

Engineering Ingegneria Informatica

Mario Barile – Business Developer for R&D
Department

IS3 Research Laboratory – Industry and Security
Technologies, Research and Innovation

Engineering at a Glance

A GLOBAL COMPANY

11.000+

Associates

50+

Offices around the world

Global HQ

Rome, Italy

WHAT WE DO

Software Maker
Service Provider
System Integrator
Digital Platforms

BASED IN EUROPE
NORTH AMERICA
LATIN AMERICA

Worldwide

Delivery

ASSETS

18+

Companies within the Group

11+

Cross-BU Competence Centres

4

Data Centers

10 petabyte

Data Handled

21.000

Servers managed

250.000

Workplaces managed

Tier IV

RESEARCH & INNOVATION

40 Mil €

Investments

420+

Data Scientists & Researchers

80+

Live Research Projects

CONTINUOUS GROWTH

€ 1.18 Bn

Revenues FY18

30+

Years of Continuous Growth

160k

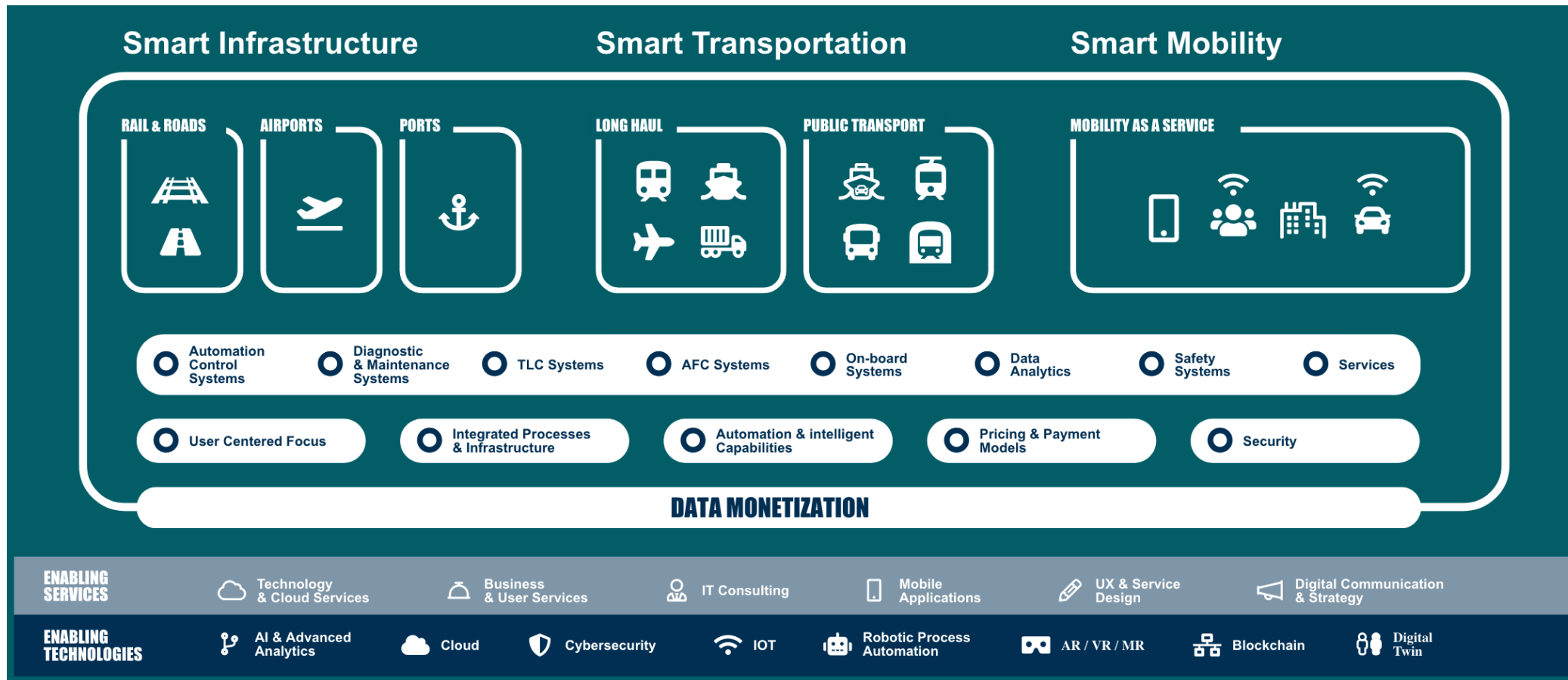
Training hours by our Academy

200+

Innovators



ENG market positioning in Transport



Interesting Case Studies

- Copenhagen Metro: New control systems for a driverless subway
- Digital Twin for Subway in Northern Europe
- Smart Maintenance through the Internet of Things (for RFI)
- Platform for Smart Public Transportation in South America
- For more information, please check the [website](#)



Key funding sources

+50

H2020 PROJECTS

best Italian performer,
6th in Europe, in the
category 'Large
Companies'



EIT - Digital

Best European Performer in
2018 calls

- **National Funds: MIUR and MISE (PON, CC Industria 4.0, Distr. Tec., etc.)**
- **Regional Funds: POR, Contratti di Programma, etc.**
- **EIB: Multi-annual loans to support structural innovation in the company**



Interesting 2020 S2R Topics

Topic ID	Topic	Relevant workstream / contribution
S2R-OC -IP1-01-2020 (RIA)	Support to Development of next generation of Traction systems (TD1.1)	WS4 – Big Data, Data Mining, Artificial Intelligence for smart and predictive maintenance
S2R-OC-IP1-02-2020 (IA)	Technical solutions for the next generation of TCMS	WS3 – Safety and cyber security
S2R-OC-IP3-02-2020 (RIA)	Technology Development for Railway Systems Asset Management (TD3.6)	Prescriptive data analytics tools for DSS; Multi-objective decisions' optimization tools for IAMS; Sensitivity analysis methodologies; Context based dynamic HMI
S2R-OC-IP4-01-2020 (IA)	Supporting the implementation of the IP4 ecosystem	Data normalisation, fusion, processing



What Engineering can bring

- Extensive research experience in **critical infrastructure cyber-physical security** / coordinator of two Large Scale Pilots on critical infrastructure (DEFENDER, INFRASTRESS)
- Innovative **Data Fusion / Event Processing** capabilities
- **Cyber risk assessment** at asset (both tangible and intangible) level
- **IDPS** – Intrusion Detection and Prevention Systems
- **Situational Awareness / Visualisation** tools
- Availability of a **Cloud Data Centre** located in Italy (European based hosting)
- Possibility to setup/organise **Use Cases** and **Pilots** in Italy
- Link with relevant European initiatives such as **BDVA, EOS, ECSO**



THANK YOU



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