

# ALWALEED AHMED ALTAYEB

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## SUMMARY

A goal driven mechanical engineer with master degree in engineering Projects Management equipped with experience in maintenance management in power plants, in addition to good communication skills, multi-tasking strengths and leadership capabilities that help to work as a part of team or individually efficiently.

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## WORK

**07/2016 - present**

## EXPERIENCE

- **Boiler Maintenance Engineer, Sudanese thermal power generating company (STPG) Garri4 (2x55 MW) sponge coke fired power plant**

### Responsibilities:

- Designing and implementing maintenance strategies related to different kinds of mechanical equipment and systems such as but not limited to (coke conveying system-valves-heat exchangers - air blowers-coke crushers-sootblowers - Pneumatic Conveying systems.....)
- Installation, Commissioning, Maintenance for all mechanical equipment related to boiler unit
- Performing routine maintenance inspections of equipment to identify and respond to problems in a timely manner, thus preventing breakdowns.
- Assigning personnel and technical support teams to sites requiring 24/7 maintenance.
- Ensure applicable maintenance procedures are followed and ensure proper controls are in place to ensure safe work place.
- Provides accurate records and close-out reports of all completed work as per company requirements.
- Working with company's vendors and supervise subcontractors during various maintenance projects to ensure proper completion of work performed at power plants' facilities.
- Identify required spare parts and consumables, providing data and information for the Logistics & the Procurement Department to enable purchasing of items
- Managing plant shutdowns by effective coordination and use of the shutdown time to minimize additional shutdowns / shutdown time
- Manage overhauling of boiler equipment (rotating & static)

### Achievements :

- Supervising the completion of major overall maintenance project for Unit2 refractory (55 MW) within time schedule & standards, January 2018
- Developing Preventive Maintenance system for boiler unit
- Improving the documentation system in boiler unit

09/2015 – 02/2016

- **HSE officer, National upstream solutions (petroleum company)**
  - Follow up on the commitment to carry out work on the site in accordance with the instructions and regulations of occupational safety
  - Ensure that safety equipment and supplies are provided at work
  - Ensure that all equipment provides personal protection at work
  - Periodically review the equipment and mechanisms used for the work and ensure their safety and suitability to perform the work
  - Identify and evaluate risks and determine the most appropriate means to control them for existing and emerging activities
  - Preparing daily, monthly and annual reports for various safety issues

12/2014 – 12/2015

- **Engineer trainee, Sudanese thermal power generating company (STPG) Khartoum north power station (370 MW)**
  - Work in boiler maintenance unit
  - Work with the maintenance team to maintain various faults in boiler units
  - Learn about the general components of the steam generating station
  - Dealing with common faults of different types of valves within the scope of boiler unit operation
  - Identify common faults in fuel pumps
  - Work according to the safety regulations used in power plants

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## EDUCATION

2017 – 2019

- Master degree in engineering projects management, Sudan university for science & technology

2009 - 2014

- BSc of honor in mechanical engineering, Kordofan university

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## SOFTWARE

- Microsoft Package (Word ,Excel ,PowerPoint ,Project ,Access)
- Primavera v6
- Cedar (Maintenance Management Software)

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## TRAINING COURSES

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|--|---------|
| • OSHA in general in industries                            | 06/2015 |
| • Introduction to NDT                                      | 12/2016 |
| • Entrepreneurship and Business Development                | 08/2017 |
| • Advance operation of CFB boiler                          | 09/2018 |
| • Vibration analysis                                       | 11/2018 |
| • Welding inspection                                       | 11/2018 |
| • ICDL(v.6) preparation                                    | 03/2019 |
| • Alignment & Balancing                                    | 10/2020 |
| • Practical excel applications                             | 09/2021 |
| • Measurement of work efficiency & employees effectiveness | 12/2021 |
| • Pumps & valves maintenance                               | 03/2022 |

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|-------------------------------------|---------|
| • Valves Testing and Setting        | 07/2022 |
| • Risk Assessment & Hazard Control  | 09/2022 |
| • Maintenance management & Planning | 09/2022 |
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## SKILLS

- Teamwork
- Communication
- Troubleshooting
- Multitasking skills
- Presentation skills
- Working under pressure
- Familiar with (ASME PBVC Section Vii – API 510)

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## LANGUAGES

- Arabic (native)
- English (very good)