



Silvia Tedeschi

Management engineer

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PROFILE

I am a PhD candidate in Management of Digital Transformation with an academic background in Management Engineering.

My commitment to developing innovative solutions, combined with my academic experience, analytical skills, and knowledge of industrial dynamics, drives my research on the phenomenon of Over Featuring (OVF) in New Product Development (NPD).

I am an outgoing individual with a collaborative spirit and an open mind, always eager to take on new challenges and learning opportunities to enhance my skills.

I am passionate about sports and traveling, constantly seeking to explore new cultures and broaden my horizons.

EDUCATION

Industrial PhD Candidate in Management of Digital Transformation | IMT School for Advanced Studies, Lucca

November 2024 - Present

Research focus and objectives: Exploring the phenomenon of Over Featuring (OVF) in New Product Development (NPD) to develop a framework that balances customer needs with operational constraints, fostering sustainable innovation and enhancing decision-making processes in organizational contexts.

Industrial PhD collaboration: Conducting strategic planning activities at SIGMA Ingegneria, supporting the company's objective of scaling up by aligning innovative solutions with business goals and fostering long-term growth.

Master's Degree in Management Engineering | University of Pisa, School of Engineering.

September 2022 - October 2024

Curriculum: Digital Factory - Smart Industry - Digital Operations

Grade: 110/110 with honors

Main Examinations: Supply Chain Management and E-Business, Business Strategies and Management Accounting, Integrated Production Management, Industrial Data Design and Data-Driven Management Applications, Industrial Facilities (Lean Manufacturing), and Digital Factory Control.

Main Academic Projects:

- Design Thinking (Desirability, Feasibility, Viability):* Focused on identifying user needs and developing innovative solutions through desirability, feasibility, and viability analysis.
- Design of a thermal bag manufacturing company:* Designed a company, analyzing market placement, production processes, and ISO-compliant operations while addressing risks and opportunities.
- Implementation of a Decision Support System (DSS) within an automated logistics hub:* Developed a DSS to optimize real-time decisions in an automated logistics hub by reducing waiting times and improving warehouse flow.

Thesis project *"Metodi Avanzati di Project Management nella Produzione di Mega-Yacht: L'Approccio Integrato di Setsuban Kanri, Last Planner System e Scrum"*:

Created an integrated Project Management approach (Setsuban Kanri, Last Planner System, Agile) applied to mega-yacht production, implementing a Status Board for real-time progress monitoring.

Research Project *"Support for the Design and Development of Educational Materials for the Arisa Project"*:

12/2023 - 09/2024

During a nine-month research project, I contributed to the ARISA project, a European initiative focused on enhancing and retraining professionals in AI-related fields. My role centered on Work Package 4, specifically on the task "Competencies and job profiles and framework definition." I was responsible for identifying necessary competencies and job profiles for AI transition, using Natural Language Processing (NLP) techniques for need analysis. I facilitated workshops with experts to validate these competencies and profiles, resulting in a comprehensive framework for educational program design. Additionally, I developed Learning Outcomes aligned with the European Qualifications Framework (EQF) and collaborated on creating educational profiles and curricula.

Bachelor's Degree in Management Engineering | University of Pisa, School of Engineering.

September 2019 – September 2022

Main Examinations: Industrial Process Management, Business Management, Quality Management, Industrial Facilities (Factory Layout, Industrial Maintenance Theory, Industrial Plant Safety, Internal Plant Handling Systems, Time and Motion Analysis).

Grade: 110/110 with honors

Technical Education Diploma | I.S. Pacinotti Belmesseri, Bagnone (Ms)

2014 – 2019

Administration, Finance, and Marketing - International Relations for Marketing

Grade: 100 with honors.

LANGUAGES

	LISTENING	READING	ORAL PRODUCTION	ORAL INTERACTION	WRITING
ENGLISH	B2	B2	B2	B2	B2
FRENCH	A2	B1	A2	A2	B1

SKILL

Communicative and Interpersonal Skills:

- Problem Solving
- Communication
- Team Work

Digital Skills:

- Proficient in Microsoft Office (Excel, Word, PowerPoint)
- Programming languages and software, CAD and simulation: Java, Solidworks, BPMN, Fluxicon Disco (Process Mining), RStudio, Python, AnyLogic.

Management Skills:

- Project Management (Microsoft Project)
- Lean Manufacturing
- Agile Project Management
- Supply Chain Management
- Business Process Mapping
- Production Planning
- Design of Automatic and Manual Warehouses

TRAINING COURSES AND PUBLICATIONS

- Training Course "Global Mindset For A Global Work" – CAFRE University of Pisa.
- Linguistic Empowerment Workshop – CAFRE University of Pisa
- Chapter "In a Sea of Ethics" (pp. 46 – 51) in (Gianfaldoni S., Giannini M.) Ethics and Corporate Realities. The possible link. Pisa: TEP, 2020. Human Resources Series No. 9.
- Chapters "Sustainable leadership for the future" (p. 42) and "Working for a brighter future" (pp. 51 – 55) in (Gianfaldoni S.) Ethical and Sustainable Leadership: possible paths for new generations. Pisa: TEP, 2023. Human Resources Series No.10.
- Development of teaching materials for the seminar "Introduction to the use of ChatGPT for innovation management" on April 21, 2023 – Master Industry 4.0 Design: Enterprise Digitalization and 4.0 Technologies

CERTIFICATION

- ECDL IT–Security Certificate
- Certificate of Participation in the training course "Global Mindset For A Global Work" – CAFRE University of Pisa.
- Certificate of Participation in the Linguistic Empowerment Laboratory – CAFRE University of Pisa.