

Arun Subramani

**Senior Portfolio & PfMO Manager | Strategic Portfolio Leader |
Ph.D., PMP, PgMP, PfMP**

✉ itsmearunn@gmail.com | ☎ +91 7358755877

📍 Chennai, India | 🔗 [LinkedIn](#)



🕒 Professional Summary

Strategic and performance-driven Senior Executive with **22** years of global experience in leading multi-million-dollar engineering portfolios, NPI execution, and digital transformation across **Power Electronics, BESS, Solar, HVDC, MVDC and Industry applications**. A proven leader in both functional and matrix organizations, with certifications in **PfMP, PgMP, PMP, and a Ph.D.** in Power Electronics.

Demonstrated success in launching and scaling Portfolio Management Offices (PfMO), engineering operational frameworks, driving **10–25%** YoY savings via lean design, value engineering, and certification efficiency. Leveraged deep cross-functional expertise to manage **50+** NPI programs, lead global teams across US, Europe, and APAC, and align R&D strategy with P&L goals—delivering **>\$300M** in program value over the last decade.

Recognized for turning around underperforming portfolios by leading AI based data-driven strategy revisions, implementing risk control measures, and strengthening product and resource alignment. Trusted by senior leadership for bridging business, engineering, and technology in complex, high-impact environments.

👛 Professional Experience

Senior Portfolio & PfMO Manager

GE Vernova | PCS Global | Jun 2017 – Present

🏢 **\$50M+ Annual Budget | 7+ Portfolios | 50+ NPI Programs | 300+ Engineers | Global PfMO
Founder | Power Electronics, Automation & Control, Rotating Machines, Systems, HVDC,
MVDC, Solar Inverters, BESS Product Development Programs**

- Established and scaled the first global PfMO framework, governing **50+** cross-functional NPI programs across **6** countries — resulting in a **40%** improvement in program visibility and a **30%** acceleration of phase-gate transitions.
- Delivered cumulative cost savings of **\$22M+** through product cost optimization, BOM restructuring, and Should Cost collaborations.
- Delivered UL and IEC compliance for **15+** global products, reducing the certification cycle time by **35%**, enabling faster time-to-market.
- Improved engineering resource utilization across programs from **66% to 92%**, using AI based predictive analytics to level workloads.
- Reduced project execution time by **20%** through automated milestone trackers, real-time Smartsheet dashboards, and Agile-based backlog ceremonies.
- Led enterprise-wide change by training and mentoring **15+** Program Managers in PMI-aligned governance processes and Agile cadence.

- Rolled out Agile PMO tooling (JIRA + Smartsheet + Resource Management) to **300** engineers globally, achieving over **95%** adoption rate within **6** months.
- Drove process digitization by deploying Portfolio Smartsheet dashboards and templates, cutting manual tracking efforts by **90%**.
- Designed and institutionalized PfMO KPIs, now tracked monthly for: Cycle Time, Resource Burndown, Risk Score, Regional Velocity, Escalation Closure.

Senior Program Manager

GE Power Conversion | UK, Germany, USA | Jun 2009 – Jun 2017

 **\$12M Annual Budget | 80+ Projects | HVDC, SFC, Prosolar, ProTX & Industrial Drives**

- Managed a portfolio of **10+** major programs and **80** concurrent projects, collectively valued at \$12M+, delivering to global stakeholders across **3** countries.
- Defined and structured **100%** of product requirements into actionable tasks, enabling clear workstream ownership and reducing scope creep risks by **30%**
- Led design planning and milestone execution, achieving **95%** adherence to baselined project timelines across cross-functional teams including Engineering, Sourcing, and Quality.
- Managed end-to-end product lifecycle risk, leading to a **20%** reduction in design iterations and improved first-pass design approvals.
- Maintained and distributed bi-weekly program dashboards, improving executive visibility and enabling real-time decision-making.
- Executed cost-out initiatives during NPI development phases, contributing to **\$2.5M+** in cumulative savings through design optimization and material efficiency.
- Identified and qualified **15+** alternative component suppliers, reducing sourcing cycle time by **22%** and increasing supplier resilience.
- Facilitated resolution of **40+** production issues by collaborating with Manufacturing and Engineering and driving root cause fixes through structured design releases.
- Facilitated **50+** formal design reviews with multi-disciplinary teams; ensured **100%** closure of design actions within committed timelines.
- Orchestrated seamless handover of product solutions to project execution teams, enabling zero-impact transitions and maintaining downstream schedule integrity.
- Diagnosed and facilitated resolving **25+** fleet performance issues by conducting structured RCA (root cause analysis) and embedding design improvements into next-gen releases.
- Ensured continuous stakeholder communication across Engineering, Sales, Manufacturing, and Services, driving alignment and delivery transparency.
- Instituted a formal lessons-learned framework, leveraging **60+** retrospective findings to improve program setup and reduce early-phase defects by **35%**
- Supported continuous quality improvement (CQI) initiatives, enabling a **15%** drop in repairs and rework cost in partner factories and service centers.
- Collaborated with Product Management, Marketing, Customer Support, and Supply Chain to successfully launch **5+** revenue-generating product lines, improving feature delivery time by **25%** and contributing to enhanced margin realization.

Lead Engineer – R&D & Simulation

GE Power Conversion | Chennai, India | Sep 2007 – Jun 2009

- Real time simulation of MV drives in SIL environment, Mathematical modeling of drive components like precharge ckt, Transformer & Filters, Realizing mathematical model in MATLAB. Converting the MATLAB code to Function blocks deployable in (Vxworks) Evt.

- Validating & testing new drivers, redundant PLCs, runtime parameters, structured text & patch releases of PLC programming language–P80i. Testing of communication protocols like CAN, Profibus, TCP/IP, EGD, Fastlink, and EtherCAT.

Lecturer – Power Electronics







Sathyabama University | Chennai, India | Jun 2003 – Sep 2007

- M.E Subjects Handled** - AC drives, Analysis of inverters, Analysis of rectifiers, Systems theory, Microcontroller based system design, Embedded system design, PWM techniques in power electronics, Power electronics lab, MATLAB, PSPICE Simulation lab.




Key Achievements

-  CEO Award Winner – **2018, 2021, 2022**
-  Effective Program Manager Award – **2013**
-  Employee of the Year – **2014 & 2016**
-  Delivered **\$300M+** in portfolio value across **6** countries over a decade
-  Cut PMO reporting effort by **~90%** via automation

Certifications

-  **PfMP** (PMI #3915620) – Portfolio Management Professional
-  **PgMP** (PMI #3780276) – Program Management Professional
-  **PMP** (PMI #2173844) – Project Management Professional
-  **Certified Lead Auditor** – Bureau Veritas
-  **Advanced HV Testing** – CPRI
-  **Change Acceleration / Leadership Training** – GE

Education

-  **Ph.D.** – Power Electronics & Drives – Sathyabama University, 2011
-  **M.E.** – Power Electronics & Drives – Sathyabama University, 2004 (87.6%)
-  **B.E.** – Electrical & Electronics Eng. – Mepco Schlenk Eng. College, 2002 (83.4%)

International Exposure

GB **United Kingdom** – GE Grid, Stafford (2016–2017)
 DE **Germany** – GE Power Conversion, Berlin (2014–2015)
 US **United States** – GE Industrial Services, Pittsburgh (2013, Extended Stay)
 CN **China** – GE Technology Centre, Shanghai (2012)

Cover Letter

◆ Senior Engineering & Technology Leader | CTO Candidate | Director/VP – Global Programs & Product Strategy

◆ Ph.D. Power Electronics | PfMP®, PgMP®, PMP® | 22+ Years in Industrial, Energy & Tech Innovation

As a globally experienced **Engineering and Technology Executive**, I bring over two decades of leadership in **managing complex, high-value portfolios**, building **world-class engineering teams**, and driving innovation across **Power Electronics, Renewable Energy, Battery Storage, and Industrial Automation**.

Currently leading global Portfolio & Program Management at **GE Vernova**, I manage **\$50M+** annual budgets, oversee **50+** concurrent NPI initiatives, and align engineering capabilities across **300+** global team members in India, the US, Germany, UK, Brazil and France. I combine engineering precision with business strategy to deliver growth-oriented solutions, from early R&D to market deployment.



Key Highlights

- Established and scaled the first global PfMO framework, governing **50+** cross-functional NPI programs across **6** countries — resulting in a **40%** improvement in program visibility and a **30%** acceleration of phase-gate transitions.
- Delivered cumulative cost savings of **\$22M+** through product cost optimization, BOM restructuring, and Should Cost collaborations.
- Delivered UL and IEC compliance for **15+** global products, reducing the certification cycle time by **35%**, enabling faster time-to-market.
- Improved engineering resource utilization across programs from **66% to 92%**, using AI based predictive analytics to level workloads.
- Reduced project execution time by **20%** through automated milestone trackers, real-time Smartsheet dashboards, and Agile-based backlog ceremonies.
- Led enterprise-wide change by training and mentoring **15+** Program Managers in PMI-aligned governance processes and Agile cadence.
- Rolled out Agile PMO tooling (JIRA + Smartsheet + Resource Management) to **300** engineers globally, achieving over **95%** adoption rate within **6** months.
- Drove process digitization by deploying Portfolio Smartsheet dashboards and templates, cutting manual tracking efforts by **90%**.
- Designed and institutionalized PfMO KPIs, now tracked monthly for: Cycle Time, Resource Burndown, Risk Score, Regional Velocity, Escalation Closure.

With a strong academic backbone (**Ph.D. in Power Electronics**) and global executive exposure, I'm passionate about **transforming engineering functions into value-generating business assets**. I thrive in environments where innovation meets execution—driving change, delivering outcomes, and building high-performance cultures.

Expert in scaling product innovation, re-engineer delivery processes, or build a future-ready technology leadership team.



Email: itsmearunn@gmail.com



Based in Chennai, India | Open to Global CTO / VP / Director Roles | Trusted Change Agent