



Hamidreza Jariteh

Industrial consultant

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Marital Status: Married

Military Service: Served

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Profile Summary

Expert Consulting in Aviation

I provide expert advice in the aviation sector, ensuring efficient implementation of projects in alignment with industry standards. This includes overseeing the execution process, identifying improvement areas, and standardizing procedures to maintain consistency and quality across all phases. Continuous monitoring ensures best practices are applied, and projects are completed on time and within budget.

Design and Construction of Aerostat Systems

I lead the design and construction of aerostat systems, including tethered balloons used for applications like surveillance, communication, and environmental monitoring. I manage material selection and structural design to ensure safety and stability, ensuring the systems meet operational requirements for various applications such as weather monitoring and military operations.

Design and Manufacturing of Immersion Liquid Cooling Systems

I specialize in the design and production of immersion liquid cooling systems for high-performance computing. This advanced cooling technique uses dielectric liquids to efficiently absorb and dissipate heat, ideal for environments like data centers. My focus is on creating energy-efficient systems that enhance performance, minimize energy consumption, and ensure long-term reliability.

Education

Diploma in experimental sciences

Branch: pajhohesh high school

Iran

2009 - 2013

Bachelor of Robatic engineer

Branch: North Tehran Azad University

Iran

2013 - 2015

GPA: opt out



Work Experience

CEO

Rayan Gostaran Ofogh Idea

Tehran, Iran

January 2012 - Present

Tasks and Achievements

- Goal setting and strategy determination
- Project management
- Providing a management solution
- Designer and production manager aerostat
- Inventor and manufacturer of immersion liquid cooling systems

Consultant

Novin samane pishran azma

Tehran, Iran

August 2024 - November 2024

Tasks and Achievements

- Consulting to improve the engineering process
- Matching the implemented process with the required standards

Consultants

FARZANEGAN PROPULSION SYSTEMS DESIGN BUREAU

Tehran, Iran

April 2016 - January 2019

Tasks and Achievements

- Consultant



Skills

Process Optimization



Supply Chain Management



Research and development



Quality Assurance



Project planning and scheduling



Project Management



Operational Efficiency



Regulatory Compliance



Dassault Systemes SolidWorks



Microsoft Project



Dassault Systemes CATIA



Atlassian JIRA



C++



Hypertext markup language HTML



Network basics





Language

Persian

Reading Writing Speaking Listening

English

Reading Writing Speaking Listening

Arabic

Reading Writing Speaking Listening



Projects

Aerostat System

For: Rayan Gostaran ofogh idea

December 2018

Initial Design and Guidance of the Design Team

Lead the initial design phase, ensuring accurate execution and precise calculations. Provide guidance to the design team, ensuring alignment with project goals, quality standards, and technical feasibility. Collaborate to refine plans and address challenges throughout the design process.

Manufacturing and Delivery of Parts and Equipment

Oversee the manufacturing and delivery of parts and equipment, ensuring compliance with the specifications in the requirements and regulations booklet. Manage suppliers, timelines, and quality control to ensure all components meet the project's performance and safety standards.

Construction and Testing of Ground Station

Supervise the construction of the ground station, ensuring all systems are integrated for optimal performance. Conduct rigorous testing to evaluate communication, power, and control systems, ensuring reliability and functionality.

Balloon Construction and Testing

Guide the design and construction of the balloon system, ensuring it meets the requirements for stability and performance at high altitudes. Perform testing to ensure durability, safety, and efficiency in carrying payloads or providing surveillance in various environmental conditions.

Link: <https://rayangostaran.ir/en/#aerostat>

liquid cooling system by immersion metho

For: Rayan Gostaran ofogh idea

August 2019

Head Designer

Role Overview: Leads the initial design phase and provides guidance to the design team to ensure precise execution and attention to technical details.

Responsibilities:Project Initiation and Team Guidance: Develops initial design concepts and offers detailed guidance to the design team for accurate calculations and design execution.

Manufacturing Oversight: Ensures the production and delivery of parts and equipment according to project requirements and regulatory standards. This involves careful alignment with the specifications outlined in the requirements booklet to meet safety and quality benchmarks.

Modeling and Data Collection: Performs 3D modeling and gathers data from prototypes, enhancing simulation and prediction accuracy. This data collection is essential for assessing the feasibility and reliability of the final design.

Supervision of Liquid Cooling Systems: Oversees the construction and delivery of a liquid cooling system using the immersion method, an advanced cooling technique ideal for high-performance applications.

Testing and Evaluation: Tests the liquid cooling system using a Bitcoin mining setup rated up to 800 kW. This step ensures that the system meets operational efficiency and reliability standards, especially for high-power scenarios typical in cryptocurrency mining operations.

Link: <https://rayangostaran.ir/en/#cooling>

Consultant in IKIA Test Cell Engine

For: Novin Samane Pishran Azma

August 2024

Monitoring and Standardization Optimization of Implemented Systems

Precise monitoring of system performance to ensure alignment with the highest industry standards, including identifying and addressing improvement areas, is crucial. Informed by extensive experience in Iran's largest aircraft engine testing cell, this process integrates expert insights for system quality enhancement, providing critical decision-making support in standardization efforts.

Enforcement of Mandatory Standards

Ensuring full compliance with essential industry standards at each project stage—from initial design to final execution—strengthens quality and regulatory adherence. This includes detailed monitoring, thorough process analysis, and strategic recommendations to improve system compatibility and operational reliability. A solid background in rigorous engine testing contributes to a comprehensive understanding of legal and quality requirements, supporting effective solutions for enhanced system reliability.

System Optimization and Performance Enhancement

Dedicated analysis and identification of improvement opportunities lead to actionable strategies for increased system efficiency. Recommendations based on high-stakes testing experience enable the development of solutions that boost stability, supporting essential project decisions aimed at continuous performance optimization.

Design and Presentation Documentation Development

Preparation of design booklets and presentation documentation includes clear, technical specifications and structured rationale for design decisions. These materials convey critical project insights to stakeholders in an organized format. Expertise in complex testing environments has fostered the ability to effectively document and communicate sophisticated engineering concepts, providing substantial support for project decision-making processes.

Link: <https://nspa.ir/en/ikia-test-cell-engine/>

Consultant Innovative technology-based company

For: FARZANEGAN PROPULSION SYSTEMS DESIGN BUREAU

April 2016

Consulting on Tensile Fabric Structures for Canopy Umbrellas

Providing specialized consulting services in the design and implementation of tensile fabric structures for canopy umbrellas. This includes selecting appropriate materials, designing tension systems to ensure structural stability, and offering technical solutions to enhance durability and performance in various weather conditions.

Quality Control of Manufactured Parts

Overseeing the quality control process for manufactured parts, including evaluating raw materials, inspecting production standards, and conducting precise testing to meet technical specifications and safety requirements. The goal is to ensure the quality, durability, and flawless performance of the final manufactured parts.

Consulting and Design of Guidance and Control Systems

Providing consulting and design services for guidance and control systems across various projects. This includes designing mechanisms and control systems to optimize and regulate performance. This work requires the application of mechanical and electronic engineering principles to develop stable and precise systems.

Link: <https://farzaneganpb.com/>



Social Network



hamidrezajariteh