

# Doga Can Tanrikulu

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## EXPERIENCE

<b>Mott MacDonald</b>	2022 – Present
• Electrical Engineer	2025 – Present
• Energy Unit Early Career Professionals Lead	2025 – Present
• Graduate Electrical Engineer	2022 – 2025

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## INDUSTRY ENGAGEMENT

<b>CIGRE</b>	2025 – Present
• Secretary, Working Group C5.42: Market Pricing Issues and Solutions for Low Short-Run Marginal-Cost Systems	
<b>Energy Institute</b>	2025 – Present
• Ambassador, Young Professionals Network London	
<b>Royal Academy of Engineering</b>	2024 – Present
• Mentor, Graduate Engineering Engagement Programme	

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## SELECTED PROJECTS

### Feasibility Studies for Upgrades to an Existing Customer Connection and BESS Development, Generation Company, UK | Electrical Engineer

- Coordinated initial studies for the upgrade of the existing network between the generation facility and its Power Purchase Agreement (PPA) customer.
- Prepared a feasibility report to evaluate options for connecting a Battery Energy Storage System (BESS) compound within the facility. Identified key requirements to assist in the development of the Employer's Requirements for the next project phase.

### Lenders Technical Advisory (LTA) for an HVDC Subsea Interconnector, UK & Europe | Electrical Engineer

- Provided technical input into post-financial close deliverables for a major HVDC subsea interconnector project.
- Attended regular site visits to monitor construction progress.
- Reviewed EPC Contractor milestone achievements and facilitated drawdown requests to ensure compliance with financial requirements.

### 400/132kV Substation Front-End Engineering Design (FEED), Transmission Owner, UK | Project Manager

- Led a multidisciplinary team in delivering FEED deliverables for a substation extension project.
- Implemented structured communication and project processes that enabled delivery of high-quality engineering outputs ahead of schedule.

**LTA for a Distribution Network Operator Investment Plan, Multiple International Financial Institutions, Turkey | Electrical Engineer**

- Reviewed capital investment programme and prepared periodic monitoring reports for lenders, ensuring alignment with funding requirements.
- Conducted site visits to monitor realised investments and reported on programme progress, including health and safety compliance performance.

**LTA for a BESS Developer, UK | Deputy Project Manager**

- Supported stakeholder management and deliverable tracking for a multidisciplinary LTA team.
- Provided advice on required technical documents for grid code compliance, ensuring high-quality submissions for the EPC contractor.

**Single Asset Replacement Detailed Design for a Portfolio of Substations, Transmission Owner, UK | Electrical Engineer**

- Assisted the Lead Engineer in producing detailed design drawings for asset replacements in selected client substations.
- Designed replacement plans for HV Plant assets, including 66kV to 400kV Circuit Breakers, Instrument Transformers, Surge Arrestors and Disconnectors.

**QUALIFICATIONS**

<b>National Grid Person – Substations</b>	2023 – Present
<b>Member of the Institution of Engineering and Technology</b>	2022 – Present
<b>University of Southampton   MSc Energy and Sustainability with Electrical Power Engineering (Distinction)</b>	2021 – 2022
<b>University of Edinburgh   BEng (Hons) Electronics and Electrical Engineering</b>	2017 – 2021

**KEY SKILLS**

- **Software:**                      **Microsoft Office** – Proficient  
   **MATLAB** – Proficient  
   **Python** – Intermediate
- **Languages:**                    **English** – Fluent  
   **French** – Fluent  
   **Turkish** – Fluent

**PUBLICATIONS**

**Doga Can Tanrikulu**, Bojan Pouckovic, Ian T. Kiely, David J. Reid, Paul Fletcher. “Offshore Energy Hubs for Energy Export to the Market”. *IET ACDC Global Conference Proceedings*. April 2025. DOI: 10.1049/icp.2025.1192

**Doga Can Tanrikulu**. “Locational Pricing in the GB Electricity Market: Overview of Key Perspectives and Implications”. *Tracking the Transition from Fossil Fuels to Clean Energy*. River Publishers. Forthcoming, 2026