



Simone Andrea Simonella

Email: simonella@sapo.pt

LinkedIn: <https://www.linkedin.com/in/ssimonella>

City: Porto, Portugal

Contact: +351 938635551

○ **Profile:**

Master Degree in Aeronautical Engineering with professional experience in R&D, Project Management, Design, Manufacturing, Quality. As an empathetic and open-minded team worker, I'm passionate about Problem Solving, Engineering, Team Leadership, Development, and Industrialisation.

○ **Work Experience** (BONTAZ Portugal):

**Since January 2022 – BCTP BONTAZ Portugal
Truck&Off-Road R&D Business Unit pole Manager Portugal**

Engines/Pumps hydraulic components Development & Industrialisation: Responsible of design/industrialization/validation of Engines/Pumps electro-hydraulic components inside the business unit reporting to the BU Director seated in France. Responsible for definition and driving the DFMEA and DVP-Product Design Validation Plan. Coordination of a Team of 12 engineers.

- Design/Validation/Industrialisation of hydraulic components
- Management of the R&D business unit performance KPI/VAN/ROI/Project Financial Ratios
- Key Referent user of the new ERP software

○ **Work Experience** (PTC Group):

**May 2021 – December 2021– PTC Group Portugal
RTM [Resin Transfer Molding] composites Continuous Improvement Manager at TEIJIN Automotive Technologies for project Porsche 992GT3 @Palmela/Setubal (PT).**

○ **Work Experience** (Assystem Iberia & Expleo Iberia):

**January 2016 - March 2021 – PSA Group Velizy (FR), PSA Vigo (SP), PSA Madrid (SP)
CLA Component Leader Applicative for K9 PSA Project + C41E PSA Project**

Sheet Metal & Plastic Parts Development & Industrialisation: Responsible of design/industrialization of complete side-body car module as well *Visibility* products (*roof panel, side-view mirror, windows*). Responsible to ensure the matching between product expected quality and supplier product performance. Responsible to drive the QAU (quality at usage) defect analysis and monitoring of supplier IPV-Internal Product Validation Plan.

- Design/industrialization of side-body: sheet-metal/plastics/sealing/modules.
- Management of the engineering change requests (ECR).
- Management of supplier's product maturity ensuring its readiness before vehicle launch and during serial production.
- Driving of the design optimisation process sharing with PSA design expertise.
- Management of inter-performance activities (aerodynamic noises, sealing/watertightness, audio)
- Monitoring and reporting products IPV suppliers activity.
- PLM/ENOVIA product lifecycle management
- APQP management

Suppliers: Antolin (door Trim Panels, door Glass Elevators) Webasto (Roof Panel), Saint Gobain, Akwel (draining), Standard Profil (dynamic/static sealings), Hutchinson (dynamic sealings), SMR (side-view mirror), Edscha (door checks), Howa Tramico (roof trims), Simoldes Plásticos (plastic trims), AD Plastik (guide run channels), Brose GmbH (glass gearmotor), Faurecia (trunk trim carpets), Reiter-Autoneum (front/rear trim carpets & insonos), GMD (sheet metal),

**January 2015 - December 2015 – RENAULT España Palencia (SP)
Supplier Quality Engineer (SQA)**

Supplier Quality Engineer: continuous monitoring of supplier quality performance, quality risks analysis, define actions and ensure availability of parts in the requested quality along the project milestones. On-site supplier (FAURECIA) assessments and audits.

- Supplier development to improve products and process quality through risk assessments.
- Process/Product FMEA reviews and on-site process analysis.

- Management of supplier quality claims covering evaluation of 8D reports, measures definition&monitoring as well as claim closure.
- Management of supplier's process maturity and ensure readiness before vehicle launch

September 2008 - December 2014 – AGUSTA-WESTLAND Yeovil/Bristol, UK
R&D Engineering Team Leader for Agusta-Westland R&D

Sheet Metal & Plastic Parts Development & Industrialisation: sheet metal and plastics components design and development, Reversal Engineering and Digital Mock-up of complete Hydraulic Systems for military rotary-wing aircraft/s AW101, AW159:

- Responsibility for the on-job training of the design team.
- Hydraulic equipments design, installation and routing/re-routing of pipe/looms assemblies.
- Design of complex aerostructures (transformations from composite to monolithic structure)
- Bending data management and engineering support to customer installation facility (Agusta Westland UK).
- Installation Drawings creation and management until the serial production phase.
- KPI-Project Schedule Performance Index & Variance analysis; costs monitoring (CPI analysis).
- VPM product structure management (BOM creation and update) and SAP functionalities.

April 2007 - May 2008 – MGI Coutier España VIGO (SP)
Tool/Process Engineer (RPM: Responsable Proyecto de Métodos)

Tool Development Engineer for plastic & metal components: Injection Moulding & Sheet Metal tool development specialist at PSA (for B9: PEUGEOT Partner /CITROEN Berlingo) and RENAULT (for RENAULT Kangoo). Continuous monitoring of supplier quality performance, quality risks analysis, define actions and ensure availability of parts in the requested quality along the project milestones.

- Tool/Process definition/follow-up from prototypes until the start-up phase and during serial production.
- Supplier development to improve process/product quality through risk assessments.
- Process/Product FMEA and PCP (control plan) reviews and on-site process analysis.
- Management of supplier's process maturity and ensure readiness before vehicle launch

March 2004 - December 2006 – MITSUBISHI-FUSO Trucks Europe (Tramagal, Portugal)
Supplier Quality Engineer (SQA) & Process/Product Development Engineer

Sheet Metal & Plastic Parts Development & Industrialisation: Stamping/Cutting and Injection Moulding tools specialist development for the New Mitsubishi Canter model; continuous monitoring of supplier quality performance, quality risks analysis, define actions and ensure availability of parts in the requested quality along the project milestones

- Tool/Process definition and follow-up from prototypes until the start-up phase and during serial production.
- Spare parts management and monitoring for off-line incomplete vehicles.
- Process/Product FMEA reviews and on-site process analysis (at *suppliers/customer facilities*).
- Management of supplier's process/product maturity ensuring readiness before vehicle launch

Suppliers: DVA (sheet metal components), Grupo Simoldes Plásticos (tools for plastic trims), Moldomecanica (sheet metal cutting), Moldicorte (sheet metal cutting/stamping), Veneporte (exhaust systems), Epedal (sheet metal cutting/stamping/welding)

April 2003 - February 2004 – FAURECIA Interior Systems Tarazona(SP), Hagenbach(D)
Tool Engineer and Process/Product Development Engineer for Mercedes NCV2 Project

Plastic Parts Development & Industrialisation: Tool Engineer for interior subsystems of Mercedes Vito/Viano (NCV2 Program):

- Product/Process definition/follow-up from prototypes until the start-up phase and during serial production.
- Management of supplier's process/product maturity ensuring readiness before vehicle launch.

October 1999 - April 2003 – Product & Process Engineer

CAD/Industrial Engineer (April 2002/March 2003): Design of special equipments such as semi-automatic assembly machines, manipulators and control gauges. **Customers:** Renault, Visteon, Simoldes Plásticos, Bosch.

CAD/Industrial Engineer (October 2001/April 2002): development of a semi-automatic cutting/drilling/washing /assembly Machine for the production of a *pre-heating burner*. Integration of a *Siemens Profibus Controller*. **Customer:** VULCANO Grupo BOSCH AVEIRO Portugal.

Product Engineer (October 1999/September 2001): Product engineer at *FAURECIA Interior Systems Palmela* Portugal. Tool/Process definition and follow-up from prototypes until the start-up phase and during serial production. Management of supplier's product maturity and ensure readiness before vehicle launch.

○ **Education and Training:**

1990-1997: Degree in Aeronautical Engineering at POLITECNICO Torino-Italy

1998-1999: Equivalence of degree in 1999 at the University UBI Covilhã, Portugal

1999 : Chartered Engineer Certification at University LA SAPIENZA Rome, Italy

○ **Technical skills and competencies:**

- Development & Industrialisation of vehicles (plastics and metallic components)
- PLM ENOVIA Platform (product lifecycle management)
- APQP management / Quality grids & milestones management
- ECR (Engineering Change Request) management
- PIV/IPV Internal Product Validation Plan planning & follow-up
- Durability/Usability (QAU)/Homologation tests follow-up
- KPI synthesis & communication
- Statistics Analysis & Metrologic Analysis
- Operating Safety Application (Dependability)
- BS/ISO Principles for Engineering Drawing and GD&T (2010, Smallpeice Enterprises UK)
- Helicopter Training Academy (2008, AGUSTA-WESTLAND Yeovil, UK)
- Course on Project Management Techniques (2003, ANJE/National Board of Entrepreneurs –Porto)

○ **Computer Skills:**

- Catia V5/V4, 3D Solid Modelling and Advanced Surfacing Techniques
- Catia V6 (ENOVIA/PLM environment)
- PLM/ENOVIA
- Catia V4, Piping and Tubing Design
- Catia V4, Electrical Harness Installation
- APQP grids/milestones management inside ENOVIA PLM
- VPM, Virtual Product Modeling
- SAP R/3 (drawings and product modifications management)
- Microsoft Office and Microsoft Project.

○ **Languages: understanding/speaking/writing**

Portuguese : Proficient User

French: Proficient User

English : Proficient User

Spanish: Proficient User

Italian : Mother tongue

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
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○ **Contact persons & References:**

- Engineering Manager Mitsubishi Portugal – Mr. Jorge Buco - phone: +351-241 89 98 00.
- R&D Manager Mitsubishi Portugal – Mr. Rui Correia - phone: +351-241 89 98 00.
- Engineering Manager Product Line Europe Faurecia Innenraum Systeme GmbH
Mr. Günther Detering - phone: +49 178 7240 048 - guenther.detering@faurecia.com
- Methods Manager MGI Vigo/Spain (currently @ GESTAMP) – Mr. sgourdon@hu.gestamp.com
- R&D Manager Agusta Westland Portugal – Mr. Alan Stallard – phone: +351-91 051 43 64.
- SQA Manager RENAULT Valladolid Plant - Rodrigo G.Terradillos <https://www.linkedin.com/in/rodrigo-garcia-terrabillos-b5bbb249>
- Program Manager Assystem FR – Philippe Müller (currently FORSEE Power) philmuller0267@gmail.com
- Expleo Portugal Manager (former) – Mr. Jorge Rocha - phone: +351-93 426 4733 jorge.costa.rocha@sapo.pt