

Hesham Khalid Al-Qahtani

Mechanical Engineer

☎ 0555424027

✉ me.heshamk@gmail.com

📍 Riyadh, Saudi Arabia

🌐 [HESHAM KHALID](#)

OBJECTIVE

Highly motivated mechanical engineer with extensive experience in research and development. I am eager to apply my skills in production planning, process design, and technical documentation to a challenging role where I can lead new projects and improve operational efficiency.

EDUCATION

King Saud University, Riyadh, Saudi Arabia

Bachelor of Applied Mechanical Engineering

June 2018 - May 2024

EXPERIENCE

Al Zamil Industry, Trade & Transport | Riyadh | Saudi Arabia

Research & Development Team Leader | January 2025 – Present

- Sourced and evaluated alternative solutions to enhance product quality and performance.
- Identified new business opportunities and potential projects by staying current with industry trends and emerging technologies.
- Attended industry expos and conferences to research new technologies and maintain a competitive edge.
- Contributed to quality and process improvement through involvement in auditing, standards adherence, and maintenance activities.
- Partnered with factory managers to design and optimize production lines, improving efficiency and output.
- Authored and managed technical documents such as SOPs, BOMs, NCs, and flowcharts to standardize processes and maintain accuracy.

Research & Development Engineer | November 2023 – December 2024

- Led research & development projects, successfully implementing new process control systems to improve operational efficiency.
- Developed preliminary designs with lead designers to refine concepts and optimize products for aesthetics and functionality.
- Identified and implemented key process improvements, resulting in significant enhancements in overall productivity and output.
- Established and managed communications with external partners for collaborative projects, ensuring alignment and timely execution.
- Evaluated and integrated new technologies, machinery, and raw materials, driving innovation and improving project outcomes.

Research & Development Engineer (CO-OP) | July 2023 – January 2024

- Attending experiments, monitoring defects, and proposing effective solutions.
- Monitoring and evaluating equipment performance, identifying faults, and repairing them as needed.
- Proposing and implementing improvements in processes and systems to increase productivity and reduce costs.

BEST ACHEIVEMENTS

1. Led development of a non-metallic water heater, improving efficiency and reducing environmental impact.
2. Created proposals for the management, supporting decision-making and strategic planning within the organization.
3. Sourced alternative solutions, significantly reducing operational costs while maintaining quality and performance.

SKILLS

Technical Skills:

- Production Planning.
- Manufacturing Processes.
- CAD (SolidWorks).
- Quality Systems.
- Process Design.
- Proficiency in MS Office.
- Technical Documentation

Soft Skills:

- Resilience.
- Interpersonal Skills.
- Communication.
- Time Management.
- Critical Thinking.
- Attention to Detail and Precision.
- Ability to Cope with Stress.
- Self-Learning.

MEMBERSHIP

- Membership of Saudi Council of Engineers (SCE) Number 1043716 | 2027.

CERTIFICATES

- Lean Six Sigma | Black Belt | ANEXAS EUROPE | May 2024.

COURSES

- Awareness & Internal Auditor Training Course on ISO 9001:2015, TUV Rheinland, July 8, 2025 – July 9, 2025
- Performance Indicators in Maintenance Management, SCE, April 27, 2025 – April 29, 2025.
- Administrative Excellence & Leadership Skills, SCE, April 13, 2025 – April 17, 2025.
- Reverse Engineering, SCE, November 10, 2024 – November 14, 2024.
- EnMS and Energy Performance Improvement According to ISO 50001, SCE, October 6, 2024 – October 10, 2024.

LANGUAGES

Arabic (Native).

English (Excellent).

- IELTS | Overall Score: 6 | SBC | May 2024