Building High-Performance SME Clusters for American Competitiveness in the 21° Century

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Welcome to the IMA Group





Index

The IMA Group	3
IMA Ecosystem	8
DIGITAL Trasformation	15



IMA at a glance

Innovation, awareness, ability

- Founded in 1961, IMA is world leader in the design and manufacture of automatic machines for the processing and packaging of pharmaceuticals, cosmetics, food, tea and coffee.
- Global pharmaceutical supplier with the widest range of state-of-the-art processing and packaging systems.
- More than **5,600 employees**, about 2,800 of them based abroad.
- The IMA Group closed 2017 with consolidated revenues of 1,444.7 million euros, an increase of 10.2% on 2018.
- More than 88% of turnover is destined for export.
- Worldwide sales and service network.
- Cutting-edge R&D laboratories and continuous product innovation with more than 1,600 patents and patent applications in the world.
- Listed on the Milan Stock Exchange since 1995 and starting from 2001 on the STAR segment. The Vacchi family is the largest shareholder, who holds 57% stake of IMA.



The IMA Group: an integrated ecosystem





IMA: a synthesis of industrial experiences from all over the world

Production Plants

IMA manufactures equipment in 41 production plants located in Italy, Germany, France, Switzerland, Spain, UK, USA, India, Malaysia, China and Argentina.





Balanced Offer

2016

2017

Total sales: € 1,310.8 million

Total sales: € 1,444.7 million





Trend of the sales



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IMA Ecosystem



IMA Ecosystem: map





Employees: Internal Training

TOTAL NUMBER OF EMPLOYEES BROKEN DOWN BY TYPE OF CONTRACT AND GENDER OF THE IMA GROUP (on 31 December 2017)

	MEN	WON	AEN	TOTAL	
Permanent contract	4,155	75	6	4,910	
Fixed-term contract	104	48	9	153	
Apprenticeship contract	106	2	s	131	
TOTAL	4,365	82	9	5,194	



THE IMA GROUP Schools & Universities



The **hiring rate** (calculated as the number of employees hired in the period compared with the workforce at the end of the period) comes to 11.9% for men and 13.6% for women. In the period being analysed, **636** new workers were hired by the Company (523 men and 113 while **435** employees left the Company (362 m women).

More than 200 new employed in 2017









Supplier: IMA Network

In 2009 IMA Group introduced and supported the team collaboration strategy to reduce and optimize costs and to increase capacity and efficiency. The Network of Affiliated Companies, now called SINERMATIC, is composed by:





Why does IMA Group need to create a network?

IMA decided to invest in the development of a business network through the purchase of shareholdings because IMA wants:

Credit from the bank

- To increase the direct control of Suppliers considered as how and for the reputation of their products / services.
- To help small / medium companies to obtain credit from banks, creating the conditions for new investments thanks to the financial guarantee of the Industrial Group.
- To simplify the integration of very small sub-suppliers through the companies affiliated to the network, in order to guarantee continuity even in critical situations of generational change and consequently contributing to their survival and their development.
- To help each company in the network to maintain a high degree of specialization in their core business by delegating nor core pativities to ther network entities (i.e. Structure of Support and Structure of **Partnerships** of catalog components ships to the r high savings by exploiting the best purchase contactors of IMA Group.
- To create partnerships and not classic customer/supplier relationship with the Companies of the network in order to simplify the industrial, technical and economic growth, according to IMA Group development.

Supplier growing

Turnover: from 20 M€ to 190 M€

Employees: from 150 to 600

Digital Transformation

Customer Needs

- 1. Increase efficiency, reduce wastage and energy consumption:
 - Self adapting machines
 - Reduce unplanned stoppages
 - Maintenance: predictive and prescriptive
- 2. Reduction manpower on manufacturing plant:
 - Reduce low skill tasks
 - React to the expected lack of manpower in countries with high labor costs

Different point of View

Which Data?

Personal DATA

Manufacturing DATA

Who owns DATA generated in manufacturing processes?

Industrial Internet of Things: IIoT

Enable Data-Driv

Regulation on harmonised data prot

generated in EU flows freely within Ecourt

Data is the resource which is shared between companies, subcontractors and customers and has the potential to deliver the ROI of Industry 4.0

sure that data

Factories of the future will see the convergence of small hinery and products as Systems of Systems. So, work is required to determine who owns data generated manufacturing processes and which should be the regulations in terms of control and access to such data. Data is the resource which is shared between companies subcontractors and customers and has the potential to deliver the ROI of Industry

4.0. Smart legislation flow of da enforcem secure thi re effective monetization of manufacturing industry data, free J by storing and processing data in Europe to allow regulation ee for the industrial domain, contractual approaches that will

a processed in Lo.

Smart legislation should enable data-driven innovation, with appropriate rules on data protection striking the right balance between protecting EU citizens and enabling innovation. Smart legislation should not kill the big-data analysis and applications business case sustainability: as the proposals stand currently

opportunities around big data will be severely curtailed. In ord be required only when profiling significantly impacts the rights objective criteria.

External Stakeholders Group Meeting

for the planned European Commission Communication on Digitising European Industry

Brussels, 23 November 2015

Synthesis of Stakeholder Inputs

Conclusion

Opportunities:

- Continuous improvement of our products
- Increase revenue by maintenance and after market support
- Enable new business model: Eaas or P4P
- Move from 'connected' machines to 'smart' or 'autonomous' machines

Challanges:

- Introduce new skills in our organization: STEM
- Use of AI and ML to control machines and processes
- Collect and analyse manufacturing data

Thank you for your attention