



TPM & Industry 4.0 in Fast-Moving Consumer Goods (FMCG) Manufacturing

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Tuesday, 7th December 2021

11:00 – 13:30

Polytechnic University of Bari, Room 3 + [MS Teams](#)

The seminar, delivered as part of the "Design and Management of Industrial Systems" course of the Mechanical Engineering degree will focus on continuous improvement on FMCG manufacturing through Total Productive Maintenance (TPM), one of the boosters of the lean paradigm. In modern production plant design, maintenance is considered the link between plant design and its management. TPM reveal key enablers of daily-based maintaining and improvement of plants throughout activities (like autonomous maintenance and self-maintenance) and problem-solving techniques (like 5S) requiring the involvement of all the staff of the plant. During the seminar, main pillars of TPM will be deepened, and examples of operation excellence pursued through the 'empowerment' of human resources will be illustrated. Industry 4.0 technologies application and their role as 'enablers' of continuous improvement will be also discussed.

Michele Spera is TPM & Capability Manager, Maintenance Specialist of Heineken Italia. He took a degree in Mechanical Engineering at Polytechnic University of Bari and a master in "Maintenance Manager" by FESTO Academy in Milan. He performed many positions in Heineken, starting as Maintenance Engineer and Maintenance Manager at the Massafra (TA) plant. He coordinated many international projects of 'Maintenance Excellence', taking the PKE (Process Kaizen Engineer) qualification and acting as TPM manager at Massafra plant. He is currently responsible for the continuous improvement program for the entire supply chain of Heineken Italia and coordinator of the maintenance strategies of the group.