

**Goals-oriented senior executive with extensive cross discipline experience in power transmission & distribution, smart grid modernization, and grid digitalization**

Stellar track record of developing and overseeing large-scale technical initiatives to support overall business growth and continuity. Deep strategic and technical acumen ensures top-flight Programme and project management, system upgrades, staff training, and hands-on expertise. Lead-by-example approach with a natural ability to build consensus across multiple organisational levels. Analytical and results-driven, completing critical objectives within budget and proactively leveraging new technologies aligned with strategic business objectives and results.

## Areas of Expertise

- Digitalisation and Digital transformation
- Agile leadership management
- Product Owner- CSPO
- Talent Development
- Programme Management
- Senior Project Manager- APMP Certified
- Proposal Management & Engineering
- Technical Sales
- Client & Vendor Management
- R&D & Innovation
- Design Thinking
- Data Project Manager
- Consultancy
- IoT
- Data Analytics & AI
- Smart grids
- Substation Control Systems
- SCADA, ADMS, and EMS

## Accomplishments

- DEWA Award for best Agile projects 2024
- Dubai Electricity & Water Authority (DEWA) Award for the Distinguished Innovative employee for 2022
- R&D Award for the best collaboration team 2020-2021
- R&D Award for Real Impact Project-Space-D 2021-2022
- Built and coached a competent power systems team for internal consultancy services
- Increased R&D engagement with DEWA business units by 100%
- Recognised for very broad experience in Power, Water and Oil & Gas industries, with sales, technical sales support, proposal engineering, Programme and project management.

## Career Experience

### Dubai Electricity & Water Authority (DEWA)

2021 – Present

Head of the Smart Grid Integration (SGI)- part of DEWA R&D Centre

I am responsible for 3 programmes covering power system studies and planning, operation and asset management with a budget of 20 to 30m AED per annum. I have built and implemented the smart grid strategy for the centre in line with DEWA strategic objectives. I have developed and coached the smart grid team, initiated, and led proposals to secure internal & external funding.

I have been responsible for achieving other KPIs such as publications, invention disclosures, team retention, and stakeholder engagement. I have been leading innovative projects with the business units of DEWA (operation, asset management, and planning), and leading the Smart Energy Solutions & Green Mobility initiative.

**Some highlight projects:**

- An Area lead responsible for 3 programmes and up to 30 projects running simultaneously,
- Projects covering power system studies, DER integration, Control systems, digitalization to enable predictive maintenance, enhanced reliability, efficiency, and system optimization,
- Led a first of its kind initiative by a utility for the delivery of a pilot of 2 x nanosatellites with the implementation of 20 use-cases,
- Built the Smart Grid Lab from scratch with Hardware (HW) and Software (SW) expertise and facilities,
- Led digital initiatives to support the grid digital transformation strategy, implemented technologies such as: Interactive visualization in 3D for DER integration, the future Control Center, AI in power systems, and IoT in the smart grid
- Driving DER integration by the deployment of concepts and solutions such as: Virtual Power Plants, Microgrids, Real-Time Simulation, Grid Forming Inverters, EMT Simulation, and adaptive protection

**Cyient EMEA, UK**

**2019 – 2021**

Senior Utility Solution Consultant

Technical sales supporting the business development team. Introduced digital solutions to utilities across UK, EMEA, and APAC regions capturing customer requirements. Defined the smart grid data analytics road map. Developed and executed innovative ideas and built Proof of Concepts (PoC) for various solutions. Designed and led offerings of completely new areas for Cyient targeting operational, asset management and planning activities for utilities.

**Key solutions:**

- Grid Data Analytics, predictive fault management, Distributed Energy Resource Integration, Predictive maintenance, and IoT
- Planned and identified internal resources and skill sets to offer SCADA, automation and microgrid capabilities,
- Directed the technical team as a subject matter expert for the implementation of Active Network Management (ANM) data Project,

**Capula Ltd, UK**

**2013 – 2019**

Project Manager/ Product Owner R&D Transmission & Distribution

Developed IoT smart grid SW and HW platform as a Product owner for the flexibility market. Prepared proposal and managed bids for Energy Management Systems (EMS), Active Network Management (ANM) systems, and smart grid. Led projects and bids for National Grid Substation Control Systems (SCS) for 400kV and 275kV substations.

**Some Products/Project highlights:**

- Key products & solutions: Demand Side Management & Demand response Powershift IoT platform, Distribution Network Visibility (DNV) platform to support planning of the distribution network,
- Enhanced quality of the delivery, and reduced reworks following site installations. Saved cost of £30K to £40K per annum by improving the management of the delivery processes in building the SCS database modification projects,

- Headed the technical and commercial proposal for National Grid of Bolney and Ninfield SCS supporting the final negotiations for a total order of approx. £870K.
- Headed and finalised various SCS modifications proposals for National Grid
- Proposal manager, and project Manager for an offshore windfarm IEC60870-5-104 to IEC60870-5-101 Interface project total order of approx. £220K.
- Worked as a business development engineer to prepare the technical solution and pricing for large tenders as well as support business development as a technical sale lead

## Additional Experience

Project Manager, Operations Manager, Proposals Manager, Abengoa, Spain	2009-2011
Project Engineer, Business Development, Branch manager, ILF Consulting, Germany	2004 – 2009
Project Engineer, Siemens AG, Germany	2001– 2004

## Education

**Executive Diploma in Digital Leadership- Warwick Business School**  
University of Warwick 2023- expected completion in 2025

**Doctor of Philosophy (DPhil) – Engineering Science**  
University of Oxford 1997-2001

**MSc - Control Systems**  
Imperial College London 1996-1997

**Bachelor's Hons Degree BEng: Control Engineering**  
University of Sussex 1992-1996

## Certifications

Certified Scrum Product Owner CSPO from Scrum Alliance  
Certification in APMP (Association of Project Management Professionals)  
Certificate of Advanced Study in Utility Management from iimt University of Fribourg, Switzerland

## Affiliations

Chartered Engineer (CEng) and member of the IET (Institute of Engineering & Technology)  
Senior Member of the IEEE (Institute of Electrical and electronic Engineers)  
Member of the IEEE-PES (Power Energy Society)  
Member of the IEEE-Smart Grid

**Languages:** English, German, Arabic (Mother tongue)