

Benvenuti in Fater



Stabilimento di Pescara

Storia Fater

50's

60's

70's

80's

90's

00's

10's



1958: FATER viene fondata come azienda Farmaceutica



1980: Lancio degli assorbenti per adulti (Linidor)



1963: Lancio del primo pannolino per bambini Lines



1992: Joint venture con P&G al 50%



1965: Lancio degli assorbenti sottili Lines



2002-05: Distribuzione Tampax



1970: Avvio Stabilimento di Pescara



2013: Acquisizione Brand ACE

Fater Lean Manufacturing : IWS

I = Integrated

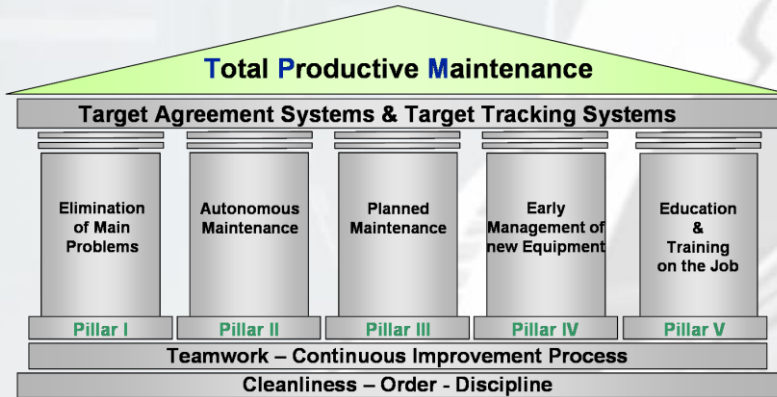
W = Work

S = Systems



Fater Lean Manufacturing : IWS

The 5 Pillars of TPM-Concept



WORLD CLASS MANUFACTURING



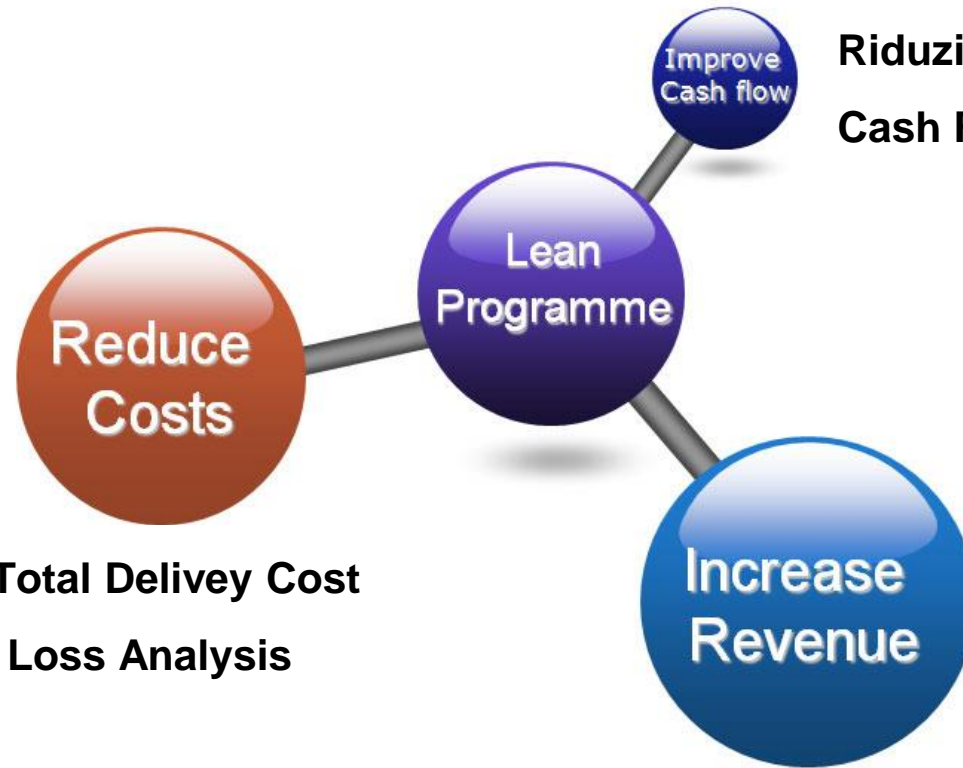
SIX SIGMA



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Lean Manufacturing : Approccio 'Standard'



**Riduzione del Total Delivey Cost
attraverso una Loss Analysis
efficace**

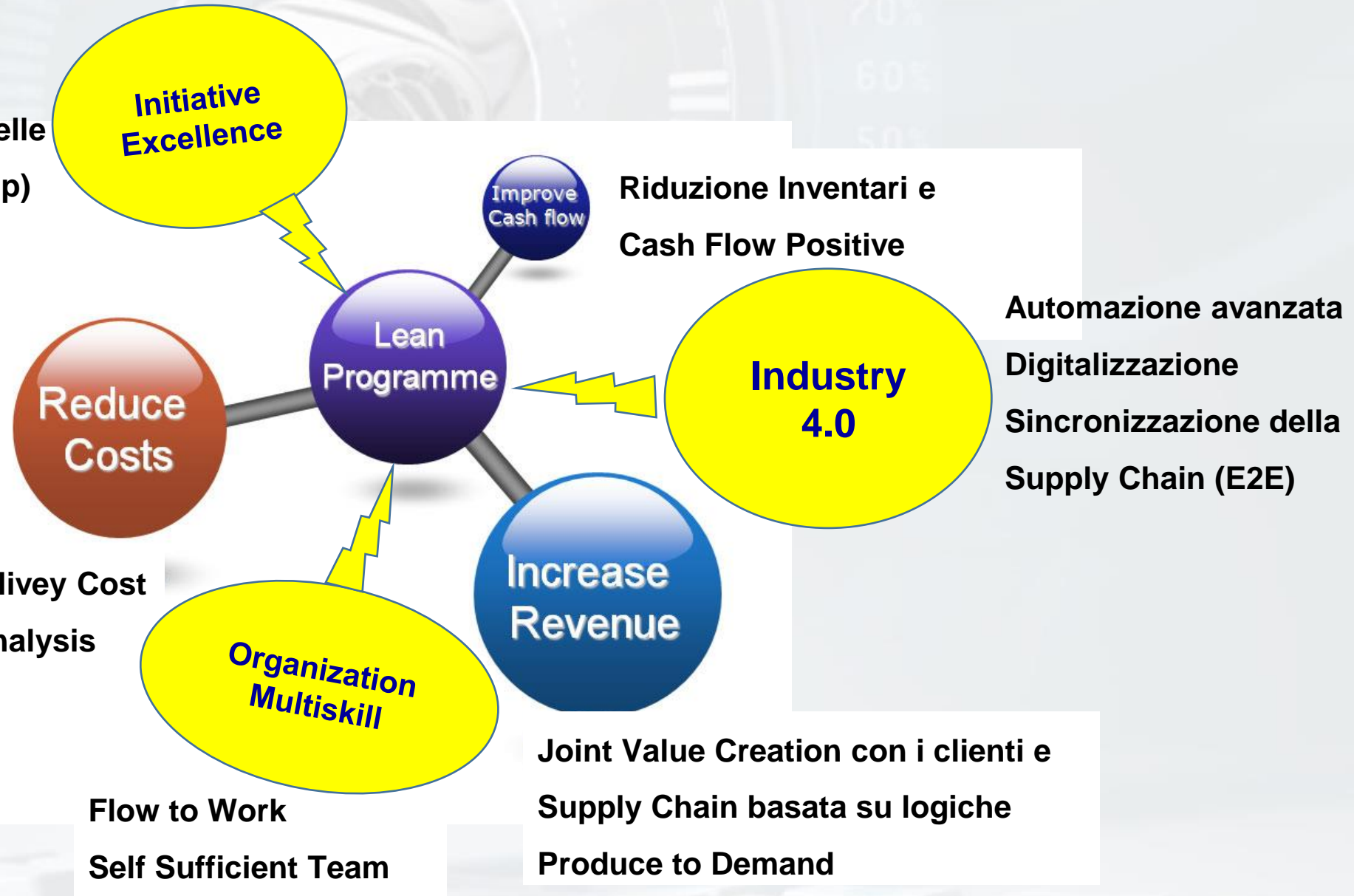
**Riduzione Inventari e
Cash Flow Positivo**

**Joint Value Creation con i clienti e
Supply Chain basata su logiche
Produce to Demand**

Lean Manufacturing : Approccio 'Fater'

Time to Market

Eccellenza nel delivery delle iniziative (Vertical Start Up)



Industry 4.0: le tecnologie abilitanti



Industry 4.0: i benefici attesi



Flessibilità

Maggiore flessibilità attraverso la produzione di piccoli lotti ai costi della grande scala



Velocità

Maggiore velocità dal prototipo alla produzione in serie attraverso tecnologie innovative



Produttività

Maggiore produttività attraverso minori tempi di set-up, riduzione errori e fermi macchina



Qualità

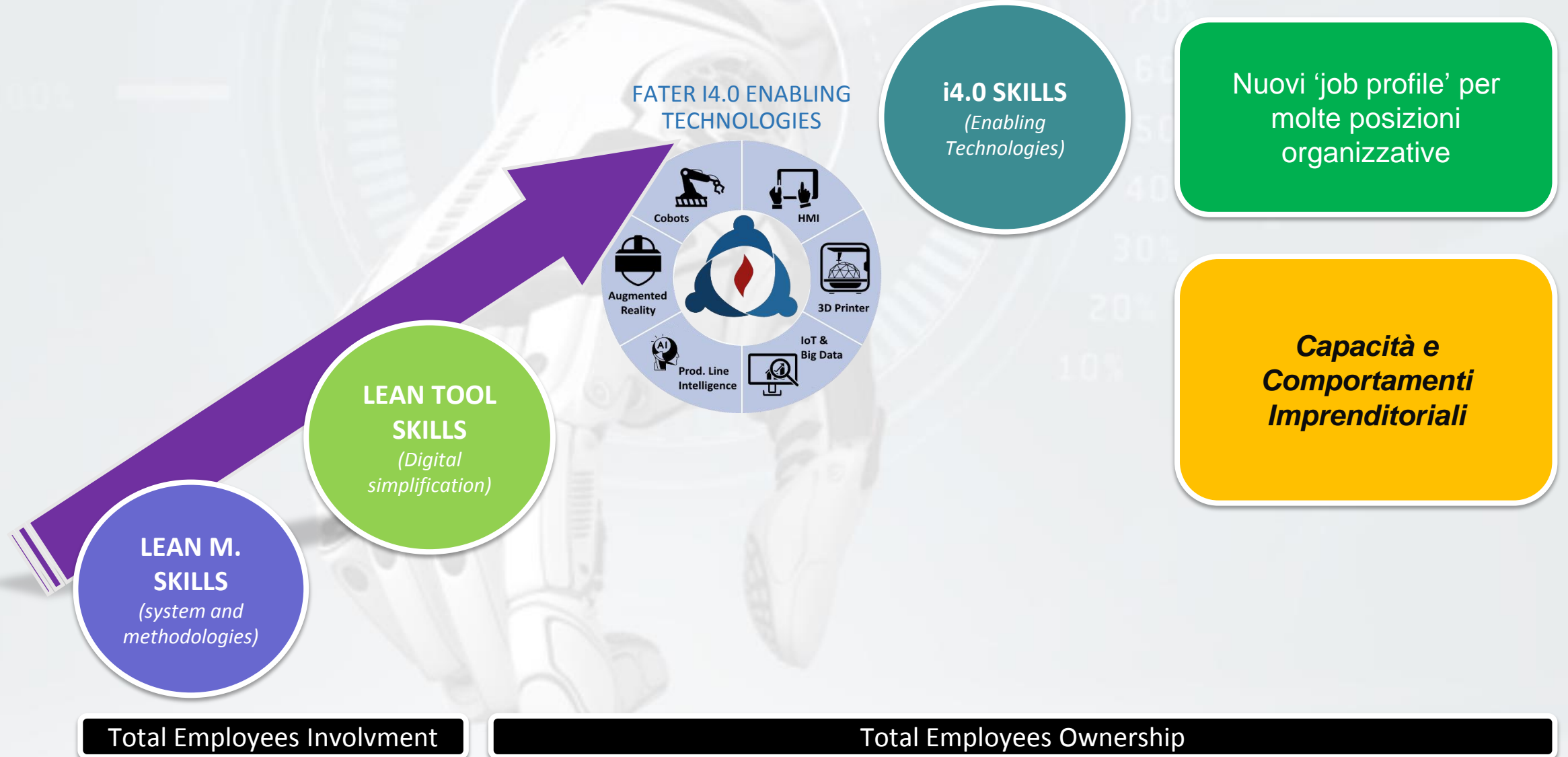
Migliore qualità e minori scarti mediante sensori che monitorano la produzione in tempo reale



Competitività
Prodotto

Maggiore competitività del prodotto grazie a maggiori funzionalità derivanti dall'Internet delle cose

LEAN MANUFACTURING FATER CAPABILITY JOURNEY



Industry 4.0: declinazione Fater

**COMPETENZE E
COINVOLGIMENTO
DELLE PERSONE**



**TECNOLOGIE
ABILITANTI**



SMART FATER
thinking before others

Industry 4.0 : SMART FATER

E2E Synchronization



E2E Op. Excellence



Industry 4.0 : SMART FATER Fase 1

CAPABILITY & DIGITAL:
supporto dell'Operational Excellence & Synchronization



PEOPLE CAPABILITY:

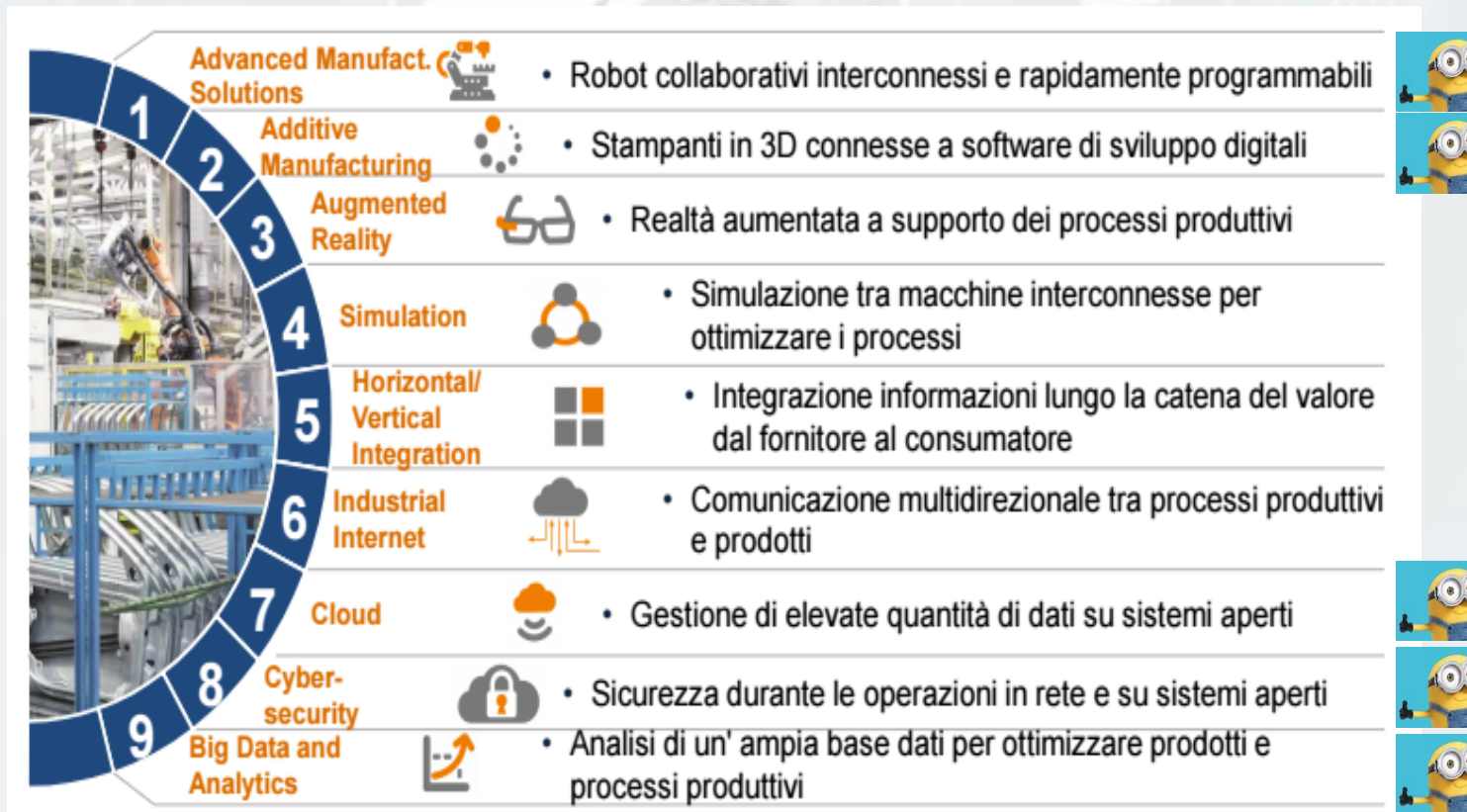
Digital Team si occupa della diffusione delle competenze digitali e della pianificazione e start up dell'innovazione



DIGITALIZZAZIONE E SISTEMI CONNESSI

Industry 4.0 : SMART FATER Fase 1

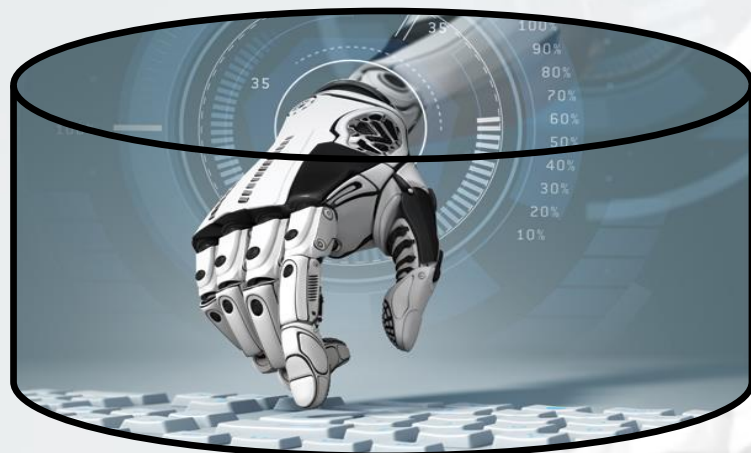
TECNOLOGIE ABILITANTI ATTIVE



Stampa 3D, Robot al packing, AGV, LGV

Industry 4.0 : SMART FATER Fase 2

Survey nell'area industriale



Use Cases (sort by measures to the right)	Department	Plant	CBN - Reduce project time to market (1-5)	CBN - Improve productivity (1-5)	CBN - Reduce inventory (1-5)	Department Priority (1-5)	Avg
Provide visibility of Stop Ship Date / expiration date of bleach oxygen products. After a Stop Ship date the product cannot ship and causes losses in material and also in the work process to remove the scrap. The issues are usually caused by special orders like a new product launch. A system that looks at all the warehouse in Italy and integrate with shipments and forecasting to manage the FIFO in the product and provide watchouts for logistics and planners when a product is close to reaching the stop ship date. Campo collects all the bleach in Italy. About 40% effort is used to dealing with scrap.	Warehouse	Campo	3	3	5	5	3.86
During changeover providing the line operator access to all the information needed to reduce the searching time needed to do the work. Pulling information from the IQS system, traceability database, SAP, PM, Doc, line specifications information in a simple one click report	ICT - Dev	Pescara	5	5	0	5	3.57
Global vision of every event/issue relevant to user. If operator is moving doing operator sometimes cannot see issue or the alarms on the scada. A solution that has priority with each measure and provides useful data about the event, and the needed resources to resolve the situation.	Line	Pescara / Campo	4	5	0	5	3.29
Rapid changeover is making it increasing difficult to track the life of a piece of equipment to determine maintenance or replacement cycles. Provide a tool that can keep the history of each equipment and utilize it for predictive planning. Equipment tracking using RFID is an options.	Operations	Pescara	4	3	1	5	3.00
Utilizing logistics and plant data of the movement of products to external warehouse to find better solution to make cheaper transport of goods. Simplification of transportation by reducing movements of trucks between plants and warehouse.	Global ICT	Pescara	3	2	4	3	3.00
A simple way to simulate the behavior of a line to catch issues and optimize the line before deploying in the physical plant. By simulating the line behavior it can reduce the time to market by reducing the failure rates during startup.	Engineering	Campo	5	3	0	5	3.00
Aggregate data to decide on production. Company sells by different codes 50% produced from Turkey plant, 50% Italian site. Need to determine in an easy way how much volume have to produce in Italian codes and Turkey codes	Supply chain/logistics	Pescara	1	1	5	5	2.71
Streamline the process by reducing the rework, waste, losses by need to explaining on the phone why a product is blocked for some reason and cannot be released	Quality	Pescara	5	2	0	5	2.71
Receiving information on machines or systems that are predictive and prescriptive instead of being time based. This would help avoid breakdowns and over maintenance.	PM	Campo	3	4	0	5	2.71
Store room manager for spare parts that automates the process. It can locate where the components are by going into SAP PM. If found a person can go to the store room scan the part and all the administrative things are done on the back end.	PM	Campo	3	3	1	5	2.71
Simplifying and connecting different processes for the project manager, example: engineering department, process orders, equipment status memorandum, asset management – different but based on same data decreases workflow of the project manager. PM has to work in different systems; putting data into different systems, cut and paste/typing, tracking it, put the results in something else.	Engineering	Pescara	4	3	0	5	2.71
Combine solutions to reduce losses from moving from one system to the other: sourcing plan – order management (SAP) – purchase order – asset management – that are all part of one process	Engineering	Pescara	4	3	0	5	2.71
Purchasing and ordering of raw materials in the right quantity with a JIT (Just in Time) view of the actual consumption of materials on the line so that assumptions do not need to be made. The line would provide real time updates to the ERP with consumption information.	Global ICT	Pescara	1	1	5	4	2.57
Planning for warehouse space with current inventory across the supply chain - coming into the plant, in the warehouse, on the plant floor.	Global ICT	Pescara	1	1	5	4	2.57
TTT – track turnaround time – perform lead within 2 hours (late delivery to customer, reliability)	Warehouse	Campo	4	1	2	4	2.57
Easy answer questions asks by leaders in the plant that take hours to compile and produce: what is the value on average storing? how many pallets storing on average per sku for brand? How many products shipping (abroad, local)?	Warehouse	Campo	1	2	3	5	2.43
Simplify the validation process and avoid create a lot of duplicated material and create new material that have similarities	Quality	Pescara	4	2	0	5	2.43

Analisi convergenza tra business needs, use cases e tecnologie abilitanti per far partire i progetti prioritari

Industry 4.0 : SMART FATER Fase 2

Feasibility Studies current FY

Movimentazione (Mobile Robot)

Sviluppo piattaforme IIoT

Automazione Operazioni (Cobot)

Simulazione (Digital twin)

Sistemi di visione per la qualità

Cloud fase2

Realtà aumentata

Wearable device

IoT tra pezzi di ricambio e linea di produzione