

Murtadha Razaq Abbas

Mechanical Technician

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SUMMARY.

Highly motivated Mechanical Technician with 4 years of hands-on experience in industrial operations, including work with the Chinese company Tajin under PetroChina in the medical section. Skilled in mechanical systems, technical drawings using AutoCAD, and proficient in Microsoft Office tools. Holds an IOSH safety certification and demonstrates strong understanding of occupational health and safety standards. Adept at teamwork, problem-solving, and executing maintenance and recycling processes. Currently pursuing a Diploma in Mechanical Engineering with a graduation project focused on aluminum alloy scrap recycling through casting techniques. Fluent in Arabic with very good command of English.

EDUCATION.

Diploma in Mechanical Engineering

Southern Technical University – Iraq

GraduationYear: 2025

Graduation Project: Recycling Aluminum Alloy Scrap by Melting and Casting

Description:

The project focuses on the recycling of leftover aluminum alloy parts through an efficient and sustainable melting and casting process. The goal is to reduce industrial waste and repurpose aluminum scraps into usable components, minimizing raw material usage and environmental impact.

The process includes:

- Collection and sorting of aluminum scrap based on alloy type.
- Melting the scrap at controlled temperatures using a crucible furnace.
- Casting the molten metal into new molds to form usable mechanical parts.
- Quality inspection of the cast products for defects or impurities.

SKILLS.

Technical Skills:

- Mechanical maintenance and troubleshooting
- Recycling and casting of aluminum alloys
- Engineering drawing and drafting (AutoCAD)
- Technical documentation and reporting

Software Proficiency:

- AutoCAD (2D Mechanical Drafting)
- Microsoft Excel (data logging, reports)
- Microsoft Word (technical writing, formatting)

Safety & Compliance:

- IOSH certified in Occupational Health & Safety
- Knowledge of industrial safety standards and procedures

EXPERIENCE.

Mechanical Technician

Tajin Chinese Company (PetroChina Project – Medical Section) Maysan, Iraq **2019 – 2023**

- Performed mechanical maintenance and support tasks in coordination with international teams.
- Handled installation, inspection, and servicing of mechanical equipment related to the medical facilities section.
- Followed strict safety protocols and quality standards in alignment with PetroChina's operational procedures.
- Contributed to daily reports, documentation, and coordination with engineers and supervisors.
- Gained hands-on experience in industrial systems, tools handling, and preventive maintenance operations.

STRENGTHS.

- Strong technical background in mechanical systems and industrial operations
- Proven ability to work under pressure in field and plant environments
- Committed to workplace safety, with IOSH certification
- Quick learner and adaptable to new technologies and work environments
- Effective communicator and team player in multicultural teams
- Detail-oriented with strong problem-solving skills
- Self-motivated with a strong sense of responsibility and discipline

HOBBIES & INTERSTS.

- Exploring mechanical innovations and modern manufacturing techniques
- Reading technical articles related to engineering and safety
- Practicing technical drawing and CAD modeling
- Team sports and physical fitness for discipline and teamwork
- Volunteering in community technical projects
- Continuous learning through online courses and technical workshops

LANGUAGES.

- Arabic: Native.
- English: Very Well.