



SATISH KUMAR AJMERA

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Leverage a wealth of experience in Academics, commissioning and operational management, focusing on enhancing efficiency and effectiveness in the Academics industry.

Profile Summary

- Amassed a robust career spanning **over 21 years**, specializing in **Teaching, commissioning, operational oversight, and troubleshooting** within the power generation sector.
- Cultivated a diverse skill set through various roles, emphasizing project management, operational leadership, and providing technical advisory services.
- Directed the successful commissioning of numerous high-capacity gas turbines, achieving critical operational milestones in complex projects.
- **Demonstrate exceptional leadership skills** by promoting teamwork and collaboration among diverse teams to achieve project goals.
- Developed detailed method statements for the commissioning of **steam turbines, boilers** and related equipment, ensuring safe and efficient execution.
- Established and maintained strong relationships with clients through effective communication and problem-solving, resulting in repeat business opportunities and enhanced client satisfaction across **multiple international projects**.

Core Competencies

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| ❖ Teaching | ❖ Commissioning/Pre Commissioning | ❖ Regulations & Compliance | ❖ Instrumentation |
| ❖ Maintenance | ❖ HSE Compliance & Safety | ❖ Operational Excellence | ❖ Quality Assurance |
| ❖ Training & Development | ❖ Risk Assessment | ❖ People Management | ❖ Project Lifecycle Management |

Work Experience

Oct'24 - Dec'24 | CTJV (Chiyoda Technip Joint Venture), RasLaffan Qatar | Commissioning Lead Supervisor

Key Result Areas:

- Certified in Permit to Work and trained in HSE protocols, including SIMOPS, Work at Height, and Confined Space Safety.
- Executed pre-commissioning and commissioning of Air, Nitrogen, and Cooling Water Piping systems.
- Developed Method Statements for commissioning Steam Turbine, Air & Nitrogen Systems, Flare System, and Cooling Water Systems.

July'24 -Aug'24 | Bayat Power, Afghanistan | Regional Operations Manager

Key Result Areas:

- Led Major Inspection project of SGT-45 (45MW) Gas Turbine in collaboration with the Siemens team.
- Directed the replacement of Filter House Elements to optimize performance.
- Managed the complete electrical system overhaul, including transformer testing.

Apr'22 - June'24 | General Electric - Vernova, Bahrain | Commissioning Lead Technical Field Advisor

Key Result Areas:

- Led commissioning teams for **15+ projects** across multiple countries, including renowned power plants like **Qatar Electricity, Bahrain Aluminium, Hidd Power Company, AzitoEnergie, and ADNOC**.
- Executed performance tests, planned, and executed shutdowns & maintenance.
- Commissioned various Gas Turbines, including **Alstom GT26 (260-280MW), Alstom GT13E2 (150-170MW) & Alstom GT8C (45-50MW) etc.**
- Diagnosed and resolved faults in control valves, air-operated valves, hydraulic solenoids, and process instrumentation while overseeing overhauling, reassembly, and recalibration for optimal performance.

- Directed pre-startup activities, including calibration of guide vanes, control valves, and instrumentation commissioning.
- Resolved operational issues, such as high emissions, high vibrations, low power output, startup failures, and high bearing temperatures.
- Upgraded older machines as per technological protocols and ensured a seamless handover post-commissioning.
- Engaged in client meetings to address concerns, ensure compliance with safety norms, and manage work permits.
- Details of various projects completed successfully are as under:
 - Terga GT-21 C Inspection, Terga, Algeria (Technology: GT26)
 - Azito Energy, GT-12 B Inspection, Azito, Ivory Coast (Technology: GT13E2)
 - Glow Energy, Thailand (Technology: GT26)
 - Gas Turbine C Inspection at El-Ameriya, Egypt (Technology: GT8C)
 - Gas Turbine C Inspection at Al Zawia, Libya (Technology: GT13E2)
 - Terga GT-11 C Inspection, Terga, Algeria (Technology: GT26)
 - Gas Turbine B Inspection at Terga, Algeria (Technology: GT26)
 - Gas Turbine C Inspection at Relizane, Algeria (Technology: GT13E2)
 - ADNOC, Ruwais GT-27 C Inspection, Ruwais, Abu Dhabi (Technology: GT13E2)
 - Gas Turbine C Inspection at Benghazi, Libya (Technology: GT13E1)
 - Gas Turbine C Inspection at Tripoli South, Libya (Technology: GT13DM)
 - Azito Energy, GT-12 Troubleshooting, Azito, Ivory Coast (Technology: GT13E2)
 - Al Hidd GT12 C Inspection, Bahrain (Technology: GT13E2)
 - Al Mansurya GT12 C Inspection, Iraq (Technology: GT13E2)
 - Ras Abu Fontas GT71 C Inspection, Doha, Qatar (Technology: GT13E2)

Previous Experience

Apr'21 – Apr'22 | Steag Energy Services, Kashipur, Uttarakhand (Independent Power Plant) | Deputy Manager (Acting Operation Manager)

Highlights:

- Oversaw all plant equipment operations, ensuring safety, environmental compliance, and operational excellence.
- Led plant operations while aligning with safety, environmental, and conduct policies.
- Promoted teamwork and productivity by fostering open communication, timely decision-making, and leadership-driven performance standards.
- Monitored plant and unit performance, conduct root cause analysis, and implement corrective actions.
- Set maintenance priorities and schedule plant maintenance in collaboration with the Maintenance Manager.
- Coordinated unit load scheduling, testing, and outages, serving as the primary interface with Commercial Operations.
- Ensured proper training for Plant Operators and oversee regulatory compliance.
- Developed, implemented, and refined operational policies to enhance plant performance and efficiency.
- Acted as Plant Manager in their absence, ensuring seamless operations.

Apr'19 – Apr'21 | Self Employed Commissioning Lead Technical Field Advisor

Highlights:

- Project-1: SKT, Terga GT11 Forced outage/ C inspection, Algeria (Nov – Dec 2019)
- Project-2: OKPAI Phase II New Gas Turbine Commissioning, Nigeria (Feb-March - 2020)

Aug'17 – Apr'19 | General Electric – Fieldcore, Abu Dhabi | Commissioning Lead Technical Field Advisor

Highlights:

- **Global Commissioning Leadership:** Led commissioning teams across **14 international projects**, including **Qatar Electricity, Bahrain Aluminium, Hidd Power Company, AzitoEnergie, and ADNOC**, ensuring seamless execution, operational excellence, and on-time project delivery.

Projects completed successfully:

- ADNOC, Ruwais GT27 MXL2 Upgrade, Ruwais, Abu Dhabi
- Al Hidd GT12 C05 inspection, Bahrain
- Sohar Aluminium GT-22 Gas control valve troubleshooting, Sohar, Oman
- ADNOC, Ruwais GT-24 Combustion Mapping, Ruwais, Abu Dhabi
- Alba GT-51 C-Inspection, Bahrain
- ADNOC, Ruwais GT26 C-Inspection, Ruwais, Abu Dhabi
- Relizane GT-11 C02 Inspection, Relizane, Algeria
- GVK GT-1 C Inspection, Rajahmundry, Andhra Pradesh
- Al Hidd GT-22 C Inspection, Bahrain
- Sohar Aluminium GT-21 C Inspection, Sohar, Oman
- Qatar Electricity, Ras Abu Fontas GT-71 C Inspection, Qatar
- Terga GT-11 C Inspection, Terga, Algeria

- NWPCL, Khulna GT-11 C Inspection, Khulna, Bangladesh
- Azito Energy, GT-11 C Inspection and upgrade to MXL2, Azito, Ivory Coast

Jul'13 – Aug'17 | Sir Padampat Singhanian University, Udaipur

Highlight:

- **Academic & Research Leadership:** Led research coordination for the **Mechanical Engineering Department** and delivered expert instruction in **Thermodynamics, Power Plant Engineering, Heat Transfer, Steam Power Engineering, Jet Propulsion Engineering, and Mechanical Measurement.**

Dec'10-July'13 | Steag Energy Services, Hazira, Surat (Independent Power Plant) | Dy. Shift In-charge

May'09-Aug'10 with Alstom Power Service Arabia, Dubai as Commissioning Field Engineer

Sep'08-May'09 | Reliance Infrastructure Ltd., Hisar | Assistant Manager (Independent Power Plant)

Feb'06-Sep'08 | Reliance Industries Ltd., Jamnagar | Manager (Captive Power Plant)

Jul'04-Jan'06 | GITS, Udaipur | Lecturer

Education

- 2018: PhD (Thermal/ Fluid Engineering) Mewar University, Chittorgarh
- 2004: ME (Jet Propulsion & Gas Turbine Plants) MS University of Baroda, Vadodara
- 2002: BE (Mechanical Engineering) from M.B.M. Engineering College, Jodhpur, Jai Narain Vyas University (Raj)

Trainings/Certifications

- COMET (Basic Commissioning Engineer Training at Birr, Switzerland)
- Gas Turbine Expert from Alstom Power at Birr, Switzerland
- Vibration & Balancing from Alstom Power at Birr, Switzerland

Publications

- Satish Kumar Ajmera; A.N. Mathur, Experimental investigation of mixed convection in multiple ventilated enclosure with discrete heat sources, Experimental Thermal and Fluid Science Volume 68, Pages 402–411 (2015)
- S. K. Ajmera; H. J. Shukla; A. N. Mathur, Experimental and numerical investigation of convective heat transfer in a multiple ventilated enclosure with discrete heat sources, Experimental Heat Transfer: A Journal of Thermal Energy Generation, Transport, Storage, and Conversion, 29: 6, 721-740 (2016), DOI: 10.1080/08916152.2015.1113215 (2015)
- Satish Kumar Ajmera; A.N. Mathur, Effect of transverse aspect ratio and distinct ventilation techniques on convective heat transfer from a rectangular enclosure: Experimental and numerical study, Arabian journal for science and Engineering, 41 (5), 1617-1633 (2016)
- Satish Kumar Ajmera; A.N. Mathur, Combined free and forced convection in an enclosure with different ventilation arrangements, Procedia Engineering, Volume 127 (C), Pages 1173-1180 (2015)
- Satish Kumar Ajmera, Harihar J Shukla, Awtar Narain Mathur, Investigation of effect of transverse partition on turbulent flow inside rectangular enclosure, Paper published at The IEEE Sponsored International Conference on Inventive Computation Technologies (ICICT 2016)

Memberships

- Associate member of The Institution of Engineers (India) (Membership ID: AM161821-3)
- Life member of The Indian Society For Technical Education (Membership ID: LM 107342)
- Member of International Association of Computer Science and Information Technology (IACSIT) (Membership ID: 80349161)
- Member of International Association of Engineers (IAENG) (Membership ID: 143726)

Personal Details

Date of Birth :16th June 1979
 Languages : English, Hindi, Gujarati
 Address : Udaipur