

Name: **Vamsi Krishna Yadamreddy**

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LinkedIn: <https://www.linkedin.com/in/vamsi-krishna-yadamreddy/>

Phone #: +1 647 509 5948

Portfolio: <https://yadamreddy.com/>

PROFILE

Experienced Mechanical Engineer (EIT), a Project Management Professional (PMP) and Field Service Technician with a robust background in testing, commissioning, and automation of electro-mechanical systems. I bring a proven track record in troubleshooting and commissioning fire pumps, control panels, and new blowers, with extensive experience managing projects across Canada and the USA. Skilled in advanced aeration control, PLC systems, and automation technologies, I excel in implementing and optimizing mechanical and automation systems. My international experience in India, Qatar, and Canada has equipped me with a versatile skill set and the ability to adapt to diverse working environments. I am passionate about leveraging my expertise to drive operational excellence and innovative solutions in challenging roles.

CAREER SUMMARY

APG Neuros – Canada

Field Service Technician

2023 – Present

Fire Link – Jersey Group, Qatar

Mechanical Maintenance Engineer

2019 – 2021

Regency Safety Services & Equipment – Regency Group, Qatar

Fire Fighting - Project Engineer

2018 – 2019

Fire Fighting - Site Engineer

2017 – 2018

Wipro – Hyderabad, India

Associate

2016 – 2017

CAREER EXPERIENCE

6+ years of experience in execution, testing, commissioning, and maintenance of electro-mechanical systems, including:

- Commissioning of electro-mechanical systems, turbo blowers, pumps, motors, and diesel engines in various settings such as high-rise structures, residential and commercial buildings, industrial, and oil & gas plants.
- Emphasis on a safe work culture throughout the commissioning process.
- Skilled in root cause analysis and troubleshooting using failure modes and effects analysis (FMEA).
- Installation, alignment, and movement of stationary industrial machinery and mechanical equipment according to layout plans, vibration, and conditional monitoring.
- Programming and troubleshooting I/O modules and PLC systems.
- Development and implementation of SOPs and standard work procedure documentation.
- Field testing of equipment and documentation of testing procedures and results, following OEM instructions to compare with factory test data.
- Implementation of OEM recommendations and best practices to optimize system performance and perform extended preventive maintenance (EPRM) for equipment.
- Aligning pre-commissioning dry and wet runs of heavy machinery, ensuring precise operation and adherence to industry standards.
- Preparation and organization of comprehensive handover documentation for smooth project transitions.

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- Rigorous QA & QC measures, upholding the highest standards.
- Proficiency in working with ABB and FANUC robotics systems and automation equipment, showcasing expertise in PLC programming and troubleshooting with GE, Siemens, and Allen Bradley systems.
- Troubleshooting and repairing hydraulic, pneumatic, and electrical equipment, optimizing functionality in manufacturing and industrial applications.
- Expertise in renewable energy sources, including the design, installation, and maintenance of solar and wind power generation systems, as well as boilers and auxiliaries.
- Development of strategic plans tailored to project requirements for efficient and effective commissioning, and collaboration with consultants for approval and compliance with project specifications.
- Hands-on experience with G-Suite, MS Office Suite, ERP systems, AutoCAD, and Inventor.

KEY PROFICIENCIES

Maintenance | Testing | Commissioning | Predictive Maintenance | Report Writing | Documentation | Scheduling | Project Management | Strategic Planning | Management Reporting | Team Leadership | Health, Safety & Environment | Risk Management | Cost Control | Progress Tracking | Equipment Performance | Inspections | Budget Control | Staff Mobilization | Training | Stakeholder Management | Project Planning | Presentation | Tornatech | Eaton | Simplex | Honeywell | Bosch | Fanuc | Allen Bradley | Siemens | GE | Emerson | Electro-Mechanical Engineering | Automation & Robotics | Value Engineering | Energy Systems Engineering | Mechanical Engineering | Instrumentation & Controls | PLC | Electrical & Diesel Engines | Turbo Blowers | Infrastructure | Sewage Treatment | Blue-Print Reading | NFPA | Budget Control | Training | Stakeholder Management |

PROJECTS

Various Wastewater Treatment Plants – Canada & US

Client: Local governing bodies – City – Municipalities

Lusail Stadium (FIFA World-Cup 2022 Final Stadium) - Qatar

Client: Supreme Committee | *Project Management:* WSP | *Engineer:* HBK & China Railway

Al Asmakh Logistics City Bu-Fesseela (8 unconditioned, 3 chilled, 4 cold, 1 freezer warehouses, 3 mixed-use, and 8 residential buildings with masjid and restaurant) - Qatar

Client: Mantech | *Project Management:* Al Asmakh Real Estate Development | *Engineer:* Marina

FV1A – The Entertainment City (104 Villas, 20 Apartments, 1 Masjid) - Qatar

Client: Qatari Diar | *Project Management:* China Railway | *Engineer:* Marina

Mushaireb Downtown Qatar (Luxury residential project) - Qatar

Client: Mushaireb Properties | *Project Management:* Qatari Diar | *Engineer:* Marina

Katara Cultural Village (86 FM200, 4 Foam, 1 Pre-action systems) - Qatar

Client: Qatar Foundation | *Project Management:* Mosanada | *Engineer:* Takyeeff

EDUCATION

Advanced Diplomas in Energy Systems Engineering Technician

Centennial College, Canada - 2023

Electro-Mechanical Engineering Technology – Automation & Robotics

Centennial College, Canada - 2022

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Fire and Industrial Safety

IGITM, Hyderabad - 2017

Bachelor of Technology in Mechanical Engineering

Jawaharlal Nehru Technological University, Kakinada - 2016

ACHIEVEMENTS

- Silver Award recipient in Skill Ontario 2023, showcasing exceptional skills and dedication.
- Led a project turnaround, transforming a loss-making endeavor into a profitable venture, surpassing 50% of the quoted value.
- Consistently achieved KPIs above 95% with minimal to no Non-Compliance Reports (NCRs).
- Identified and resolved bottleneck issues, reducing manpower utilization by 50% while maintaining operational efficiency.
- Recognized and nurtured hidden talent within the team, resulting in a streamlined workflow and a 40% increase in profitability.

Additional Experience

Volunteered for communal development and welfare activities,
Freelanced as PRO and Project coordinator for Ms. TexloreIt Solutions Qatar.

CERTIFICATIONS

- Project Management Professional (PMP by PMI Certificate # - 3028417).
- Engineer in Training (EIT by Professional Engineers Ontario, Certificate # - 100586382).
- Enclosure Integrity Test Level 3 certified by Retrotec, USA.
- Field Acceptance Test Factory trained by Ms. Tornatec, Canada.

REFERENCE

- Available upon request.