

## PERSONAL INFORMATION



## Domenico Demuro

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Sex Male | Date of birth 30/06/1976 | Nationality Italian

## WORK EXPERIENCE

From Sep 2021

### Mechanical Systems – Casting Structures Senior Engineering Group Manager

PUNCH Torino S.p.A.

- Manage a team of Design Responsible Engineers, Design Engineers and Technical Leader, with responsibility in development, design, validation and release of Casting Components (e.g. Cylinder Heads and Blocks).
- Meet project deadlines; comply with budget, manufacturing and quality (DFMEA) requirements.
- Facilitate the relationship with suppliers, ensure product maintenance/optimization and manage in-field quality.
- Mentor, coach, and develop employee skills and career path. Support hiring and on-boarding processes for new employees or for internal job rotation.

**Business or sector** Product Engineering – Hardware Engineering

Jun 2019 to Aug 2021

### Cylinder Head and Accessory Drive Hardware Release Senior Engineering Group Manager

GM Global Propulsion System (Turin)

- Manage a team of Design Responsible Engineers and Regional Technical Specialists, with responsibility in development, design, validation and release of Cylinder Head and Accessory Drive.
- Meet project deadlines; comply with budget, manufacturing and quality (DFMEA) requirements.
- Facilitate the relationship with suppliers, ensure product maintenance/optimization and manage in-field quality.
- Mentor, coach, and develop employee skills and career path. Support hiring and on-boarding processes for new employees or for internal job rotation.

**Business or sector** Product Engineering – Engine Hardware Engineering

Mar 2013 to May 2019

### Thermostructural Analysis Senior Engineering Group Manager

GM Global Propulsion System (Turin)

- Manage a team of 25 people in Italy and India dealing with simulation of diesel engines components and sub-systems (thermo-structural, structural dynamic, bearings, oil circuit)
- Provide technical leadership in assigned functional areas of analysis and conduct math-based studies to support the development of the Small Diesel Engine Sector
- Mentor, coach, and develop employee skills and career path. Support hiring and on-boarding processes for new employees as needed

**Business or sector** Product Engineering – C&E analysis

Nov 2009 to Mar 2013

**Lead Analysis Engineer**

GM Global Propulsion System (Turin)

- Develop and maintain analysis plans, balance the workload, coordinate the activities, propose and support development of new analysis procedure for RLM (Road to Lab to Math) and DFSS.

**Business or sector** Product Engineering – C&E analysis

May 2006 to Nov 2009

**Analysis Engineer**

GM Global Propulsion System (Turin)

- Detailed planning and execution of assigned simulation activities, results analysis, creation of reports, harmonized standard analysis definition and implementation

**Business or sector** Product Engineering – C&E analysis: thermo-structural and dynamic (multi-body) analysis on diesel engine rotating and reciprocating components (crankshaft, connecting rod, piston) and exhaust manifolds

EDUCATION AND TRAINING

2017

**Architecture and Systems Engineering**

MIT – Massachusetts Institute of Technology

Professional Certificate Program with focus on Models and Methods to Manage Complex Systems

2016

**Circular Economy: an introduction**

Delft University of Technology

Online professional certificate on Circular Economy principles, with focus on how businesses can create value by reusing and recycling products, how designers can come up with sustainable solutions. The course is led by TU Delft and co-created with the Ellen MacArthur Foundation.

2005

**Degree in Mechanical Engineering**

Politecnico di Torino

Thesis: "Analisi numerica di pistone automobilistico" (Numerical analysis on diesel engine piston), with internship in Fiat – GM Powertrain, Torino.

1995

**Diploma di Maturità Classica**

Liceo - Ginnasio "E. DUNI", Matera

PERSONAL SKILLS

Mother tongue(s)

Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B1	B1	B1	B1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user  
Common European Framework of Reference for Languages

Social and Communication skills

- Communication skills: trainer on simulation technical topics as part of a GM internal training plan for new employees; representing analysis team to PE functions as LAE; GM training in giving presentation and communication; teacher in technical subjects for apprentice workers in engineering companies
- Team working: commitment to motivate direct and indirect reports and to promote a teamwork spirit, in the current role, with positive feedback from the management (GM/Punch performance assessment program); experience of activity management with no direct report people as LAE for more than 3 years; cooperation with other LAEs for analyses management; volunteer for disabled people care in "la Scintilla ONLUSS" for more than 10 years; custody of disabled person; member of Turin's University

Choir for 10 years

- Leadership effectiveness programs: Zenger Folkman extraordinary leader 360, Raise the bar for Excellence, GM Leadership Program, Workplace of Choice survey.

#### Organisational / managerial skills

- Activity planning and resources balancing: in the current role for salaried, contractors and off-shore resources assigned to my functional area, defining workload priorities and negotiating timing upon program needs
- Meet Analysis Plan requirements: experience as LAE for more than 3 years
- Analysis team goal achieving (analysis output delivered on time, design improvement): in the current role, support the team in technical problem resolution, contributing to analyse findings, proposing potential solutions and supporting on time execution

#### Job-related skills

- DFSS black belt (GM internal certificate): team leader for 2 projects (crankshaft design and piston skirt assembly optimization)
- Lead the process for reviewing reports and outputs to ensure adherence to standardized work
- Lead Road-to-Lab-to-Math activities to reduce development time and/or costs
- Ensure/strengthen process harmonization with the GM Analysis community, planning and supporting workload/know how/procedures sharing

#### Computer skills

- Good command of Microsoft Office™ tools
- Good command of FEM-Multibody Softwares: Altair Hyperworks, Abaqus, MSC Nastran, AVL Excite, FE-Safe.

#### ADDITIONAL INFORMATION

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I authorise the processing of my personal data for personnel research and selection purposes under D.Lgs. n.196 of 30/06/2003