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UĞUR IRMAK

With a strong technical foundation in mechatronics engineering and advanced academic training in Engineering Management and Mechanical Engineering, this professional has built extensive expertise in design, verification, and project management within the cryogenics industry. Over nearly a decade, they have contributed to complex engineering programs involving pressure vessels, piping systems, and thermal equipment, consistently applying high quality standards and an innovation-driven mindset to solve challenging technical problems. Their background includes hands-on experience in the design and verification of pressure vessels in accordance with ASME and other international design codes, supported by proficiency in key engineering software such as ANSYS Workbench, AutoPIPE, PVElite, SolidWorks, and AutoCAD. Across multiple engineering roles—ranging from design engineer to senior engineer and ultimately engineering chief—they have been responsible for coordinating technical teams, leading design reviews, validating critical design decisions, and ensuring full compliance with relevant engineering standards. Demonstrated project leadership abilities enable them to navigate demanding technical environments with structured planning, disciplined execution, and effective communication. Their experience managing timelines, budgets, and multidisciplinary interfaces allows them to contribute reliably to team objectives while enhancing the overall quality and efficiency of engineering deliverables.

EXPERIENCE

Artaş Cryogenics – Engineering Chief 07/2024 – 03/2025

Led the engineering team with responsibility for time and budget management
Oversaw and validated critical technical decisions

Artaş Cryogenics - Senior Design Engineer 09/2022 – 07/2024

Developed high-efficiency new design features
Coordinated engineering team and conducted technical reviews

Artaş Cryogenics Project and Design Engineer 08/2021 – 09/2022

Performed design verification processes
Ensured compliance with relevant codes and standards

Artaş Cryogenics – Design Engineer 08/2016 – 08/2021

Designed and verified pressure vessels according to various design codes
Utilized ANSYS Workbench, AutoPIPE, and PVElite in engineering tasks

Artaş Cryogenics – Intern 06/2015 – 07/2015

Supported ongoing design and production engineering projects during internship

SKILLS

ANSYS, AutoPIPE, PVElite

SolidWorks, AutoCAD

Pressure Vessels, Piping Systems

ASME Standards, Stress Analysis

EXPERTISE

Pressure vessel design and verification

Cryogenics and thermal equipment

Project leadership and team coordination

Compliance with engineering codes and standards

EDUCATION

Jönköping International Business School

Master's Degree – Engineering Management

Technical University of Munich

Master's Degree – Mechanical Engineering and Management

Jönköping University

Erasmus

Sabancı Üniversitesi

Mekatronik, Robotik ve Otomasyon Mühendisliği

Deutsche Schule Istanbul / Alman

Lisesi