

Personal information

First name / Surname **Carla G. DE LUCA**
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Nationality /
Date of birth /
Gender /

Skills Profile and desired employment / Occupational field

I am a Ph.D. and Industrial Engineer, currently working at Electrolux as Program Manager for Sustainability within the PMO, Group Purchasing.

I also own a previous quite long and deep experience in the academic research field, since I got my Ph.D. in Mechanical Engineering working in the aerospace sector.

Myself in a nutshell: energetic, empathic, resilient, assertive, persuasive, collaborative, perfectionist. I am a passionate, visionary and business-minded person targeted to results and innovation. I am a high-energy self-starter, both a strategic thinker and detail oriented, looking to make a substantial impact on anything I do. Leadership model: energy, openness, agility and growth.

Work experience

Dates May, 1st, 2019 - Today
Occupation or position **Sustainable Procurement Program Manager**
Name and address of employer Electrolux, PMO, Group Purchasing, Susegana, Treviso, Veneto, Italy.

Main activities and responsibilities

As one of the most important Companies leading household appliances market worldwide, Electrolux want to lead on Sustainability and shape living for the better. One of our missions is to become a sustainable consumer experience innovation driven company, also by minimizing the environmental impact from operations for both us and all our strategic suppliers. The Sustainable Procurement Program, which covers all Direct Material, Indirect Material and Logistics suppliers globally, was created and developed with the aim to address the need for value-based sourcing and to unlock the value of Sustainability in accelerating profitable growth: driving our Supply Chain in a more sustainable and responsible way, by including and incorporating social and environmental factors along with the financial and operational parameters in the decision making process.

Some of my main responsibilities:

- Sustainable Procurement Program: vision creation and program development
- Facilitate and accelerate the transformation of the whole Group Purchasing organization, at every level, towards managing suppliers in a more holistic way
- Multi-stakeholder engagement, collaboration and coordination (both internal stakeholders, at every level in the organization, and external stakeholders, third parties and consultants)
- X-functional and x-business area role (global responsibility)
- Ensure homogeneous development and roll-out of Purchasing methods and processes, clear progress reporting, corrective action planning and supporting professionalization in Purchasing on all sustainability-related topics/initiatives
- People training (internally, within Purchasing, and with suppliers)
- Consistently and widely communicate (both internally and externally) about the program vision, direction, execution, targets and achievements
- Continuously ensure that the program is consistent and coherent with company targets and Sustainability roadmap/framework
- Support, facilitate and accelerate the transition towards a low-carbon economy, both for our suppliers and us
- Responsible for the annual disclosure with CDP of about 350 identified key suppliers, globally; responsible also for the strategy definition on how to approach them and define/develop/follow-up their improvement plans in order to ensure performance improvement year over year
- Leading/managing the environmental assessment for all key suppliers, monitoring their environmental performance, and ensure they can continuously improve year over year
- Develop forward-looking proposals for sustainability initiatives, to initiate and support Purchasing organization and suppliers with long-term strategies and program management
- Help align/scale up strategies and local initiatives globally and support the corporate long-term direction
- Ensure/oversee the implementation of sustainable practices along the whole Supply Chain
- Scout/identify/select key partners to stick with and develop/support all sustainability initiatives

Type of business or sector

White Goods

Dates

July, 1st 2017 – April, 30th, 2019

Occupation or position held

EMEA Commodity & Advanced Purchasing Manager

Name and address of employer

Electrolux BA Europe – Purchasing Food Preservation, Susegana, Treviso, Veneto, Italy.

Main activities and responsibilities	<p>Purchasing organization mission's is to support the company in delivering on-time with perfect quality at the right cost, so that as a company we can live up to the expectations of our customers. I, as 180 colleagues of 22 different nationalities, operated both at central and plant level and collaborated with a panel of international suppliers engaging them with our internal business partners (Sales, R&D, Quality, Manufacturing & Engineering, Product Line, Marketing, Finance etc.). I relied on building strong cooperation, focusing on innovation, quality and development of long-term relationships with my strategic suppliers. As I operated in a dynamic, international and competitive environment, I counted on my well-developed social capabilities and good set of technical and financial skills to get me through the day.</p> <p>As EMEA Commodity & Advanced Purchasing Manager, I was responsible for my commodity budgets on a total annual TO of about 70MEur, building and deploying purchasing strategies, performing sourcing activities and driving results for all the plants in Europe, in close cooperation with suppliers and internal stakeholders. Main activities:</p> <ul style="list-style-type: none"> • develop a good relationship with key peers (Purchasing, Quality, Product Line, R&D, Operations); • hold the complete relationship with suppliers; • actively contribute in meetings, projects and events; • develop and deploy the commodity strategies; • foster innovation input from suppliers and promote it into the organization; • plan, organize and drive the best sourcing activities. <p>All this while keeping company's values and priorities in check.</p> <p><u>Electrolux Purchasing Award 2018 winner (Additive Manufacturing: first Electrolux pilot for plastic injection moulding of plastic drawers)</u></p>
Type of business or sector	White Goods
Dates	<u>July, 1st 2015 – June, 30th 2017</u>
Occupation or position held	EMEA Purchasing Project Manager and Innovation catalyst
Name and address of employer	Electrolux Major Appliances Europe – Purchasing Food Preservation, Susegana, Treviso, Veneto, Italy.

Main activities and responsibilities	<p>As Purchasing Project Manager, I drove and coordinate all Purchasing/R&D/Industrial Operations projects and innovation activities. I was responsible for monitoring, follow-up and reporting, highlighting all possible criticalities affecting projects achievements. I was also the reference for driving Innovation within Purchasing, all other functions and suppliers.</p> <p>Main activities:</p> <ul style="list-style-type: none"> • coordinate and drive purchasing activities to achieve planned results • execute activities dictated by purchasing leadership for specific commodities, organizing and executing the RFQ process according to the agreed upon rules and processes • warn and escalate on project criticalities/problems • for each project, coordinate the commodities activities to reach and exceed the targets (financial targets, timing targets, quality targets, logistics targets, special projects) • have a proper up-to-date reporting and administration on the projects and Innovation ideas (regular status update, point out of criticalities with early warnings where necessary, proactive approach on project coordination, proper communication on project status to management & peers, deliverables for purchasing report at check points) • being an information share point for the organization (communicate and align with CMs and R&D PLs, involve all stakeholders before making a decision, interact with Quality to support Quality improvement activities, one-voice approach to suppliers) • Being the purchasing only interface for Innovation. <p>Additionally, also driving cross PLs/cross functional teams on several pilot projects (e.g. Additive Manufacturing) and training/education initiatives (e.g. Target Cost Management Process; Cost Engineering process; Mold Flow Analysis education program for Purchasing people).</p>
Type of business or sector	White Goods
Dates	<u>January, 15th 2013 – June, 30th 2015</u>
Occupation or position held	Laboratory Manager - Senior System Engineer, Systems Simulation & Patents Coordinator
Name and address of employer	Electrolux Major Appliances Europe – Food Preservation, R&D Cold Laboratory, Susegana, Treviso, Veneto, Italy.
Type of business or sector	White Goods
Dates	<u>May 2010 – November 2013</u>
Occupation or position held	Ph.D. Student and CFD Analyst in Energy Systems and Environment, XXV cycle <i>Thesis: "Active Flow Control of Separated Flows in Turbomachinery by Continuous and Synthetic Jets"</i>

Main activities and responsibilities	<p>The research activities concerns the <u><i>active flow control using synthetic jet and plasma actuators</i></u>. Two main application fields: active flow control on airfoils (for aeronautic applications) and active flow control in turbo-machineries (particularly, in a highly - loaded subsonic compressor stator cascade). <u>Research keyword</u>: CFD, synthetic jet, boundary layer suppression on airfoils, aerodynamic efficiency, optimizing wings loading, drag reduction, lowering fuel burns.</p> <p><u>Activities linked to my research</u>:</p> <ul style="list-style-type: none"> - Ansys CFX - EnginSoft S.p.A., Kilometro Rosso Science and Technology Park, Bergamo. - Ansys Workbench for CFD: preprocessing tools and parametric analysis - EnginSoft S.p.A., Kilometro Rosso Science and Technology Park, Bergamo. - Advanced course in CFD - Computational Fluid Dynamics - (commercial and open source codes for fluid dynamics analysis – ANSYS FLUENT, AVL, KARALIT, OPEN FOAM), at Department of Engineering for Innovation of University of Salento. - XII UIT Summer School in Computational Thermo-Fluid-Dynamics (Charterhouse of Pontignano, Siena, Tuscany, Italy, 10 – 15 September, 2012). - “Mathematical Analysis of the Navier-Stokes Equations” course - Prof. Paolo Giovanni Galdi - Leighton E. and Mary N. Orr Professor of Engineering, Professor of Mathematics at University of Pittsburgh. - Advanced course in Fluid-dynamics held by Eng. Paolo Oresta (University of Salento, 2011). - Labview course held by Eng. Fabrizio Naccarato (University of Salento, 2011). - 66th ATI National Congress (University of Calabria, Rende, Cosenza, Italy, September 5 – 9, 2011). - “41st AIAA Fluid Dynamics Conference and Exhibit” (Honolulu - Hawaii - Hawaii Convention Center, June 27 – 30, 2011). - 65th ATI National Congress (Domus de Maria, Cagliari, Sardinia, Italy, September 13 – 17, 2010). - “Fundamentals of microscale heat transfer: boiling, condensation, single and two - phase flows” course (Lausanne, EPFL, Switzerland, June 7 – 11, 2010). <p><u>Student Member of the American Institute of Aeronautics and Astronautics (AIAA)</u> for the years 2011 and 2012.</p> <p><u>Published papers</u>:</p> <ul style="list-style-type: none"> - <u><i>Comparison between synthetic jets and continuous jets for active flow control: Application on a NACA 0015 and a compressor stator cascade</i></u>: C.G. De Luca, M.G. De Giorgi, A. Ficarella, F. Marra – Aerospace Science and Technology, Elsevier, March 2015. - M.G. De Giorgi, S. Traficante, C. G. De Luca, D. Bello, A. Ficarella - Active flow control techniques on a stator compressor cascade: a comparison between synthetic jet and plasma actuators” - ASME Turbo Expo 2012, Copenhagen, Denmark, 11 – 15 Giugno 2012. - M.G. De Giorgi, C. De Luca, A. Ficarella – Attuatori a fluido per il controllo attivo di flussi aerodinamici – Atti di Congresso: 66° Congresso Nazionale ATI, Rende (Cosenza), 5 – 9 Settembre 2011. - M.G. De Giorgi, C. G. De Luca, P.M. Congedo – Analisi tecnico-economica di un impianto di trigenerazione a servizio di un agglomerato residenziale – Atti di Congresso: 65° Congresso Nazionale ATI, Cagliari, Settembre 2010.
Name and address of employer	Department of Engineering for Innovation – University of Salento, Ecotekne hub – Building “Corpo O” – Via per Monteroni, 73100 Lecce, Apulia, Italy.
Type of business or sector	Academic Research, Aerospace, Turbomachinery

Education and training

<p>Dates</p> <p>Title of qualification awarded</p> <p>Name and type of organisation providing education and training</p>	<p><u>October – December 2019</u></p> <p>Business Sustainability Management</p> <p>University of Cambridge, Institute for Sustainability Leadership (CISL)</p>
<p>Dates</p> <p>Title and qualification awarded</p> <p>Name and type of organization providing education and training</p>	<p><u>2010 - 2013</u></p> <p>Ph.D. in Energy Systems and Environment, cycle XXV</p> <p>Department of Engineering for Innovation – University of Salento, Ecotekne hub, building “Corpo O” – via per Monteroni, 73100 Lecce, Apulia, Italy</p>
<p>Dates</p> <p>Title of qualification awarded</p> <p>Name and type of organisation providing education and training</p>	<p><u>2007 - 2009</u></p> <p>Master Degree in Mechanical Engineering, thesis on "Technical and economic analysis of a tri-generation plant serving a residential cluster", vote 110/110 cum Laude.</p> <p>University of Salento, Lecce, Apulia, Italy.</p>
<p>Dates</p> <p>Title of qualification awarded</p> <p>Name and type of organisation providing education and training</p>	<p><u>2001 - 2007</u></p> <p>Master Degree in Industrial Engineering (Organization Management), thesis on "Process re-engineering within a public administration", vote 110/110 cum Laude.</p> <p>University of Salento, Lecce, Apulia, Italy.</p>
<p>Dates</p> <p>Title of qualification awarded</p> <p>Name and type of organisation providing education and training</p>	<p><u>1993 - 1998</u></p> <p>High school diploma specializing in scientific subjects.</p> <p>Scientific High School “G. C. Vanini” in Casarano (Lecce, Apulia, Italy).</p>

Other language(s)

Self-assessment

European level ()*

Language

Language

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	English	C2	English	C2	English	C2	English	C2	English
B1	French	B1	French	A1	French	A1	French	A2	French

(*) [Common European Framework of Reference for Languages](#)

Social skills and competences

Volunteering in drug addiction rehabs.

Organisational skills and competences	PHYSICAL ORGANIZATION: dedication, assessment, attention to/handling details, coordination, creative and systemic thinking, focus on innovation, effectiveness, identifying problems and resources, task analysis/assessment/resolution, workflow analysis and management, prioritization, managing appointments. PLANNING: achieving results, budgeting, deadlines management, decision-making, problem solving, program management, project management, prediction, strategic planning, research. TEAMWORK: collaboration, communication, confidence, driving and inspiring others, facilitating, accelerating, harmonizing, motivation, conflicts management, team building, time management, implementing decisions, meeting goals, negotiation, persuasion, presentation, public speaking, responsibility, integrity, taking charge, teaching, training, attentive listening, working with others.
Computer skills and competences	Computer knowledged
Artistic skills and competences	Singer, pianist, designer, painter
Other skills and competences	Passionate about Maths, Physics, Astrophysics, Medicine, crossword, puzzles, riddles and encryption. Volleyball player, Yoga trainer.
Driving license	B, car owner.

I hereby authorize you to process my personal data included in my job application for the needs of the recruitment process.