



## Europass Curriculum Vitae

### Personal information

Surname(s) / First name(s) **Visconti Federico**  
Address(es)  
Mobile  
E-mail federico.visconti@polimi.it  
Nationality Italian  
Date of birth 25/04/1979  
Gender Male

### Work experience

Dates June 2019 - today  
Occupation or position held Project Manager  
Main activities and responsibilities

- Responsible for development and introduction of new products
- Cross functional management of main aspects of new products: technical, materials procurement, costs, quality specs.
- Coordinate product design activities: mechanical, electronics (PCBA design), electrics (motor specs), fluid dynamics, thermodynamics
- Manage laboratory activities (aeraulic performance, electrical tests, noise emission, life test)
- Lead Thermodynamics, Fluid Dynamics and Acoustics competence
- Technical support to sales department
- Use 6th sigma techniques as a certified Black Belt
- Teaching and coaching activities

Name of employer Regal Corporation, Elco E-trade Climate division  
Type of business or sector Electrical motors and Fans  
Dates 2007-today  
Occupation or position held Contract professor, subject: "Fisica Tecnica" (Thermodynamics and Heat Transfer). (academic years 2006-2007, 2007-2008, 2009-2010, 2010-2011, 2011-2012, 2012-2013, 2013-2014, 2014-2015, 2015-2016, 2016-2017, 2017-2018, 2018-2019, 2019-2020)  
Teaching at Environmental Acoustic Master course, Master Fratelli Pesenti (academic years 2015-2016 2017-2018 2018-2019 2019-2020)  
Main activities and responsibilities Teaching  
Name of employer Politecnico di Milano  
Type of business or sector Education and Research

Dates	2018 - 2019
Occupation or position held	Washing lab lead engineer
Main activities and responsibilities	<ul style="list-style-type: none"> <li>• Manage tumble dryer laboratory</li> <li>• Lead thermodynamics and fluid dynamics competence into washing department</li> <li>• Coordinate testing activities in Italian and Turkey departments</li> <li>• Supervision of design activities in Italian and Turkey departments</li> <li>• Coordinate research projects with universities</li> <li>• Use 6th sigma techniques as a certified Black Belt</li> </ul>
Name of employer	Candy-Hoover Group
Type of business or sector	Household appliances
Dates	2010 - 2018
Occupation or position held	Project Leader at Innovation Center, R&D
Main activities and responsibilities	<ul style="list-style-type: none"> <li>• Coordinator of Aeraulic Competence Centre of the Group, an international cross functional team (including also Asian and South American Regions) aimed to components improvement, rationalization, part number and cost reduction. Coordinating project activities, defining goals, time and budget tracking.</li> <li>• Interfacing with company's management (at various functional levels) to define priorities.</li> <li>• Deliver product optimization by the use of Computational Fluid Dynamics Techniques</li> <li>• Deliver technological change for performance improvement and cost saving</li> <li>• Participate as "company reference expert" to Technical Commissions for Standards definition, for Performance Tests (ISO 23953), Product Safety (ISO 60335-2-89) and noise standards.</li> <li>• Use 6th sigma techniques as a certified Black Belt,</li> <li>• Teaching and coaching activities</li> <li>• Manage prototyping and testing activities within Corporate factories and Partner Labs, both following ISO standards and customizing test methods for specific target analyses</li> <li>• Coordinate and supervise research projects with Universities and Research Centers (Politecnico di Milano, University of Bergamo, CNR)</li> <li>• Protect Intellectual Property by dealing with patenting procedures.</li> </ul>
Name of employer	Epta Group
Type of business or sector	Commercial Refrigeration
Dates	2007 - 2010
Occupation or position held	Thermodynamics Senior Engineer at R&D Department
Main activities and responsibilities	<ul style="list-style-type: none"> <li>• Main activities on cloth tumble dryers, both on European and U.S. platforms; lead feasibility studies and development of innovative technologies for energy saving</li> <li>• Develop thermodynamics simulation codes (author of numerical codes for the simulation of dryer and washer thermodynamics). Deliver numerical codes into U.S. R&amp;D Depts</li> <li>• Improve team competencies through knowledge sharing and tutoring. Called in U.S. for teaching and tutoring (thermodynamics as applied to appliances)</li> <li>• Thermodynamics development of reference test benches for advanced studies. Relevant experience in delivering improvements on U.S. reference test bench</li> <li>• Use 6th sigma techniques as a standard approach as a certified Black Belt</li> <li>• Use modular approach for fastening innovation transfer into different platforms/products</li> <li>• Keep relations with worldwide departments (Engineering, Marketing, Production, etc.) in order to share innovation and transfer technology into different platforms</li> <li>• Protect Intellectual Property on time in order to lead innovations against competitors</li> </ul>
Name of employer	Whirlpool Europe s.r.l.
Type of business or sector	Household Appliances

Dates 2004-2007

Occupation or position held Consultant in the field of Acoustics

Main activities and responsibilities

- Room acoustics design (Church, School room acoustics design).
- Consultant on Noise Barriers design.
- Consultancies in environmental acoustics, for the application of Italian Law 447/1995 (acoustics insulation of buildings, noise emission evaluation, etc.)

Name of employer

Type of business or sector Engineering consultant

### Education and training

Dates 2004-2007

Title of qualification awarded Ph.D. (cum Laude)

Principal subjects/occupational skills covered Thermodynamics, Fluid dynamics, Acoustics, Numerical modeling, Computational Fluid Dynamics

Name and type of organisation providing education and training Politecnico di Milano, "Dipartimento di Energetica"

Dates 1998-2003 (final mark: 100/100)

Title of qualification awarded Building Engineer

Principal subjects/occupational skills covered Engineering

Name and type of organisation providing education and training Politecnico di Milano

### Personal skills and competences

Mother tongue(s) **Italian**

Other language(s) **English**

Self-assessment  
*European level (\*)*

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
Fluent	Fluent	Fluent	Fluent	Fluent

(\*) *Common European Framework of Reference for Languages*

Social skills and competences Proved attitude to leadership, able to influence and change people's working methodologies  
Teaching and leveraging people's competences  
Able to manage teams and to deal with multicultural contexts and diversity.

Organizational skills and competences Project management and leadership:

- Project planning
- Team leading
- Ideation, management and supervision of projects

Analytical mind, able to get the synthesis of the most significant topics in complex environments  
Determined in pursuing targets, able to approach complex problems in a creative and innovative way  
Excited by challenges, giving the best in innovative problem solving and in dealing with new perspectives

Technical skills and competences	<p>Thermodynamics and fluid dynamics</p> <ul style="list-style-type: none"> <li>- Heat and mass transfer (steady and transient).</li> <li>- Forced and natural convection</li> <li>- Moist air and evaporation processes</li> <li>- Multiphase, with particular focus on refrigerant fluids and related thermodynamic processes</li> <li>- CFD modeling, including advanced simulation techniques on unsteady problems (URANS, LES, DES), complex domains and large meshes (up to 40 Million cells), multiple physics (including buoyancy, radiation, moist air, moving domains), low Reynolds number simulation on natural convection</li> <li>- Thermodynamic mass-lumped modeling: author of thermodynamic numerical models for complex systems performances evaluation (including moist air and evaporation process)</li> <li>- Testing methodologies and instrumentation</li> </ul> <p>Acoustics</p> <ul style="list-style-type: none"> <li>- Environmental acoustics.</li> <li>- Certification as “Tecnico Competente in Acustica Ambientale” according to Italian Law 447/95</li> <li>- Room acoustics: experimental and modelling (including the applied knowledge of the Ray Tracing approach and of its variants)</li> <li>- Aeroacoustics: joint to CFD, particular focus on the application of acoustic analogies for low Mach number and high Reynolds Number flows</li> </ul> <p>Lean, 6th sigma, modularity</p> <ul style="list-style-type: none"> <li>- Systematic use 6th sigma and DOE approach in projects</li> <li>- 6th sigma Black Belt certification</li> <li>- Knowledge of Lean principles</li> <li>- Modular architecture proficiency certification</li> </ul>
Computer skills and competences	<p>Ansys Workbench (CAD and Meshing),  Ansys Fluent (CFD code)  The MathWorks – Matlab and Symulink  Open Foam (Open source CFD environment, knowledge as supervisor)  Bruel &amp; Kjaer - Odeon (Room acoustics simulation software)  Catt-Acoustics (Room acoustics simulation software)  Autodesk - Autocad  Minitab  Programming skills over various environments (Matlab, C++, VBA)</p>
Artistic skills and competences	Photography (Analogue, Dark Room developing and printing), Classical Music
Driving licence	Italian B category driving license

*Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali"*