Oscar Rodolfo Ortega Alvarado

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EDUCATION

2021 – 2024   **Albert-Ludwigs-Universität Freiburg**, Freiburg im Breisgau, Germany
MSc. Renewable Energy Engineering and Management - GPA 1.3 (Outstanding Achievement)
2012 – 2017   **Instituto Tecnológico y de Estudios Superiores de Monterrey**, Toluca, Mexico
BSc. Industrial Engineering with a minor in Systems Engineering (Graduated with honours)

PROFESSIONAL EXPERIENCE

04/2024 – Today   **Graduate Research Assistant**, Fraunhofer ISE - Freiburg im Breisgau, Germany
- Analyzed environmental data (LCI´s modelling) to support sustainable practices in PV production
- Quantitatively calculated the amount of key materials used in the production of c-Si PV technologies using a Python-based material flow analysis (MFA) model

09/2023 – 03/2024   **Master Thesis,** Fraunhofer ISE & ESMC - Freiburg im Breisgau, Germany
- Coordinated & performed +15 interviews with different stakeholders (C-level executives) from PV Manufacturing companies, resulting in the publication of the article "An in-depth look at the ingot-wafer supply chain" by the European Solar PV Industry Alliance (ESIA)

07/2022 – 12/2022   **Project Management (Internship)**, European Gas Research Group (GERG) - Brussels, Belgium
- Project management for R&D decarbonization projects (Methane emissions leakage detection, Mix of H2 to the Gas pipelines). Collaboration with industry, academia and governmental bodies including the European Commission

01/2020 – 09/2021   **Order and Delivery Manager**, Ericsson Telecomm - Guadalajara, Mexico
- Led the supply chain operations, overseeing the delivery of telecommunications technology to clients across Mexico and Central America.
- Enhanced delivery times, optimising costs and service quality through calls and negotiations with manufacturers, distribution centres, suppliers, and logistics service providers

04/2018 – 12/2019   **Supply Chain Operations Supervisor**, DHL Supply Chain - Mexico City, Mexico
- Implemented proposals resulting in a 15% productivity increase on the production line of an assembly plant. Experienced working across diverse industrial sectors, including energy, automotive, and pharma

07/2017 – 03/2018   **Business Analyst,** Nadro - Mexico City, Mexico
- Led the S/4 Hana implementation of the Sales and Marketing modules translating business requirements into functional solutions. Served as a bridging role between business leaders and technology consultants.

SKILLS & KNOWLEDGE

Interpersonal Skills	Team player, Proactive, Leadership, Problem-solver	Ability to work under pressure, Sense of urgency
	Self-driven and Self-motivated, Results-oriented	Strong Communication and Presentation skills
Technical	Project Management, Customer Service, Order Management	Data-driven: Data analysis, Statistics Process Improvement: Lean Six Sigma Yellow belt certified
	ESG & Sustainability: Life Cycle Assessment(LCA) - ISO 14040/14044	Supply Chain Risk Analysis (supply concentration and ESG), Supply Chain Environmental Impact (EEIO & MRIO)
Languages	Spanish – Native Speaker English – Full Professional Competency German – German (Currently improving proficiency - B2)	
Software	MS Office	Python programming language
	ERP (SAP, Oracle), SAP TMS (Logistics transportation)	OpenLCA, SimaPro