



POLITECNICO
MILANO 1863

Master of Science in Management Engineering

Supply Chain Management

Academic Year 2020-2021

Scenario and Market Needs



Increasingly **global** contexts



Increasingly **complex networks** of stakeholders (fragmented and distributed supply chains) and consequent need to manager multiple players, goals and risks



Need for multiple performance **optimization** (effectiveness, efficiency, sustainability)



Overwhelming role of **new technologies** that change the customers' expectations and the management of processes



"I think having a great idea is vastly overrated. .. I don't think it matters what the idea is, almost. You need great execution."

Felix Dennis

SCM in nowadays competitive arena

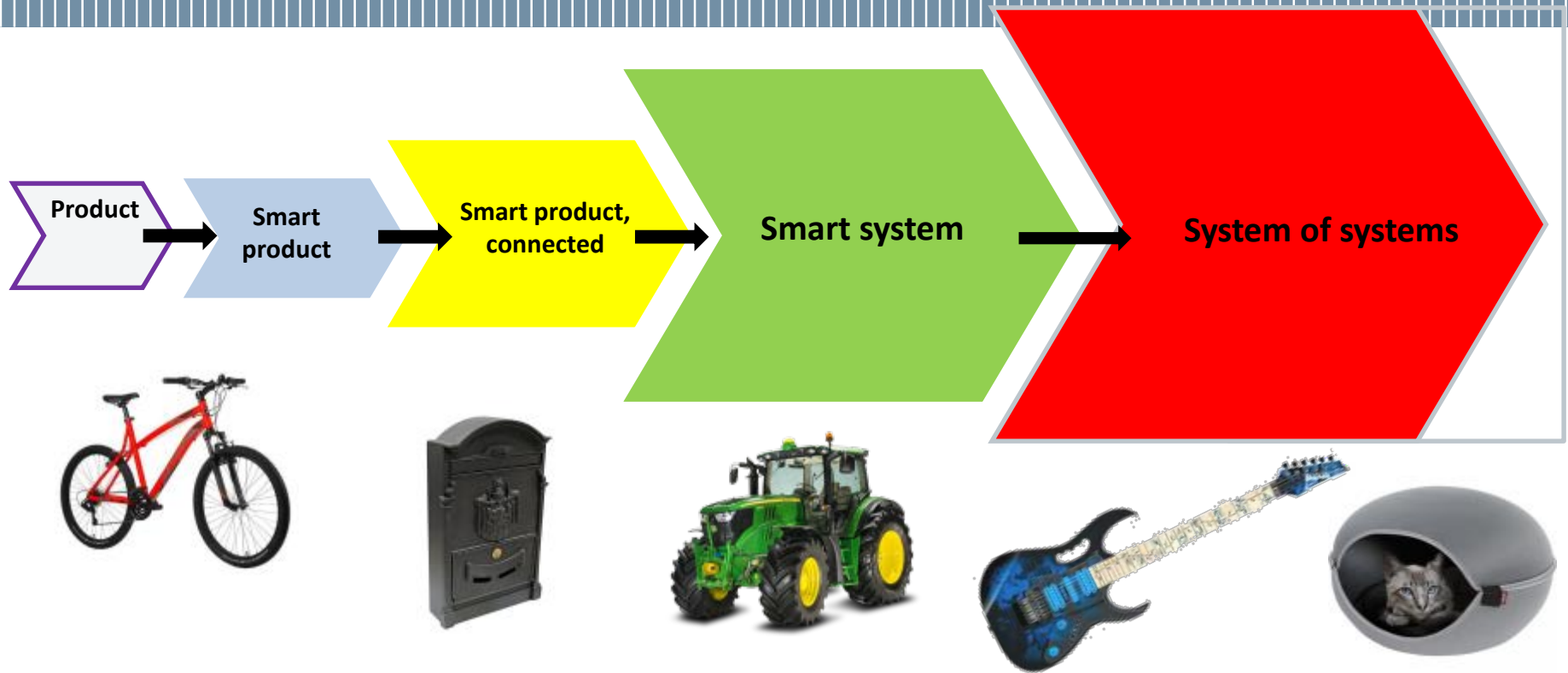
A Global Footprint – Distribution Centers

FAST FORWARD OPERATIONS 



 **48 DCs**
34 Former Prisma 
14 Former GC 

Scenario and Market Needs



"Now IT is becoming an integral part of the product itself: embedded sensors, processors, software, and connectivity ... are driving dramatic improvements in product functionality and performance. ... This **will reshape the value chain yet again** ... by creating the need for new activities...."

Porter M. E., Heppelmann J.E., "How Smart Connected Products Are Transforming Competition, HBR, November 2014

Learning Outcomes



- ✓ Understand which changes in terms of SCM strategies must be performed to react to a continuously changing competitive landscape
- ✓ Design solutions applying a scientific and engineering approach: (make or buy, network design, capacity sizing, inventory positioning, ...)
- ✓ Understand SCM as a competitive advantage
- ✓ Master the impact of technologies over SCM decisions
- ✓ Interact in a working environment, also motivating other members of the team in developing Supply Chain Projects

Stream Architecture

2° year curriculum

Courses	Sem	ECTS	ECTS
Supplier Relationship Management Lab	2	10	10
Advanced Supply Chain Planning Lab	2	10	10
Supply Chain Management	1	10	10
Digital Business Innovation	2	5	5
Operations Risk Management and Resilience	1	5	
Quality Management	1	5	
International Distribution	2	5	
Free FREELM	1-2	5-10	10
Final Project (Thesis)	1-2	15	15

Contacts



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