



Erdem Özdemir



Personal Information

Date of birth: 1989 **Nationality:** Turkish & German **Address:** Alsdorf, Germany
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Employment History

Head Of Application & Process Technology Yizumi Germany GmbH

06/2020 – present ALSDORF, GERMANY

Technical Leadership:

- Spearheaded end-to-end development of industrial additive manufacturing processes, bridging the gap between part design and full-scale production.
- Engineered a proprietary high-throughput extruder from initial concept through to factory-floor integration, significantly increasing output capacity.
- Designed and delivered fully automated manufacturing cells to scale 3D printing capabilities.

Strategic Planing:

- Handled production resources to optimize output in a fast-paced industrial environment.
- Engineered internal workflows and organizational structures that eliminated bottlenecks and accelerated project lifecycles.
- Achieved a 100% success rate on customer projects for on-time delivery and budget adherence.

Business Growth:

- Captured 70% of total machine sales through technical leadership and high-impact application demos.
- Delivered 85% cost reductions for clients via specialized technical consulting and process optimization.
- Consulted on customer ROI and business development, speeding up the transition from lead to long-term partner.

Head Of Production Planning & Machine Design Yizumi Germany GmbH

07/2019 – 06/2020 AACHEN, GERMANY

- Designed a modular product family of industrial additive cells optimized for seamless automation.
- Led cross-functional teams (Germany, China, Türkiye) to manage global production of automated manufacturing systems.
- Delivered 100% of global projects on time and within budget through rigorous milestone tracking.
- Achieved 30% cost savings by implementing strategic Design-for-Manufacturability (DfM) optimizations.

Business Consultant Axialyze SPRL

08/2018 – 07/2019 KREFELD, GERMANY

- Delivered 100% of complex supply chain projects on time and within budget, carrying off the full lifecycle from concept to final rollout.
- Optimized operations using SQL and statistical simulations, leveraging data to drive decision-making and identify efficiency gains.
- Secured new business by providing data-backed insights and strategic support to Key Account Managers during the sales cycle.



Employment History

Graduate Engineering Trainee & Master Thesis Student Robert Bosch GmbH

10/2016 – 09/2017 BAMBERG, GERMANY

- Reduced Li-ion battery heat generation by 20% through FEM-based geometric modeling and simulation.
- Accelerated design optimization by implementing rigorous Design of Experiments (DoE) frameworks.

Simulation Engineer Inka Fixing AS

02/2013 – 08/2013 ISTANBUL, TÜRKIYE

- Designed and simulated industrial pipe supports, ensuring structural integrity under high-load conditions.
- Validated simulation models against physical test stand data to ensure 100% accuracy in real-world performance.



Education

Computer Aided Mechanical Engineering | M.Sc RWTH Aachen University

2013 – 2017 AACHEN, GERMANY

Specialization: Conception, Design and Simulation

Mechanical Engineering | B.Sc Istanbul Technical University

2007 – 2013 ISTANBUL, TURKEY

Specialization: Machine Design



Skills

- HARD SKILLS

Microsoft Office

Additive Manufacturing

CAD

CAM

AI Workflows

Project Management

FEM Simulation Tools

Supply Chain Management

SQL Data Analysis

- SOFT SKILLS

Decision Making

Problem Solving

Communication

Leadership

Strategic Planning

- LANGUAGES

Turkish

German

English

Bosnian-Serbian-Croatian



Awards

Employee Of The Year Yizumi Germany GmbH

2023