

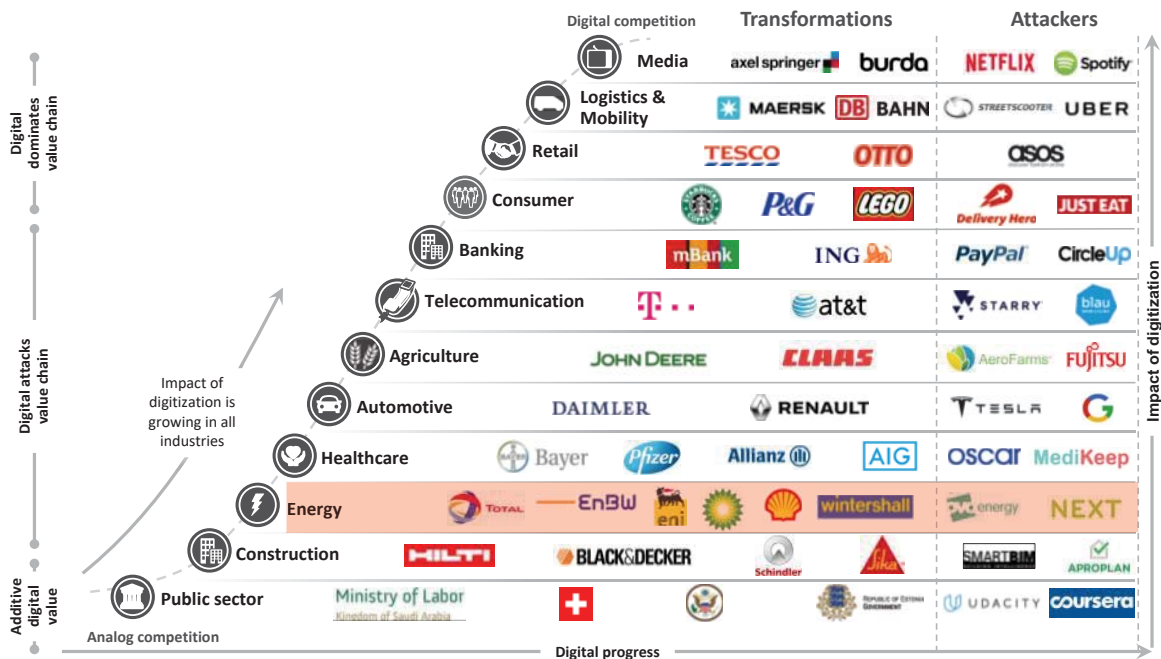


Eni Digital Transformation

Assomineraria Workshop - Trasformazione digitale: Opportunità e strumenti

Milano, 30th November 2018

**Energy players are relatively behind other industries.
But rapidly scaling up ...**



Source: BCG analysis



Digital is no more a choice.
Peers are starting to be very active in all digital technologies



Big data / Data layer integration

Advanced Analytics & Artificial Intelligence



Industrial Sensors, AR & Connectivity (IoT)



Automation & Advanced Robotics



Additive Manufacturing



Cyber Security & Blockchain



Eni Digital Transformation 2019-2022

Digital Projects	200+	Digital Technologies	All
Value Chain	All business + Support Function	Countries	38
Open Innovation	50 +	Agile & Design Thinking	35 +
People directly involved	1.300+		



Digital Lighthouse – First Pilot Example of applied AI/ML

4 e-VPMS
100 Km cables
172 New installed tools
560 Imported signals
800.000 Daily data elaborated
3 GB Documents processed
86 Different built failure models



7 Blue Print AI/ML Algorithms
6 Months
50 People involved
1.700 M Variables included
6.000 Code lines developed
850.000.000 Data points analyzed



Eni Open Innovation Roadmap

15
 Main Digital
 Players

20+
 University &
 Research Centers

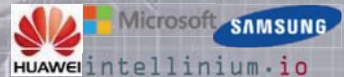
550+
 Start Up

5
 Corporate
 Innovation
 Centers

70
 Incubators &
 Venture Capital

5
 Open Innovation
 Platforms

Smart Shield



Safety Pre - Sense



Non Oil Retail Services



Integrated Logistic



Image Recognition

