

TUGCE KARAS SONUCAR

Senior Project Engineer



Summary

Over 12 years of expertise managing projects and designing processes in both basic and detailed engineering for global projects. The primary areas of accomplishment include successful management of small to medium-sized Basic and Detailed Engineering projects; demonstrated interpersonal skills; coordination of subcontractors' work; efficient workflow and adherence to quality standards; motivation from challenging environments. Currently, working on the multiple proposals at the same time.

Experience Highlights

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| 2024 - 2025 | Senior Project Engineer, Worley Istanbul
Project Name – MGS-3 Building Scope
Coordination between the Worley Turkey and Worley Al-Khobar offices, including technical details, change management, and client comments. |
| 2023 - 2024 | Senior Project Engineer, Worley Istanbul
Project Name – SASA MTR Plant
Ensuring that engineering is completed in accordance with the plan by assisting with design interpretation and generating the necessary process engineering deliverables, as well as coordinating the process engineering operations with other offices and subcontractors. |
| 2021 - 2023 | Senior Process Engineer, TEKFEN Mühendislik A.Ş. Istanbul
Project management experience in international projects during basic/detailed engineering. As Project manager of two Basic Engineering Design projects in İzmit & İzmir TUPRAS Refineries completed the projects on time within budget. |
| 2012 - 2020 | Project Engineering Coordinator, Wood plc Istanbul |

Education

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| 2006 - 2011 | B.S. in Chemical Engineering, Yeditepe University (100%Scholarship), İstanbul |
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Experience Detail

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| 2023 – current | Senior Project Engineer, Worley, Istanbul
Suudi Aramco - Master Gas System Expansion Phase III – Building Scope (2024 – 2025)
SASA Polyester A.Ş., Turkey – Detailed Engineering and Design “MTR Plant Project “(2023 – 2024)
TP-OTC, Turkey – FEED “Sakarya Gas Field and Development Project “(2023) |
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- Lead and follow-up actions for process discipline meetings with client.
- Develop solutions to engineering problems that require the use of ingenuity and creativity.
- Analyse scope of the project and determine engineering requirements, perform engineering designs (P&ID preparation, Line Tie-in List etc) in accordance with applicable specifications and procedures.
- Read, analyze, and interpret technical documents and CAD drawings.
- Write reports and business correspondence.
- Present information and respond to questions of managers and customers.
- Preparation of the following lists and documents: HOLDs and Assumptions, Change Notices, Technical Queries, Technical Deviation.
- Preparation of Weekly Progress Reports
- Preparation and follow-up of Project Risk Register.
- Follow-up of Master Document Register as per schedule together with disciplines.

2021 - 2023 Senior Process Engineer, TEKFEN Mühendislik A.Ş. Istanbul

TUPRAS İzmit Refinery, Turkey – Basic Engineering and Design “Alkylate Tank and OSBL Lines” (2022-2023)

TUPRAS İzmir Refinery, Turkey – Basic Engineering and Design “LPG and Alkylation OSBL Lines” (2022-2023)

PETKIM, Turkey- Detailed Engineering, “Jetty Modernization Project” (2021-2022)

- Act as Coordination Lead Engineer / Project Manager in assigned projects.
- Assistance to Project Manager all engineering and drafting activities are compliant with Project scope and Schedule.
- Ensure that established procedures, specification, and standards are followed during engineering design activities. Discuss with client any deviation from client’s standards.
- Ensure all technical instructions are properly implemented on design and expedite them with specialty engineering disciplines as required.
- Ensure all design comments to vendor documents are given by specialty engineering disciplines on time.
- Assist site engineering team related to technical issues.
- Execute assigned activities in accordance with job time.

2019 - 2020 Project Engineering Coordinator, Wood plc, Istanbul

PETKIM, Turkey- FEED, “Jetty Modernization Project” (2020)

INOVYN, Germany – EPC, “Sky Blue Project” (2019)

SARPOM, Italy – Detailed Engineering, “TRECATE Refinery Expansion Project” (2019)

- Assist the Project Manager in preparing, immediately after award of contract, a complete coordination procedure for the contract, to be agreed with Client.
- Coordinate all engineering and drafting activities for the assigned project.
- Ensure all necessary correspondence and liaison with Client and Vendors on all technical problems, release of information, etc., and the resulting information is promptly transmitted to drafting, procurement and Client, as required.
- Follow-up the detailed project progress for conformity to scope, cost, and schedule.

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- Assist the Project Manager in preparing the monthly progress report of the project. Review with him/her the design drafting progress reports and check if corrective action is taken on items behind schedule.
- Assist the Project Manager to check the adequacy of manpower assigned to the Project.
- Ensure that the documents are produced and checked according to the schedule of the job and in compliance with the contract requirements.

2017- 2018 Senior Project Engineer, Wood plc, Istanbul

2012- 2017 Project Engineer, Wood plc, Istanbul

TUPRAS İzmit Refinery, Turkey, Turkey – Detailed Engineering, “HPNA Stripper Project” (2017-2019)

SOCAR, Turkey – EPC, “Aliğa Oil Storage and Terminal Project” (2017-2019)

EXXON MOBIL, Belgium – EPC, “ANWERUP EPC2 Revamp & Offsites Project” (2014-2016)

DRAGON OIL, Turkmenistan – Detailed Engineering, “EPIC of Crude Oil and Tank Farm Terminal Project” (2014)

TUPRAS İzmir Refinery, Turkey – Detailed Engineering, “Energy Efficiency and Maximization Project” (2012-2014)

TUPRAS İzmir Refinery, Turkey – “Units’ 200/300/400 P&IDS’ As-built Preparation Services” (2012)

SOCAR, Turkey – FEED, “Star Refinery Jetty FEED Project” (2012)

- Mechanization of P&IDs.
- Preparation of line list, equipment, tie-in, and fluid lists
- Participation and leading the P&ID, HAZOP and 3D model review meetings, and follow-up/implementation of action items of these meetings.
- Preparation of material requisitions for the miscellaneous items, technical tabulation and bid evaluation, arranging and leading kick-off meetings with vendors, vendor documents follow-up.
- Preparation of material requisition for notified body activities, managing relations with third parties for NoBo
- Deciding tie-in points at site together with the piping discipline
- Preparation of Hazardous Area Classification report and layout
- Turnover systems set-up
- Project information and documentation management
- Attending and leading as-built studies at site.

Languages

English (Fluent), German(basic)