



Le nuove competenze per l'Industria 4.0

Prof. Sergio Terzi



POLITECNICO
MILANO 1863



www.industry40lab.org



www.som-polimi.it



www.made-cc.eu

Prof. Dr. Sergio Terzi

Prof. Industrial Technologies and Production Systems
Manufacturing Group – School of Management(SoM) Politecnico di Milano
Associate Dean MIP
Director Industry4.0 Lab
Delegate SoM @ MADE Competence Center I4.0
Co-founder MiraiTek 4.0 – Spin-off Politecnico di Milano

sergio.terzi@polimi.it

www.linkedin.com/in/sergioterzi/



www.miraitek.com





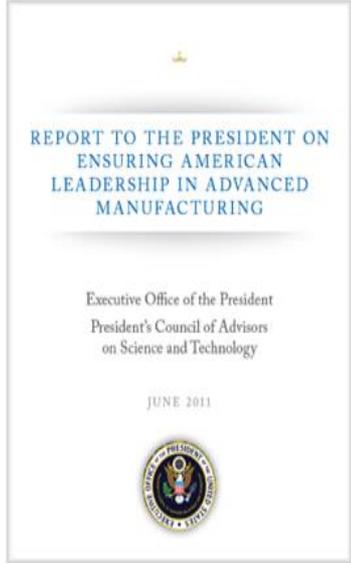
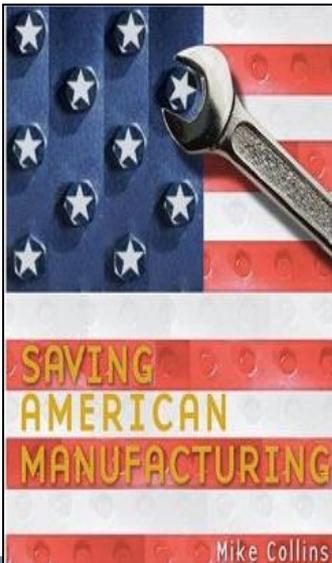
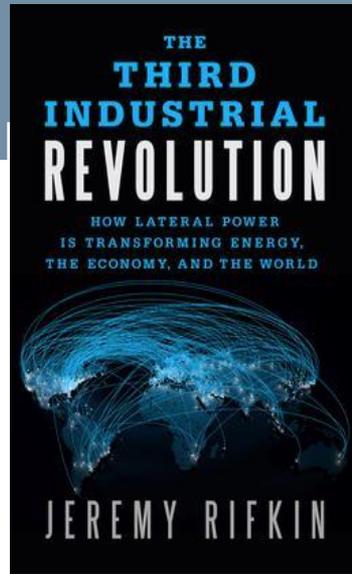
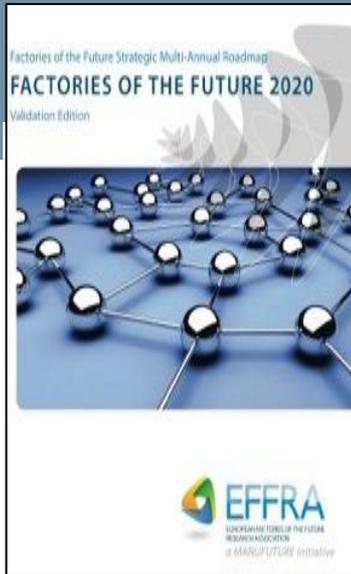
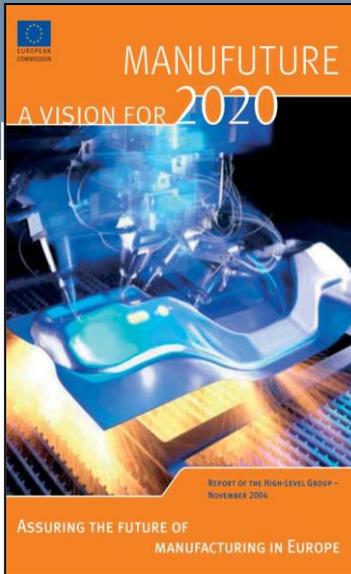
**The
Economist**

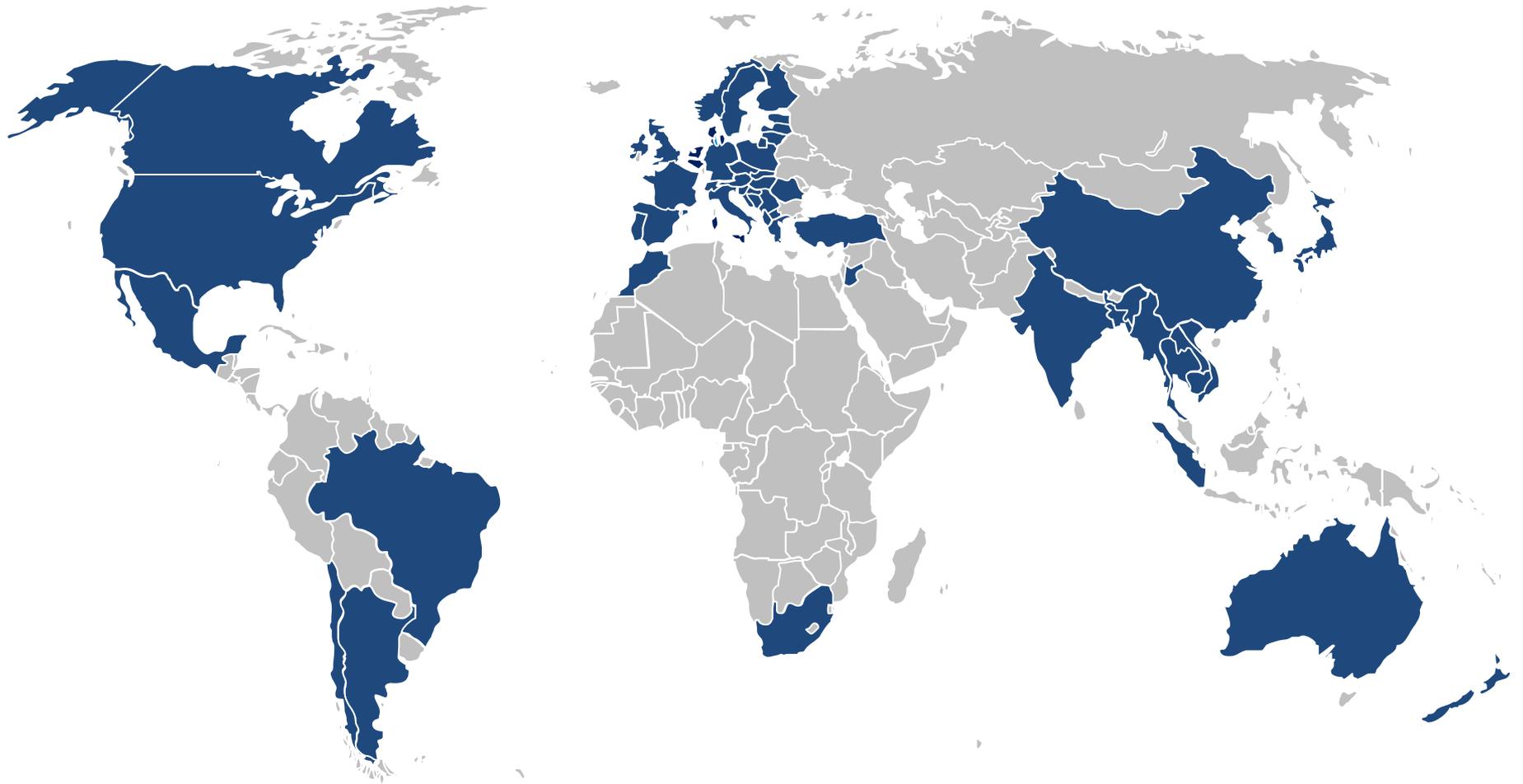
FEBRUARY 21ST 2015

Economist.com

How to stop the Taliban
Chaos in California
Saudi Arabia inches forward
Just not cricket: the Stanford saga
How cooking made us human

The collapse of manufacturing







2016-2018

2018-2020



2021



CAPITALE UMANO ↑

Aziende
12,190
Dimensione media
84.3

16%

TIMOROSI
7%

- Basso interesse in I4.0
- Bassa conoscenza di CPPS
- Alta potenzialità (culturali/tecnologiche)

TIMOROSI
7%

- Medio interesse in I4.0
- Media conoscenza di CPPS
- Alta potenzialità (culturali/tecnologiche)

DIGITAL CHAMPIONS
2%

- Alto interesse in I4.0
- Alta conoscenza di CPPS
- Alta potenzialità (culturali/tecnologiche)

Aziende
29,100
Dimensione media
47.0

39%

TIMOROSI
17%

- Basso interesse in I4.0
- Bassa conoscenza di CPPS
- Medie pot. (culturali/tecnologiche)

SENSIBILI
17%

- Medio interesse in I4.0
- Media conoscenza di CPPS
- Medie pot. (culturali/tecnologiche)

CORAGGIOSI
5%

- Alto interesse in I4.0
- Alta conoscenza di CPPS
- Medie pot. (culturali/tecnologiche)

Aziende
32,309
Dimensione media
45.0

45%

INDIFFERENTI
27%

- Basso interesse in I4.0
- Bassa conoscenza di CPPS
- Bassa potenzialità (culturale/tecnologica)

CORAGGIOSI
15%

- Medio interesse in I4.0
- Media conoscenza di CPPS
- Bassa potenzialità (culturale/tecnologica)

CORAGGIOSI
3%

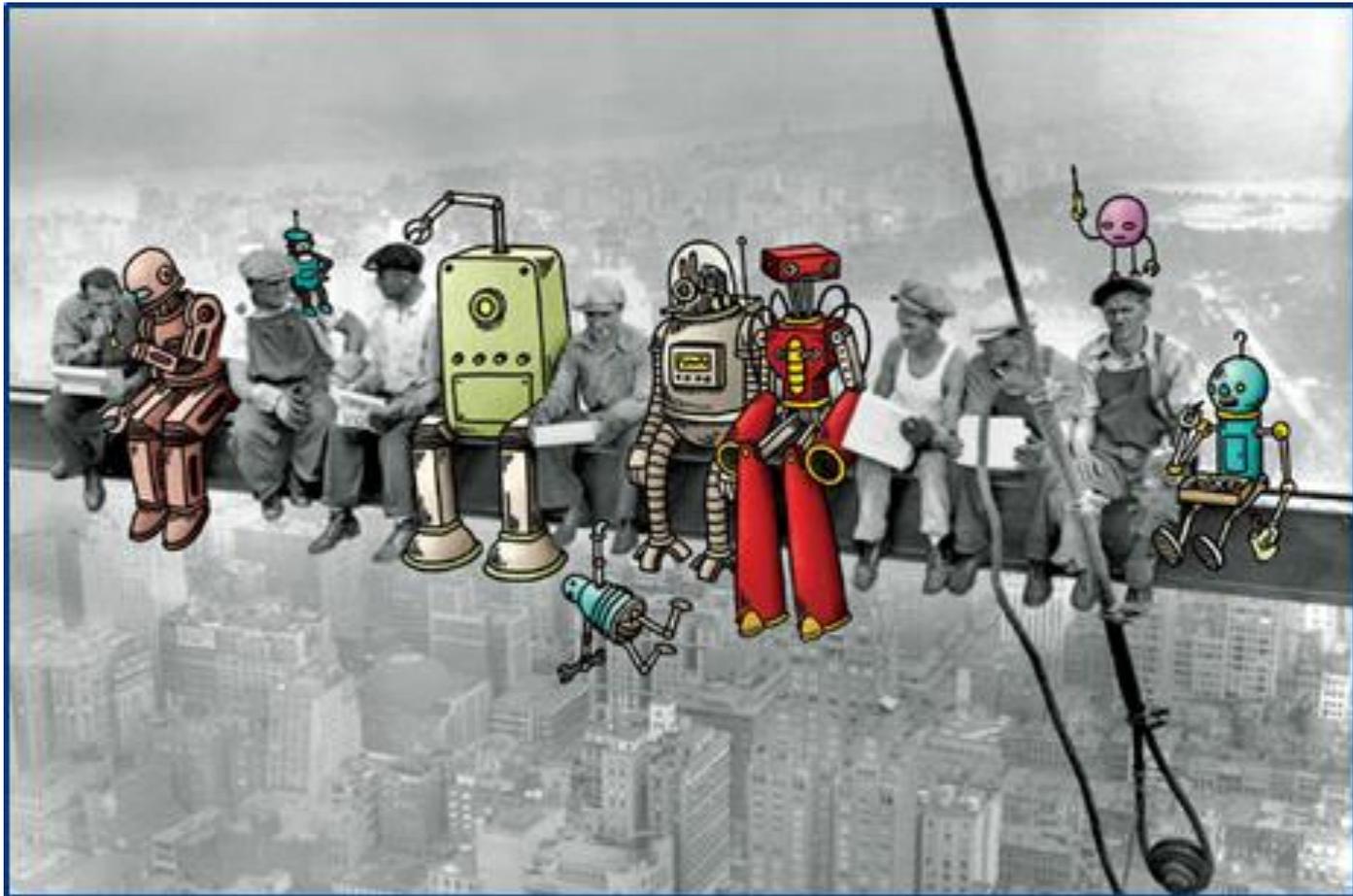
- Alto interesse in I4.0
- Alta conoscenza di CPPS
- Bassa potenzialità (culturale/tecnologica)

51%

39%

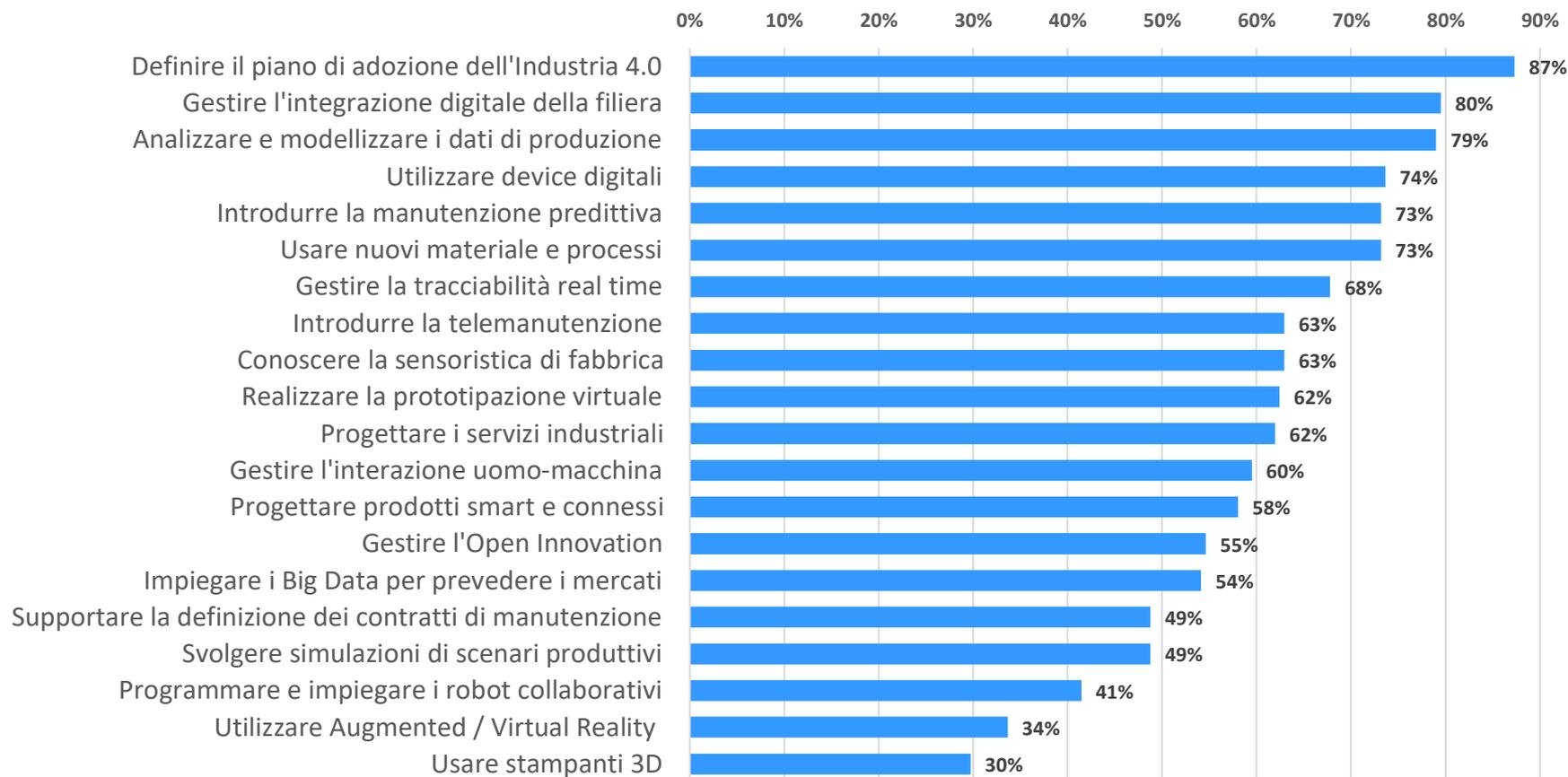
10%

LIVELLO DI MATURITÀ DIGITALE →



Le competenze per l'Industria 4.0

Le 20 Skills considerate importanti / molto importanti per l'Industria 4.0



Survey Osservatorio Industria 4.0 – 205 aziende

Le competenze per l'Industria 4.0

CxO / Entrepreneur 4.0



Manager 4.0

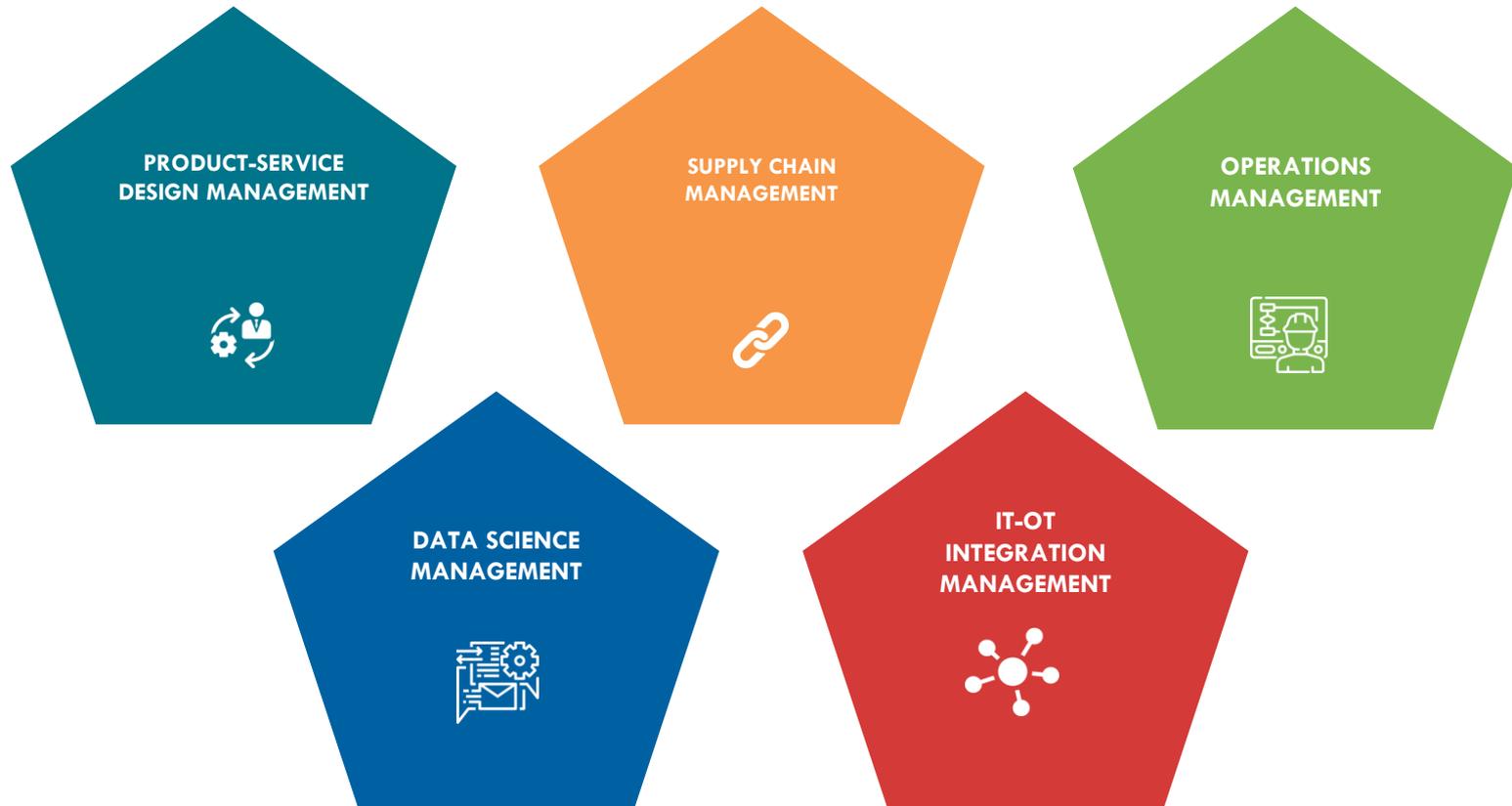


Operatori 4.0 – L'Operatore Aumentato

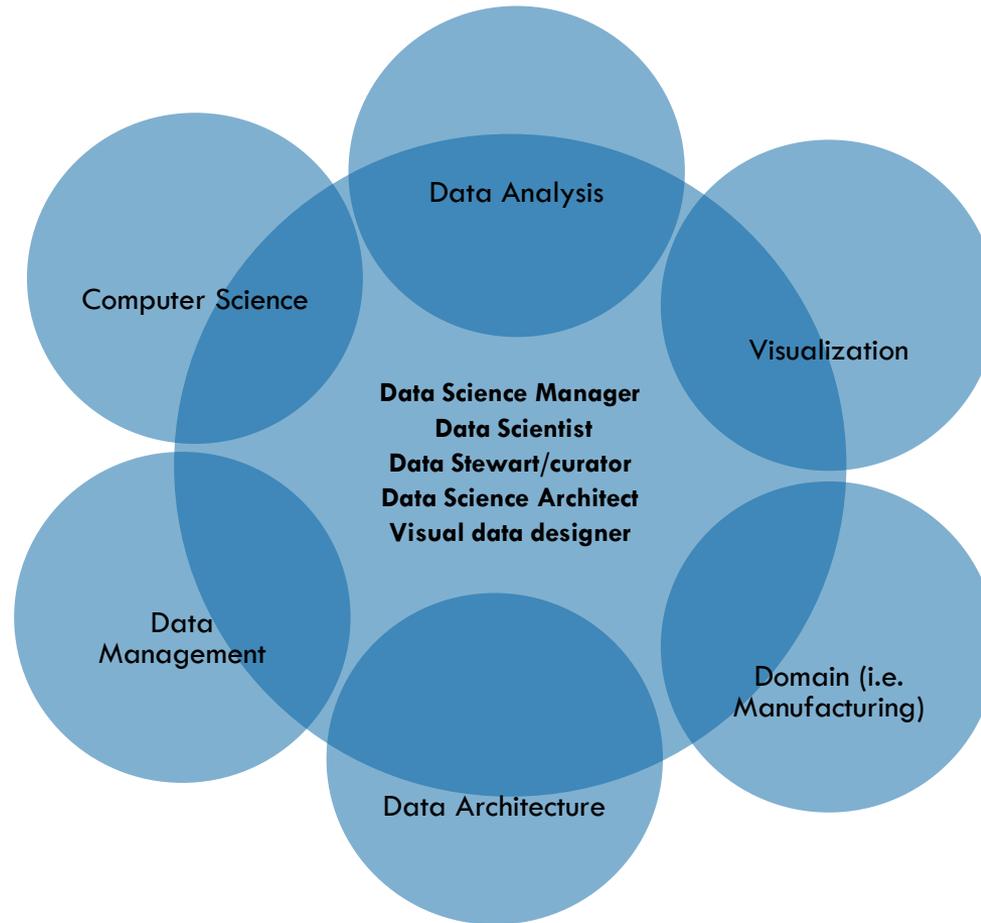




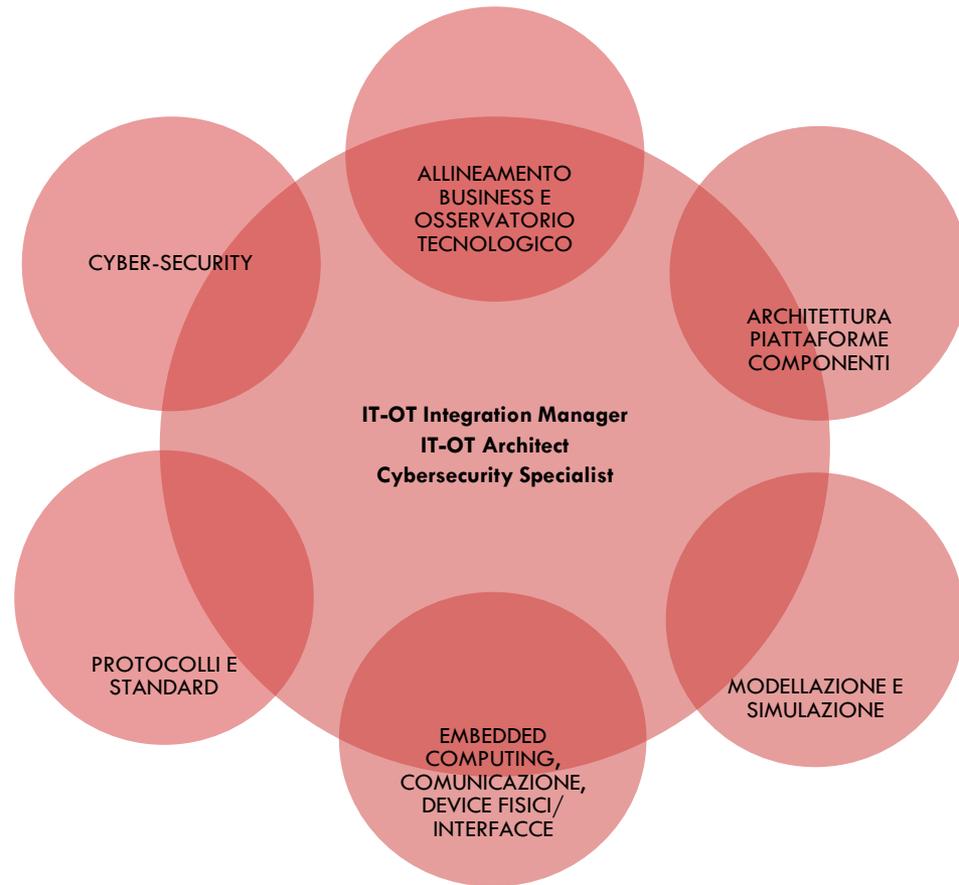
Nuove competenze per nuovi ruoli



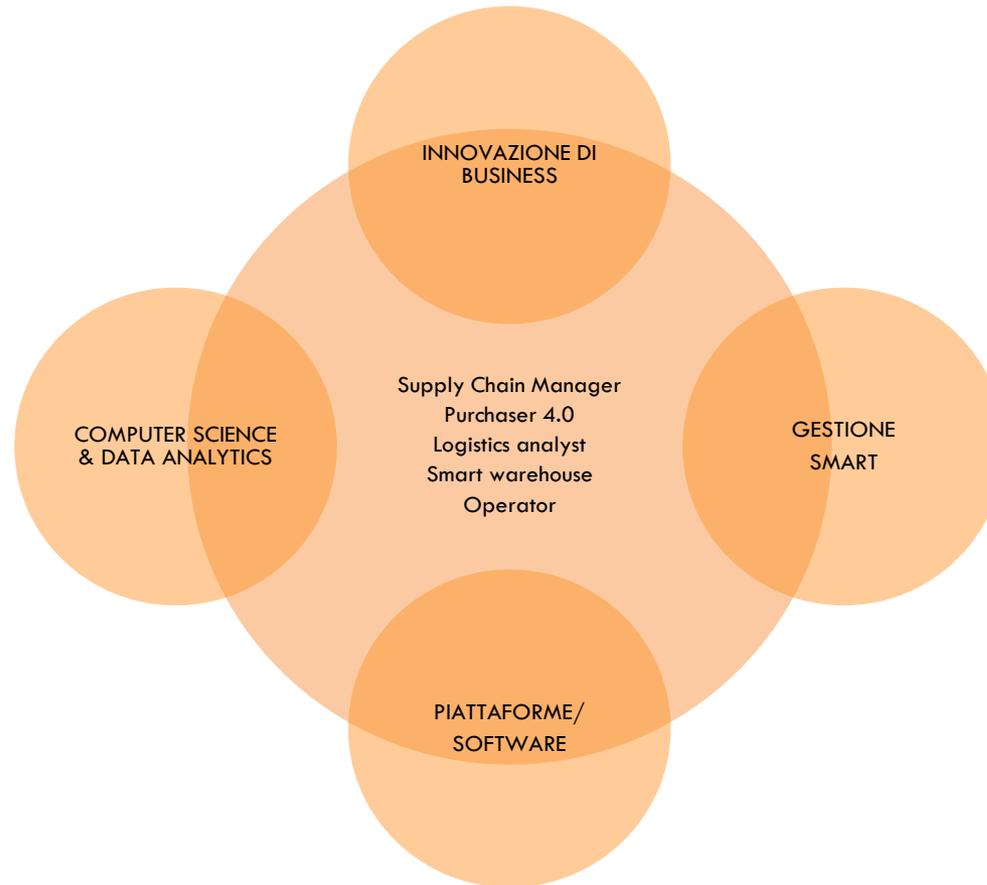
Data Science Management



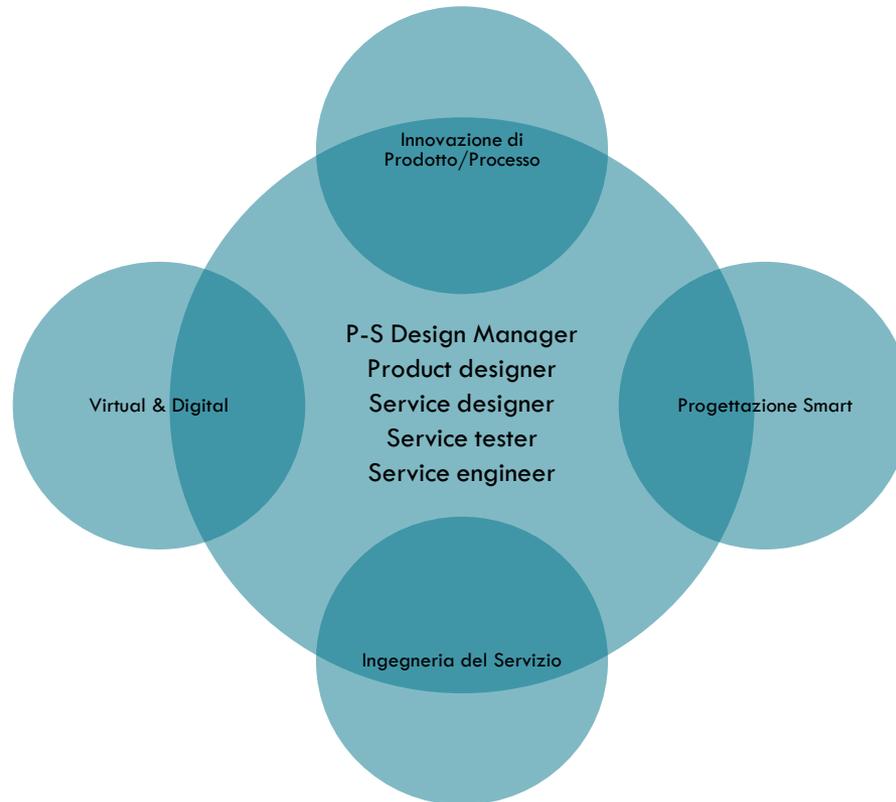
IT-OT integration Management

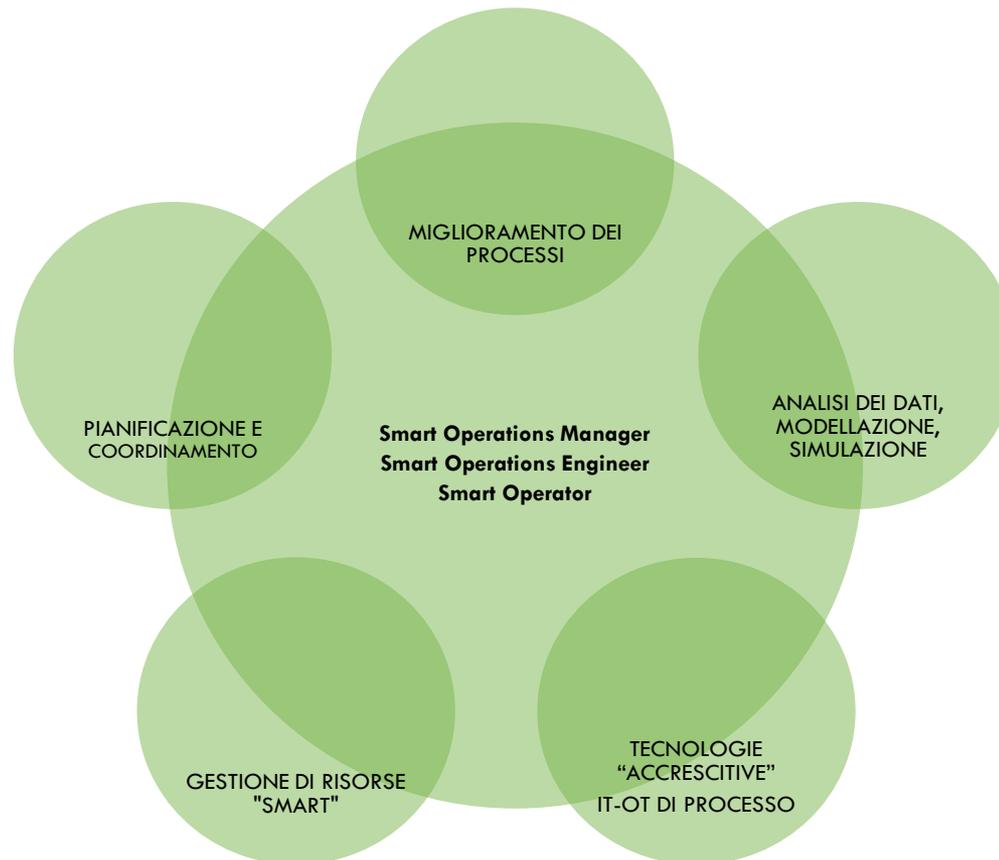


Supply Chain Management



Product-Service Design Management







KEEP
CALM
AND
BE
SMART



Prof. Dr. Sergio Terzi

Prof. Industrial Technologies and Production Systems
Manufacturing Group – School of Management(SoM)
Politecnico di Milano
Associate Dean MIP

Director Industry4.0 Lab
Delegate SoM @ MADE Competence Center I4.0
Co-founder MiraiTek 4.0 – Spin-off Politecnico di Milano

sergio.terzi@polimi.it

www.linkedin.com/in/sergioterzi/