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The Quays, Salford, Greater Manchester M50 3TW, United Kingdom



EDUCATION

BSc, Electronics Engineering / **Industrial Automation** Mapua Institute of Technology, **Philippines**

The Manchester Leadership Development Programme / Alliance Manchester Business School, **United Kingdom**

ORGANISATION

Project Management Institute, PMI / Affiliate Member International Society of Pharmaceutical Engineering, ISPE / Affiliate Member

INDUSTRY KNOWLEDGE

Manufacturing Processes



Heavy and Highly Regulated



MANAGEMENT SKILLS

Digital Transformation



Cybersecurity Management System



Team, Project, and Stakeholder Management



Business and Financial Management



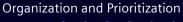
Consulting and Technical Sales



Leadership and Coaching



Business and Growth Strategy





Entrepreneurship and Ownership



Business Process and Tools







PMI-ACP, TÜV FSEng-SFSP, CySec Specialist

ENGINEERING LEAD, LINE AND RESOURCE MANAGER PERSONAL INFORMATION

An agile and thought leader with 15+ years intensive years of solid technical expertise, business, stakeholder management and strong business ethics. Strong background on data analytics, engineering and project management, project delivery, consultancy, digitalization, innovation, and software development.

Highly competent and TÜV certificate holder for IEC61508, IEC61511 Functional Safety (#TP22033110), and a Cybersecurity Specialist (#828/23) for IEC62443. In addition, A trained and Agile Certified Practitioner under Project Management Institute certification program PMI-ACP.

Deliver outstanding governance, leadership, and management of a diverse team of contractors, consultants project and system engineers in Europe and Asia Pacific region for Siemens Digital Industries.

Passionate about good leadership and takes pride in building a creative, team spirited, blameless and innovative environment.

PROFESSIONAL EXPERIENCE

ENGINEERING LEAD AND GLOBAL LINE MANAGER

Siemens AG. 2019 - Present

PRODUCT & SOLUTION SECURITY OFFICER

Siemens AG, 2020 - Present

COMOS LEAD

Siemens AG, 2020 - Present

- Preparation and review of engineering project proposals and technical compliance in focus overall solutions engineering delivery.
- Negotiated and perform project and risk controls to the assigned projects, and managed resources, schedule, workload, and key performance.
- Bring outstanding governance, leadership and management to the business and project teams.
- Contribute to overall business by managing profit and loss P&L's and increase in margin, change order management and value-added selling strategy for projects and sales.
- Administer in rolling out of business goals and targets to projects, engineering, and various stakeholders.
- Perform as a technical lead and subject matter expert, engineering management in all throughout the project lifecycle including consultancy and digitalisation topics.
- Lead the improvement of engineering processes, tools, application, and standards by use of digitalisation tools and up to date technologies.
- Lead, coach and manage a team of engineers locally and across global engineering centres regions.
- Ensures that knowledge transfer is always carried out across the team and knowledge on the new technologies are always up to date.
- Partake in hiring, selection, and delegation process for global engineering centres.

TECHNICAL SKILLS PM @ Siemens Project Management Siemens Process Control System PCS7 and Process Modelling using SIMIT Platform Siemens Opcenter Execution Pharma MES Siemens Plant Engineering **Software COMOS** Siemens PLM and Manufacturing **Operations Software** Mendix Low Code Application Development Platform Cyber Security and Industrial Security Functional and Process Safety Python, VB6, C++ and Visual Studio SQL and Oracle Database Cloud and Edge Computing Software Development Life Cycle Agile, DevOps and Scrum

CERTIFICATIONS

Siemens People and Business Management / Siemens AG

Framework

Siemens Leading the Digital Business Transformation / Siemens

Functional Safety Engineer and Professional / TÜV SÜD

Cybersecurity Specialist on Security Risk Assessment / TÜV Rheinland

Siemens Process Control System PCS7 / Siemens AG

Siemens Opcenter Execution Pharma / Siemens AG

PMI-ACP / Project Management Institute

BUSINESS AND TECHNICAL MANAGER

Plant.IT Process Automation Solutions, Founder 2017 - 2019

- Review and budget allocations, financial statements, project expense and managing cost.
- Analyze, approve, and recommend approval of all change requests, orders, invoices, and payment applications.
- Provide leadership, coaching and guidance to the team of engineers, contractors, and staff members.
- Perform administrative functions such as reviewing and writing reports, approving expenditures, enforcing rules, and making decisions about the purchase of materials or services.
- Spearhead the hiring and selection process.
- Develop and bridge internal and external stakeholders.
- Analyze current trends and technologies and market demands, plan and assess the feasibility of projects.

ENGINEERING MANAGER

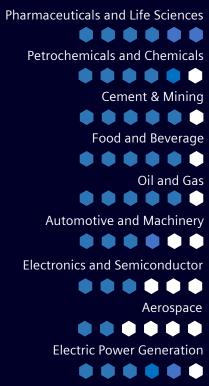
CMR Group, Co-Founder 2012 - 2017

- Provide leadership, coaching and guidance to the team of engineers, contractors, and staff.
- Ensures that project is within budget and able to target the project timeline.
- Discuss, review and layout project specifications, timelines, and schedules.
- Review, approve and modify designs and Develop cost estimates and proposals.
- Analyze key performance indicator, continuous improvement and development plan for engineers and staff.
- Analyze market demands and develop business growth strategy for sales and technical team.

RECOGNITION AND ACHIEVEMENTS

- Successfully manage, lead, and deliver numerous complex full lifecycle projects, approximately ~£25M in total revenue
- Champion for project delivery, execution and controls contributing to improved overall business targets and margin by ~20%
- Champion for people leadership, global collaboration, engineering, technological and stakeholder management
- COMOS region champion for the solutions business and successfully speared the collaboration for the conceptualization, development, and release of COMOS tools and additional plug-ins.
- Effectively increase project engineering execution and delivery resulting in increase in profit margin by ~30%
- Champion for digitalization and innovation technological development for the engineering delivery and business
- Effectively establish value-added delivery and sales to projects, taking leverage of opportunities resulting in additional increase in profit and sales
- Champion for people leadership, global collaboration, engineering, technological and stakeholder management

INDUSTRIES



ENGINEERING SKILLS Good Automated Manufacturing Practice Validation and Qualification System Design and Development ••••• Industrial Communication and **Protocols** 3rd Party Distributed Control System International Framework and Regulatory Standard

System Integration

Blueprints and Architecture Design and Concepts

Digitalization

Solutions and Software Development

Lean Start-up and Six Sigma



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Discrete, Process, Continuous and Batch



SELECTED BUSINESS PROJECTS

- Regional and global contributor for developing and improving engineering processes, best practices and methods, execution of local business strategy and developing high level of customer relationship.
- Task and assigned by the business and one of the members of the committee on certifying and recertifying TÜV SÜD cybersecurity and functional safety blueprints based on IEC62443 and IEC 61511
- Regional contributor for the development and standardization of Siemens Opcenter Execution Pharma Manufacturing Execution System MES architecture, test specification, detailed and functional design documents to be used in Life Science industry.
- Global contributor for the research, execution, and development of the Siemens SIMATIC Process Control System PCS7 Pharmaceutical Industry Library
- Regional contributor for the development, update and release of validated design, test execution and functional documents on topic of Cybersecurity, COMOS, PCS, Integration Services and MES.
- Locally spearhead and global contributor for raising the global engineering and resource center development for Process Control System PCS and Manufacturing Execution System MES
- Regional and global contributor for developing and exploring innovative ways for engineering delivery and subject matter expertise knowledge sharing.
- Evangelist for the use of existing, new, and upcoming technologies such as Artificial Intelligence, Blockchain, Machine Learning, Edge, Cloud, Digital Twin, Industrial IoT and Modular Engineering geared towards the advancement of Industry 4.0

SELECTED TECHNICAL PROJECTS

- Centre of Process Innovation CPI: Medicine Manufacturing Innovation Centre Grand Challenge, Siemens Opcenter Execution Pharma Manufacturing Execution System MES, Opcenter XHQ Operation Intelligence, Tecnomatix Digital Twin
- GlaxoSmithKline: Cell and Gene Therapy Catapult, Siemens SIMATIC Process Control System PCS7 Batch Control, Process Historian, Industrial Cybersecurity, Opcenter Execution Pharma Manufacturing Execution System MES, and SIMIT Digital Twin
- GW Pharma: Sittingbourne Site, SIMATIC Process Control System PCS7 Batch Control, Opcenter Execution Pharma Manufacturing Execution System MES, Process Historian, SIMIT Digital Twin and Industrial Cybersecurity
- Briar Chemicals: Biotechnology Complex Chemicals Facility Distributed Control System, Siemens SIMATIC Process Control System PCS7 Batch Control, Safety SIS Control, Industrial Cybersecurity and SIMIT Digital Twin
- Shell & Chevron: Terminal Plant Distributed Control System, Siemens SIMATIC Process Control System PCS7, Safety SIS Control, Process Historian, and Industrial Cybersecurity
- Petronas: Floating Liquified Natural Gas Offshore Integrated Control and Safety System, Siemens SIMATIC Process Control System PCS7 and Emerson DeltaV Distributed Control System, Safety SIS Control, and Industrial Cybersecurity