

Farhan Khan, MBA, MSc, PMP

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PROFESSIONAL SUMMARY

Technology and infrastructure leader with 14+ years of progressive experience spanning engineering, project management, program leadership, people management, and business transformation across energy, data centers, EV infrastructure, industrial technology, and healthcare. Proven track record leading complex portfolios up to \$1B+, developing high-performing teams, commercializing first-of-a-kind technologies, and transforming operating models to improve ownership, speed, and execution. Combines deep engineering and program management expertise with rapid domain adaptability and the ability to translate complex technical, customer, and organizational challenges into clear business priorities. Bias-for-action leader experienced in portfolio strategy, organizational leadership, governance, and executive stakeholder management.

PROFESSIONAL EXPERIENCE

Senior Manager | Carrier Corporation | August 2025 – Present

- Lead a \$1B+ portfolio of hyperscale data center startup, commissioning, and aftermarket programs across 30+ sites, owning delivery strategy, portfolio priorities, resource allocation, and executive escalations.
- Lead and scale a team of Project Managers, owning hiring, performance, development, promotion, and resource deployment across a rapidly growing portfolio.
- Achieved 100% on-time startup performance through early customer engagement, proactive risk management, and rapid escalation of critical technical and operational issues.
- Transformed the operating model to PM-led ownership by establishing standard operating practices (SOPs), commissioning workflows, and team training that accelerated issue resolution and improved accountability.

Program Manager | Plug Power Inc. | January 2022 – June 2025

- Led a \$50M portfolio of hydrogen infrastructure programs, owning strategy, priorities, risk, and cross-functional execution from concept through commercialization.
- Directed day-to-day execution for a matrixed team of 3 Project Managers and 3 Product Managers, setting priorities, coordinating workloads, and driving accountability across the portfolio.
- Established the business unit's program governance framework, implementing phase-gate processes and executive dashboards that improved portfolio visibility and reduced project kickoff cycles by 50%.
- Led first-of-a-kind U.S. deployments of 1MW and 5MW electrolyzer platforms, driving NPI from concept through first manufactured units and transitioning design in-house to reduce engineering costs ~25% and strengthen ownership.

Project Manager | Siemens Smart Infrastructure | August 2019 – December 2021

- Led end-to-end delivery of commercial EV infrastructure programs for enterprise customers including Amazon, managing multi-site delivery from engineering design through nationwide deployment.
- Co-developed the U.S. EV charging product roadmap in partnership with Product Management, aligning GTM strategy, manufacturability, cloud-enabled diagnostics, and regulatory compliance (NEC, ISO, U.S. utility standards).
- Established program control dashboards and data-driven risk management frameworks, presenting executive-level updates on performance, scope changes, and schedule milestones.
- Managed strategic vendor and procurement relationships, aligning partner performance with commercial milestones and delivery commitments.

Project Engineer | Siemens Energy | August 2017 – July 2019

- Delivered full fluid system scope for a major gas turbine project under budget, applying system modeling and vendor coordination to reduce costs by 5%.
- Championed business-wide digital transformation by deploying advanced engineering tools and standardizing documentation processes, improving data visibility and execution speed.
- Developed specifications for 30+ components, coordinating requirements across engineering, manufacturing, and procurement.

Manufacturing Engineer, MRP Controller & LEAN Specialist | Siemens Energy | February 2013 – July 2017

- Led cross-functional process improvement initiatives across engineering, procurement, and operations to resolve complex throughput bottlenecks.
- Applied value stream mapping and LEAN methodologies, achieving 40%–60% cycle time reductions and eliminating defects across key operational workflows.

- Spearheaded digital transformation of procurement and material planning workflows, implementing automated system triggers that improved part delivery speed by 50% and saved \$1M in operational costs.
- Institutionalized continuous improvement initiatives through standard work documentation, KPI-driven visual dashboards, and team training.

ADDITIONAL LEADERSHIP EXPERIENCE

Project Director (Fractional) | AMK Technologies | February 2019 – Present

- Directed the end-to-end development of a USDA-funded remote medical examination kit, leading multidisciplinary engineering and clinical teams across product, regulatory, and deployment milestones.
- Lead program strategy and field deployment of remote diagnostic clinics, managing execution, stakeholder alignment, and escalations across regional healthcare environments.
- Defined product and technology roadmaps for health-related technologies, integrating feedback from medical professionals and aligning product delivery with healthcare compliance standards and user needs.

EDUCATION & CREDENTIALS

- Project Management Professional (PMP)® | Project Management Institute
- Master of Business Administration (MBA) | Fayetteville State University, Fayetteville, NC
- Master of Science (MSc) in Engineering Management | University of North Carolina, Charlotte, NC
- Bachelor of Science (BSc) in Electrical Engineering | Ohio State University, Columbus, OH

TECHNICAL INITIATIVES & AI INNOVATION

- **Organizational Model Transformation:** Spearheaded Carrier's transition from matrixed execution to PM-led ownership, standardizing commissioning workflows, SOPs, and accountability across 30+ sites.
- **Program Governance Frameworks:** Built and deployed Plug Power's phase-gate governance model and executive dashboards, improving portfolio visibility and reducing project kickoff cycles by 50%.
- **NPI & Commercialization:** Led first-of-a-kind U.S. deployment of 1MW and 5MW electrolyzer platforms from concept through first manufactured units, while transitioning engineering design in-house to reduce costs ~25%.
- **GenAI & Decision Automation:** Architected and deployed Retrieval-Augmented Generation (RAG) agents and decision-tree systems to accelerate knowledge retrieval and cross-functional product decision-making.
- **Predictive SaaS & Industrial ML:** Launched a predictive-maintenance SaaS platform for EV infrastructure with real-time diagnostics and uptime analytics; developed ML models for complex industrial systems.
- **NSF Innovation Corps (I-Corps™) Leadership:** Served as Entrepreneurial Lead across multiple NSF programs, leading customer discovery, market validation, and commercialization strategy for GenAI agent networks and remote healthcare technologies.