



Roma, 22 Febbraio 2019

 **THPE**



COXA



/ Mission

/ Profile

/ Business model

/ Facts

/ Certifications

/ Partners

/ Customers

“La nostra *Mission* è fornire Ingegneria, Progetti e Prodotti di eccellenza

ai nostri clienti dei settori Automotive, Motorsport, Off Highway, Automazione e Difesa.”

*“Our Mission is to provide Engineering, Projects and Products
to our Automotive, Motorsport, Off Highway, Automation Solutions and Defence customers.”*

Mission

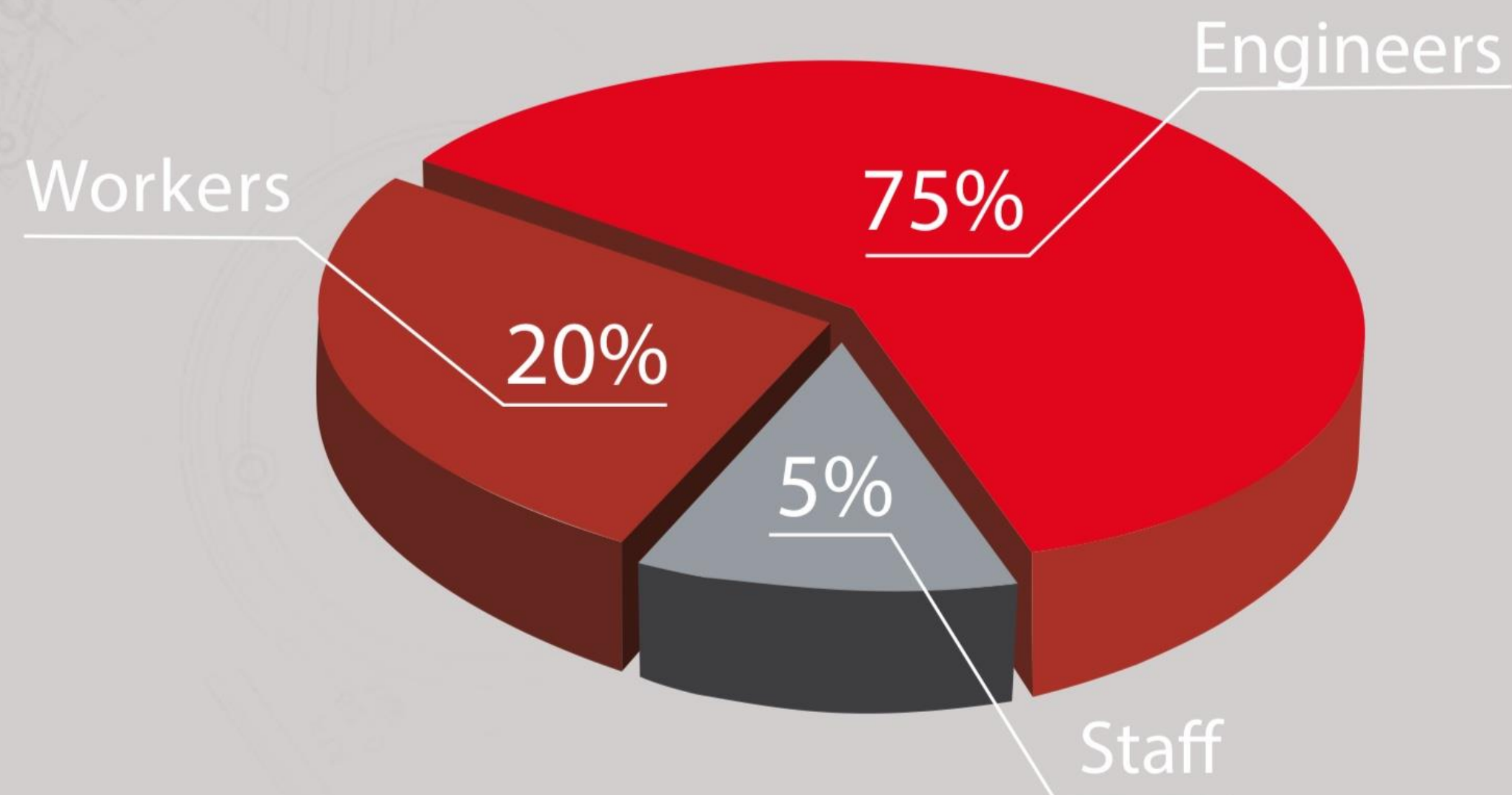
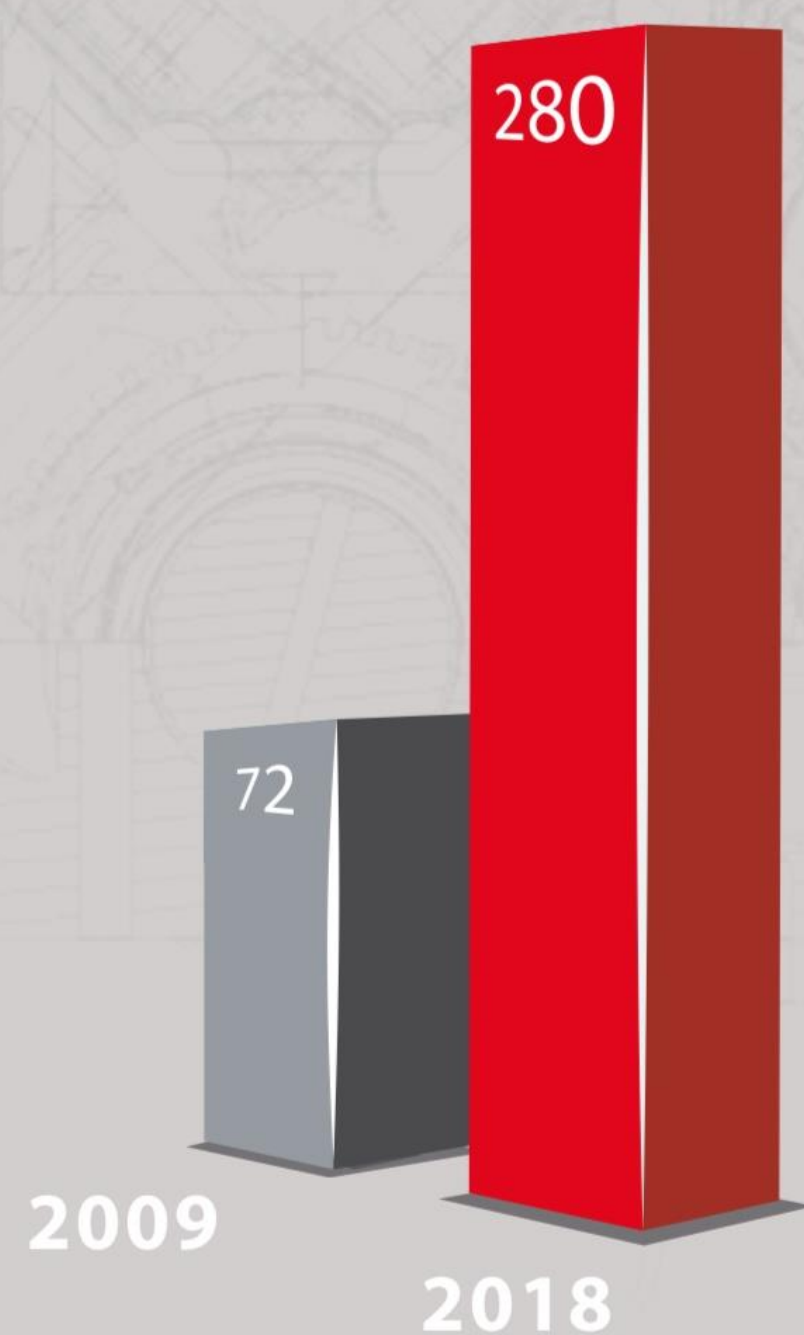
CONFIDENTIAL

Resources

HPE COXA employs 280 people

Overall Graduates Ratio

75%



average age 35 years old

>150 young graduates hired since 2011

Facts



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AVL



ZEISS



SANDVIK

Industry 4.0
Live Connected Factory

accenture

DMG MORI



VERICUT

Partners

CONFIDENTIAL



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Customers

CONFIDENTIAL



“L'intelligenza non consiste soltanto nella conoscenza, ma anche nella capacità di applicare la conoscenza alla pratica.”

ARISTOTELE

<i>Digital Manufact.</i>	<i>3 D Printing</i>	<i>Big Data</i>	<i>Circular Economy</i>	<i>Open Innovation</i>

Industry 4.0

Applicazioni in
HPECOXA

2015-2018 Plan

*Digital
Manufact.*

*3 D
Printing*

Big Data

*Circular
Economy*

*Open
Innovation*

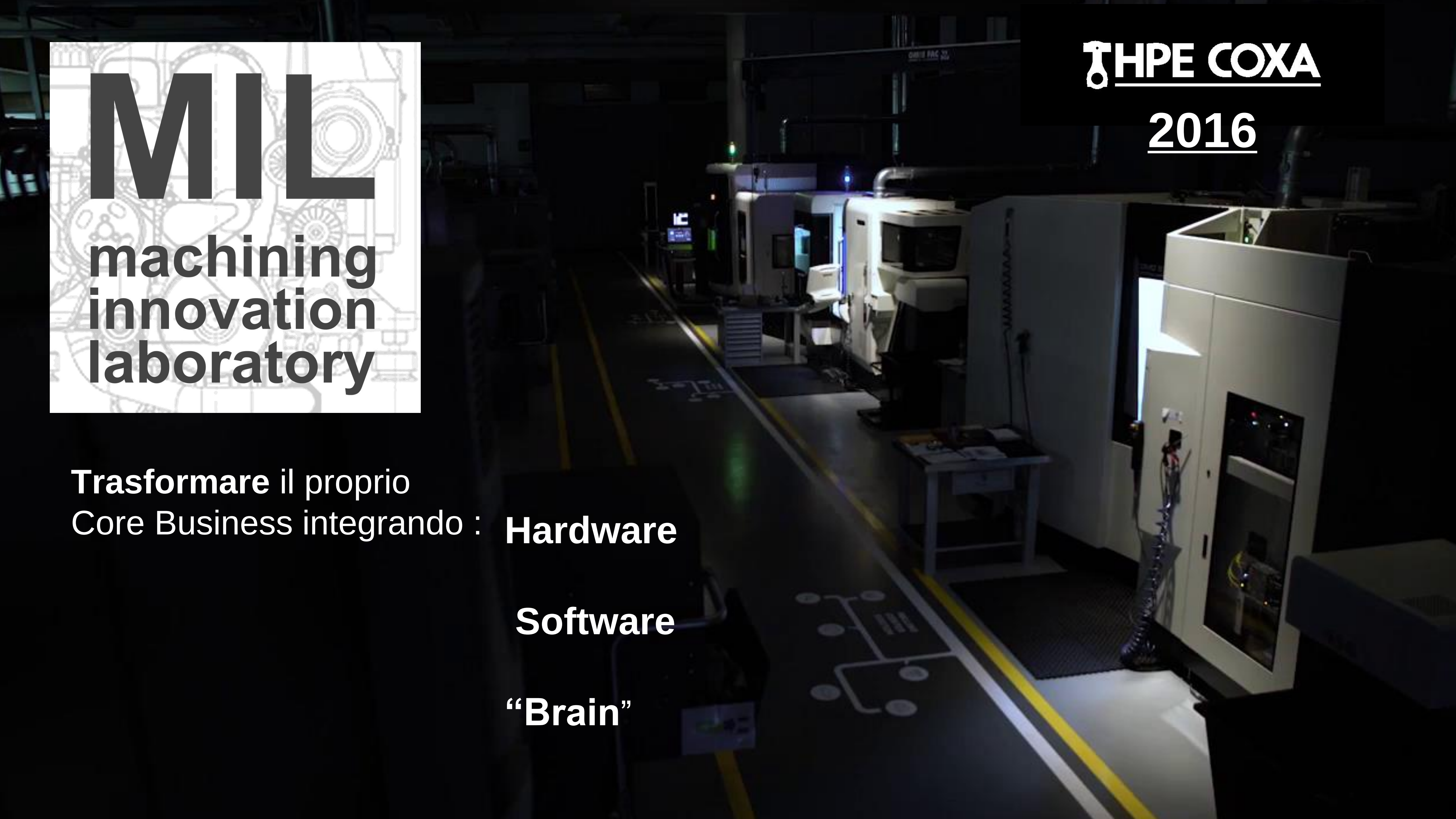
Industry 4.0

MIL
Machining
Innovation
Laboratory



Applicazioni in
HPECOXA

2015-2018 Plan



MIL

**machining
innovation
laboratory**

THPE COXA

2016

**Trasformare il proprio
Core Business integrando : Hardware**

Software

“Brain”

*Digital
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Industry 4.0

MIL
Machining
Innovation
Laboratory

**Simulation
Engineering
Dept**

2015-2018

Applicazioni in
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THPE COXA

280 PERSONE

220 INGEGNERI

150 NEOLAUREATI

50 ingegneri Calcolisti

*Digital
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Industry 4.0

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**Engine
Testing
Dept**

2015-2018

**Simulation
Engineering
Dept**

Applicazioni in
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3 CELLE TESTING MOTORE

13 MIO € DI INVESTIMENTO

17 persone

11 ingegneri

2 stage/anno

2 tesisti /anno



*Digital
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Industry 4.0

MIL
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Laboratory



Metal Additive
R&D Center

2017

Engine
Testing
Dept

Simulation
Engineering
Dept

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2015-2018 Plan

2017



3D PRINTER METAL
ADDITIVE e
LASER CLADDING

8 MIO € di
Investimento

1 Direttore Scientifico
15 ingegneri
4 tesisti
2 dottorati

*Digital
Manufact.*

*3 D
Printing*

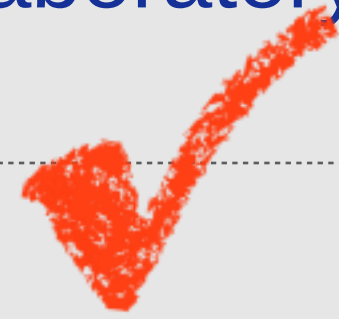
Big Data

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Industry 4.0

MIL
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Laboratory



DMGMORI
Consulting
Project

2018

Metal Additive
R&D Center

Engine
Testing
Dept

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Engineering
Dept

Applicazioni in
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2015-2018 Plan

NEW TECH PROFILES

Since HPE COXA Mission is to dominate technology a unique job profile has been created :

AME **Advanced Manufacturing Engineer**

The reason why is: whatever use of technology can be better exploited by an engineer than an operator, creating a competitive advantage

The value AME creates is to boost product development using an engineered approach and become a reference as a tech consultant for the technology providers



<i>Digital Manufact.</i>	<i>3 D Printing</i>	<i>Big Data</i>	<i>Circular Economy</i>	<i>Open Innovation</i>
MIL Machining Innovation Laboratory	Metal Additive R&D Center	Engine Testing Dept		
DMGMORI Consulting Project		Simulation Engineering Dept		
 2018 Digital Manufacturing INNOVATION CENTER				

Industry 4.0

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HPECOXA

2015-2018 Plan

- **Connettere** gli impianti per aumentare l'efficienza (OEE/TTM/LE)
- Utilizzare i **BIG DATA** come base per la creazione di analisi in tempo reale e per il supporto decisionale
- **Innovare** il proprio Modello di Business
- Creare **Forza Lavoro** preparata al digitale
- Creare **ECO SISTEMI APERTI** per ottenere innovazione e competenze
- **Bilanciare** continuamente gli investimenti tra Core e Nuovi Business

HPE COXA

2018



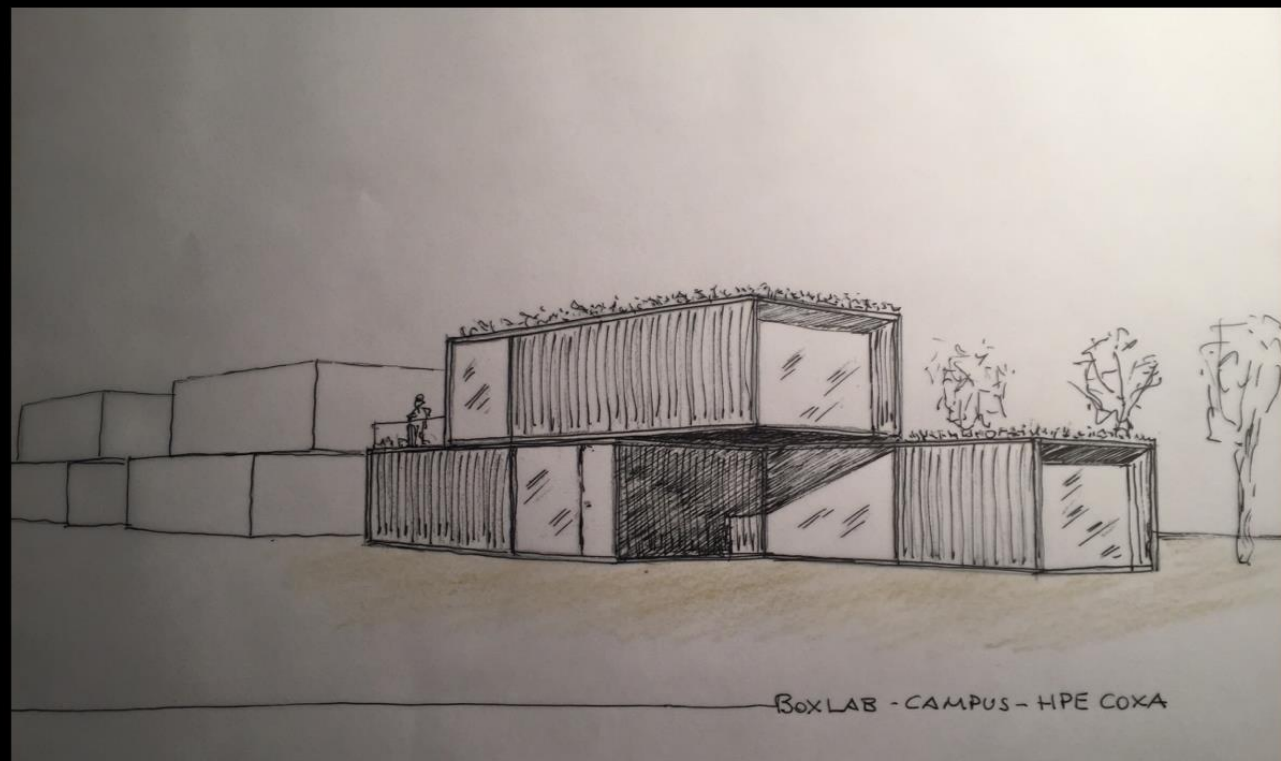
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Digital Manufacturing INNOVATION CENTER				

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Applicazioni in
HPECOXA

2015-2018 Plan

Box Lab & *Project*¹⁰⁰



Un modello relazionale sostenibile

Università e Aziende crescono assieme



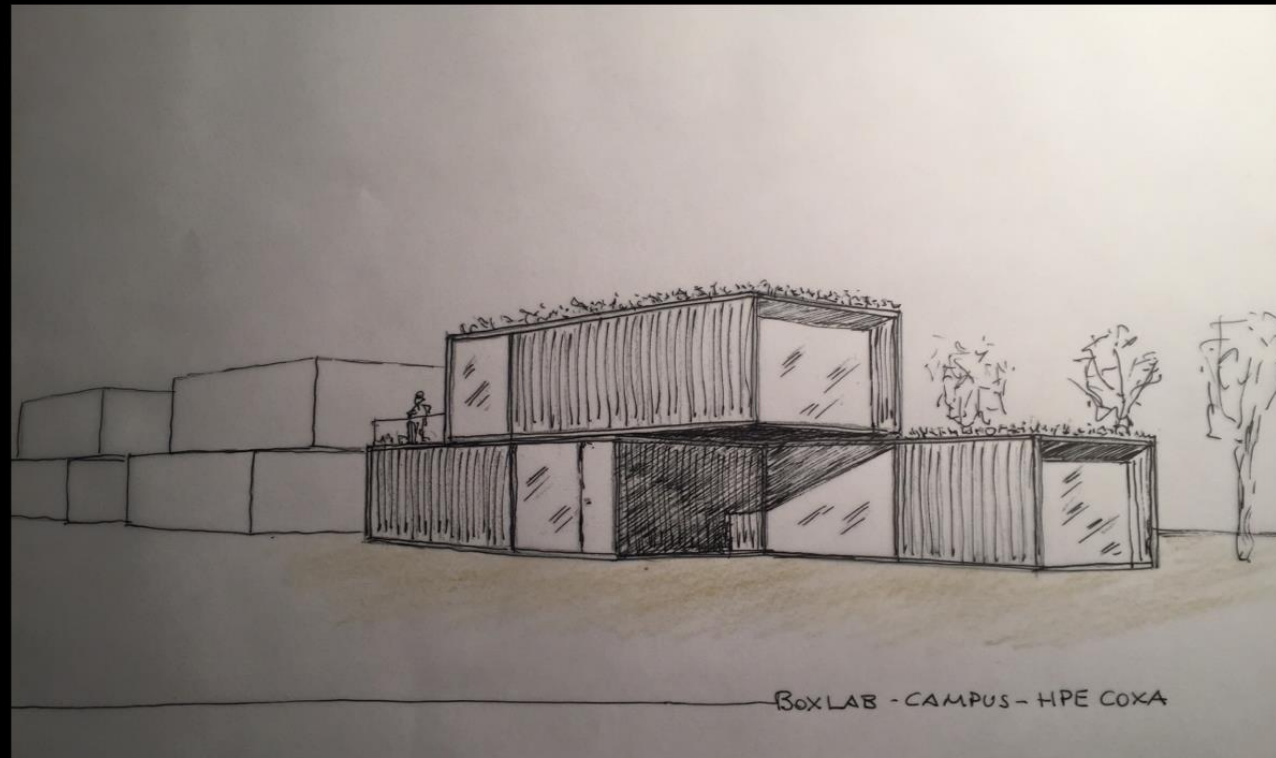
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Digital Manufacturing INNOVATION CENTER				

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Box Lab & Project ¹⁰⁰

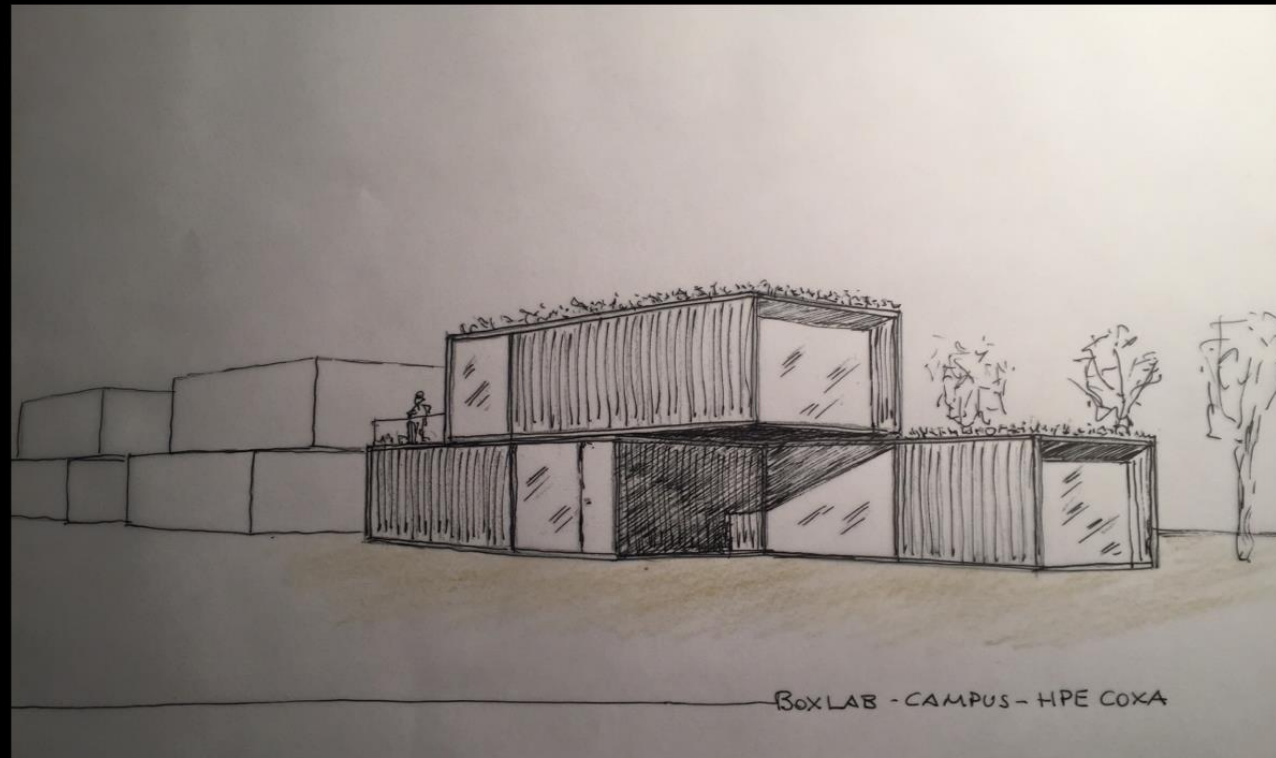


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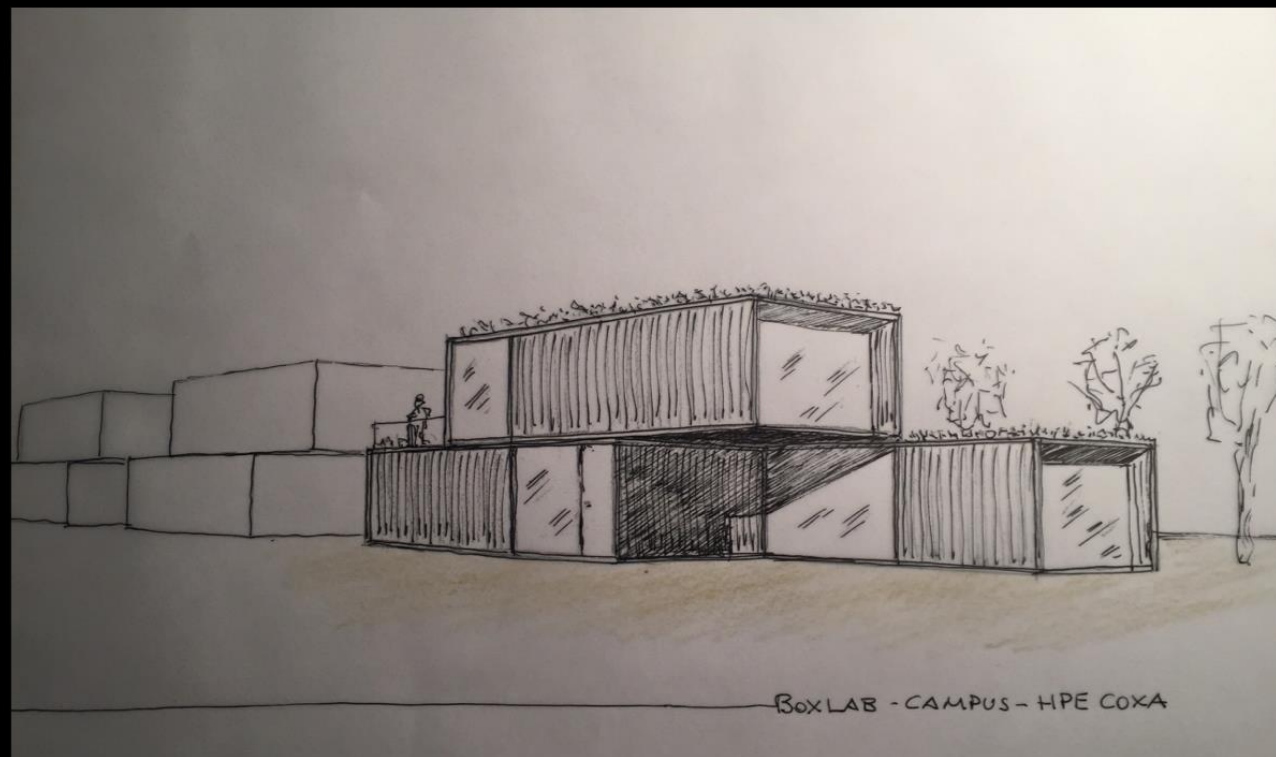
Box Lab & *Project* ¹⁰⁰



Un modello relazionale sostenibile
Università e Aziende crescono assieme



Box Lab & *Project*¹⁰⁰



Un modello relazionale sostenibile

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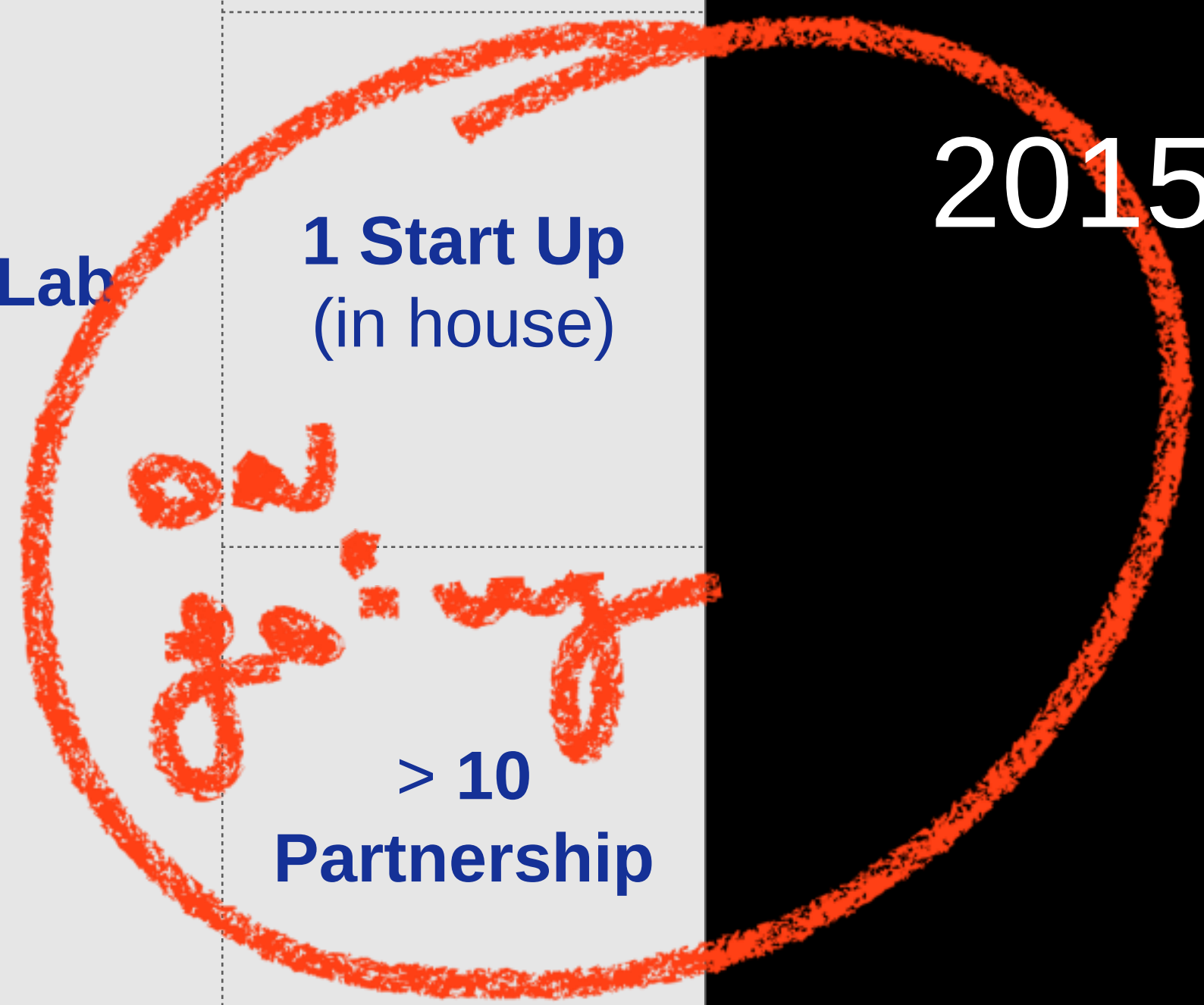


Digital Manufact.	3 D Printing	Big Data	Circular Economy	Open Innovation
MIL Machining Innovation Laboratory	Metal Additive R&D Center	Engine Testing Dept	Box Lab	5 Università (in house)
DMGMORI Consulting Project		Simulation Engineering Dept		1 Start Up (in house)
Digital Manufacturing INNOVATION CENTER				> 10 Partnership

Industry 4.0

Applicazioni in
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Le Aziende dall'Università ricercano

- **Formare giovani talenti**
- **Capacità d'integrazione con le aziende**
- **Possedere aree di eccellenza riconosciute anche a livello internazionale**



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