



Ugo Negretto

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Dr. Ugo Negretto has held several management and CEO positions in companies in the areas of: IT & Internet, Smart Factory, Industry 4.0, Consultancy in Production & Logistics, from part to full P&L responsibility. His professional knowledge covers a wide spectrum of topics, such as Internet services, e-Business, real-time web, semantic web, B2C+B2B Systems, business process design methods and tools, integration of supplier networks, collaboration environments with multimodal interaction interfaces, advanced planning and scheduling systems (SCM/APS), ERP systems, EAI systems, CAD/CAM-systems, various programming languages and application programs.

His entrepreneurship success sees him being the founder and mentor of several innovative Startups in IT for Production & Logistics, Internet Services and Supply Chain Management, as well as Robotic control and IoT for material management respectively. He focuses on Business Development, Marketing & Sales, Strategy Definition and Implementation, as well as developing and growing companies. He also possesses extensive experience in international project management and consultancy in production optimisation, IT-architecture, logistics, SCM, strategy, etc.

He has also conducted extensive research in Robotics and AI (PhD), with collaboration in several R&D projects (EU) in IoT, Industry 4.0, supply chain management, manufacturing, logistics, Internet services, SaaS, manufacturing automation and also knowledge management, data/text mining. He is also a regular contributor to publications in magazines, conference proceedings and books.

Ugo Negretto博士曾在眾多領域擔任過多間公司的管理層及首席執行官，當中包括資訊科技、互聯網、智能工廠、工業4.0、生產及物流顧問等由組件到整體損益的職責。他的專業知識涉及範疇廣泛，如互聯網服務、電子商務、實時網絡、語義網、B2C + B2B系統，業務流程設計方法及工具、供應商網絡整合、具多模式互動界面的協作環境等，以及先進的計劃排程系統 (SCM供應鏈管理系統/ APS 計劃排程)，ERP 企業資源管理系統，EAI企業應用整合系統，CAD 電腦輔助設計 / CAM電腦輔助製造系統，各種編程語言和應用程序。

他創業的成功尤見於他身兼幾間初創資訊科技企業的創始人及導師，業務分別為生產與物流、互聯網服務及供應鏈管理，及至器械監控與物聯網物料管理等等。他致力於業務發展、市場推廣及銷售、策略定義及執行，以及發展中的公司。他於生產優化、資訊科技架構、物流、SCM以及策略等方面更擁有豐富的國際項目管理及諮詢經驗。

他曾就機械人及人工智能方面進行過深入研究 (博士)，於物聯網、工業4.0、供應鏈管理、生產、物流、互聯網服務、SaaS、生產自動化，以及知識管理、數據 / 文本挖掘領域等參與過多個合作研發項目 (歐盟)。他亦是各雜誌、會議記錄和書刊出版物的定期撰稿人。

ENICMA

ENICMA's activities are in consultancy and implementation of manufacturing intelligence (MI) solutions within the context of industry 4.0. The aim is to improve production and deployment processes, both within single enterprises as well as in networked organisations. Professional services and innovative SW tools (IoT, Cloud based services, etc.) are used to support management and shop floor to measure, judge and optimise production processes and achieve cost reduction. Based on instantly and globally available knowledge about the status of a machine, of a production site and of a whole network, MI methods are used to emphasise critical processes and understand root causes. The target is to avoid any type of "waste" in all processes concerning goods manufacturing and transportation. In the last years the covered field of activities enlarged to the inclusion of energy and sustainability criteria within manufacturing and logistic processes. Ground work was performed in the expansion of known Indicators from Lean manufacturing like OEE (Overall Equipment Efficiency) to "GreenOEE", whereas energy consumption is added and linked to indicators of availability, performance etc. Additional work is undergoing in the inclusion of Carbon footprint information to the different product stages and its whole life cycle.

ENICMA provides knowledge and services in the context of consulting, analysis and rollout projects. Whereas possible the offered solutions can also be used as an integral ASP-service according to customer needs.

ENICMA的主要業務是在工業4.0的背景下，透過諮詢和實踐提供智能製造 (MI) 的解決方案，目的為改善個別企業以及聯網組織內的生產及部署流程。現時專業服務及創新軟件工具 (物聯網、雲端為本服務等) 已被廣泛應用於管理層和門市支援，通過測量、判斷和優化生產流程去降低成本。根據世界各地目前對機器狀態、生產現場及整個網絡的已有知識，智能製造方案主要用於強調關鍵過程及了解根本原因，旨在避免於產品製造和運輸的所有相關過程中出現任何類型的「浪費」。過去幾年間，智能製造涵蓋的範圍擴大至將製造及物流過程中的能源和可持續性納入標準。我們的基礎工作包括將精益製造已知的指標如OEE (整體設備效率) 擴展成「GreenOEE」(環保整體設備效率)，同時將能源消耗添加至可用性及性能等指標中並與之聯繫。我們會進行更多工作，包括將碳足跡信息納入不同的產品階段和整個生產週期。

ENICMA在顧問、分析和推出項目等各方面提供知識及服務。我們根據客戶的需求，所提供的解決方案也可以用作一個完整的動態伺服器網頁 (ASP) 服務。