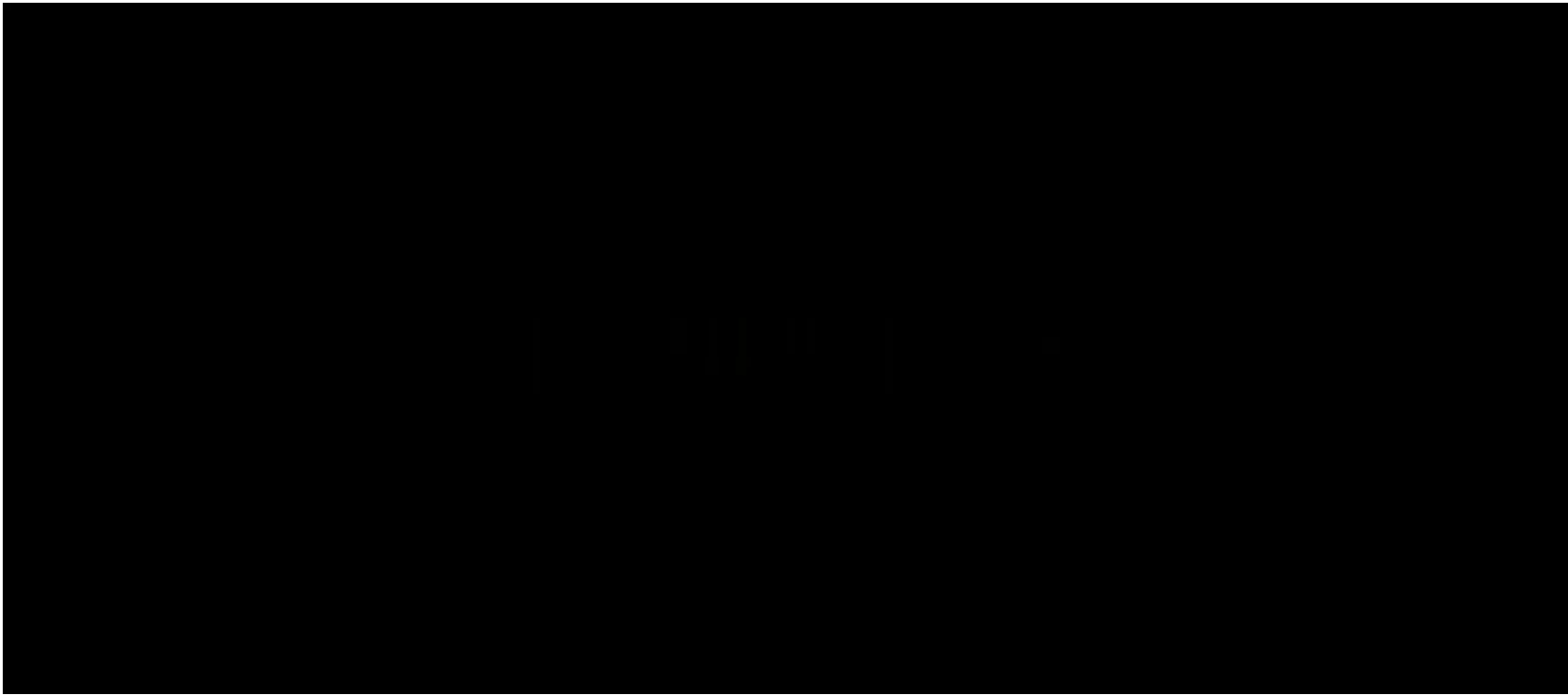


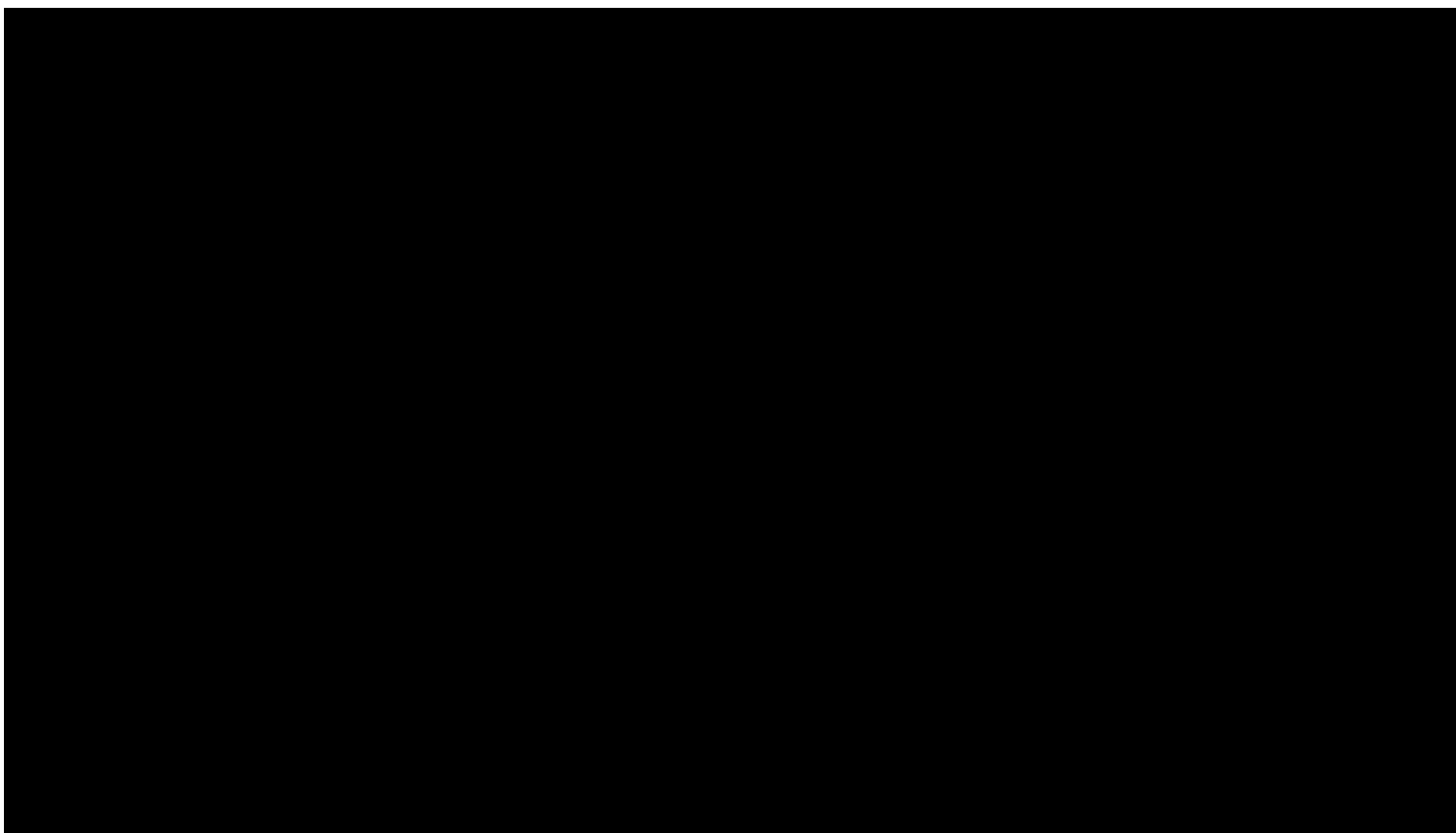
Mantenimento / incremento della posizione competitiva











Disclaimer

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