

# Cenk Karakuz

cenkkarakuz@gmail.com | (+1) 778-919-3107 | Vancouver, BC | [linkedin.com/in/cenkkarakuz](https://linkedin.com/in/cenkkarakuz)

## PROFESSIONAL SUMMARY

Results-driven industrial engineer with over 12 years of experience in project management and resource optimization, recognized for spearheading cost control and process improvement initiatives in the defense, aerospace, and manufacturing sectors. Possesses a Master's degree and PMP certification, alongside advanced expertise in data analytics and project documentation using tools like Microsoft Excel and Power BI.

## EXPERIENCE

Seaspan ULC.

- Orchestrated project cost baselines and developed comprehensive cost estimates, enhancing project financial forecasting accuracy by [15-20] %.
- Executed monthly cost and schedule variance analyses, pinpointing budget trends and recommending corrective actions to minimize overspending.
- Deployed project change management processes, ensuring precise reporting and mitigating scope creep effectively.
- Supported the Program Controls team during annual budgeting and forecasting, consolidating data into detailed Shipyard PMB budgets to optimize resource allocation.
- Engineered analytical reports to enhance Earned Value Management (EVM) processes, improving operational insights and decision-making.
- Conducted ad hoc analyses and fulfilled additional duties as required, contributing to overall project success.
- Developed actionable operational metrics and real-time dashboards using Power BI, enabling enhanced tracking of project performance.

Turkish Aerospace Inc. (TAI)

- Spearheaded resource and capacity planning for aerospace projects, integrating workforce planning with strategic budgeting and forecasting.
- Monitored detailed manufacturing processes to ensure alignment with project baselines and budgeted hours, improving adherence by [10-15] % to timelines.
- Conducted thorough cost variance reporting and analysis, producing EVM reports (EAC, ETC, VAC, TCPI) using Excel, Power Query, SQL, and Power BI.
- Evaluated and updated workforce and machine capacity, mitigating risks associated with baseline changes and optimizing resource utilization.
- Forecasted resource needs for New Part Introduction (NPI) projects, providing precise projections for customer RFQs and enhancing customer satisfaction.
- Collaborated with S&OP teams to develop and implement risk mitigation strategies, effectively coordinating resource allocations.
- Performed capacity assessments for new projects, offering sourcing recommendations and presenting investment opportunities to executives.

- Audited supplier capabilities and participated in customer audits to ensure resource alignment and compliance with procedures.

## TUSAS Engine Industries Inc. (TEI)

- Directed production planning and Lean Manufacturing initiatives, ensuring alignment with project timelines and maintaining quality standards.
- Outlined customer needs and collaborated with cross-functional teams to streamline machine parts planning, enhancing customer relations.
- Oversaw Lean Manufacturing activities, maintaining rigorous quality standards and driving continuous improvement.
- Facilitated supplier scheduling and monitored execution, ensuring production flow and mitigating delays effectively.
- Reviewed and optimized manufacturing routes, reducing inefficiencies and boosting delivery reliability by [10-15] %.
- Fostered positive professional relationships with team members and stakeholders, enhancing collaboration and project outcomes.

## Eczacibasi Building Materials, Artema-Faucet Division

- Managed TPM projects, coordinating teams effectively to meet project objectives and timelines.
- Implemented and oversaw continuous improvement initiatives, including 5S, SMED, and Kaizen, driving operational excellence.
- Upheld health and safety standards, ensuring compliance across all operational processes.
- Analyzed key performance indicators (KPIs), addressing underperformance and implementing solutions that improved metrics by [15-20] %.
- Successfully optimized production layouts, enhancing workflow and operational efficiency significantly.
- Consistently surpassed KPI targets while maintaining high standards of service quality and efficiency.

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## EDUCATION

### **City University of Seattle**

Bachelor of Arts in Management

01/2023 | GPA: 3.79

### **Hacettepe University**

Master of Science in Industrial Engineering

01/2019

### **Bilkent University**

Bachelor of Science in Industrial Engineering

01/2010

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## SKILLS

**Technical:** Microsoft Excel (Power Query, Advanced DAX, M Language), PostgreSQL, Power BI, Excel Macro, SAP BI, Deltek COBRA, Arena, MINITAB, Excel VBA, HTML