

COURSE: LEAN-AGILE SUPPLY CHAINS



Justification. In the 90's the customers required low priced products so that the firms eliminated the no value activities by implementing lean principles. In this new century, the competition has moved from inter-firms to inter-supply chains. In addition, the customers require continuously new products at low prices. Hence, the firms are transforming their manufacturing systems from lean to agile and even more, they are looking to be imbedded in lean-agile supply chains.

Goal. A lean-agile supply chain allows the rapid development of new products and the rapid reconfiguration of the supply chain to satisfy the customer demands variations. In addition, it reduces the no value activities. This course presents the principles, conception and implementation of lean-agile supply chains in the framework of manufacturing of products.

Content. Five topics are presented:

- Principles of mass and lean supply chains (1 hour)
- Principles of agile supply chains (1 hour)
- Conception of lean-agile supply chains (2 hours)
- Technologies to implement lean-agile supply chains (1 hour)
- Organizational change to introduce lean-agile supply chains (1 hour)

Material. The attendees receive a collection of papers covering the five topics above.

Lecturer. J. Macedo. Former full-time professor at the University of Montreal (Business School) and the University of Quebec in Montreal (Textile and Apparel School). He holds a Post-doctorate certificate in manufacturing systems engineering from Virginia Polytechnic Institute (USA), a Ph.D. in industrial engineering from the University of Sevilla (Spain), a master in business administration from University Laval (Canada) and a certificate in business modeling using system dynamics from the Massachusetts Institute of Technology (USA). He is co-founder of the consulting firm Institut Strategies Industrielles. He has consulted by many firms on production system design, productivity improvement and supply chain management. He has written 50 academic papers, 2 books and is reviewer for top academic journals covering these subjects. He is co-founder of Flash Textiles industrial group where he acted as a global operations manager. He was a speaker in operations management conferences in 15 countries in America, Europe and Asia.

Date of the course. *To be defined by the customer firm.*

Course classroom. *To be defined by the customer firm.*

Registration process. *To be defined by the customer firm.*

Course fees. *To be defined by the customer.*

Coffee break. *To be defined by the customer.*

Registration dates. *To be defined by the customer firm.*

Organizer. Institut Strategies Industrielles.

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