

Prakash Das

Vice President – Engineering

QUALIFICATIONS

- Master of Engineering (Energy Technology) – Asian Institute of Technology (AIT), Thailand
- Bachelor of Engineering (Electrical Engineering) – Assam Engineering College, Gauhati University, India
- Post Graduate Diploma in Advanced Software Design & Development – ER&DCI, Noida, Ministry of Information Technology, Government of India

EXPERIENCE & EXPERTISE

Prakash Das is a results-driven engineering executive with 22+ years of experience in the power and renewable energy sector, delivering 1+ GW of utility-scale solar and renewable energy projects across India and Southeast Asia. He has proven expertise in leading multidisciplinary engineering organizations, developing engineering strategies, and delivering technically robust, bankable, and cost-optimized renewable energy solutions from concept to commissioning.

An accomplished leader in utility-scale Solar PV, Commercial & Industrial (C&I) projects, Battery Energy Storage Systems (BESS), hybrid renewable energy systems, and electrical infrastructure, he brings extensive experience in EPC engineering, design optimization, grid integration, and technical governance. He aligns engineering excellence with business objectives while driving innovation, quality, operational efficiency, and sustainable growth.

Currently, he leads engineering functions for large-scale renewable energy projects at SWELECT Energy Systems Ltd., providing technical leadership across engineering, procurement, project execution, and business development. Previously, he served as a Renewable Energy System Specialist Engineer at Leonics Co., Ltd., Thailand, specializing in solar PV, hybrid energy systems, and system optimization. Earlier research experience at the Asian Institute of Technology (AIT), Thailand focused on renewable energy technologies and energy efficiency, followed by foundational electrical engineering experience at HPCL Nagaon Paper Mill, Assam.

AREAS OF EXPERTISE

- Engineering Leadership & Organizational Development
- Utility-Scale Solar PV & C&I Projects (1+ GW)
- Battery Energy Storage Systems (BESS)
- Hybrid Renewable Energy Systems
- EPC Engineering & Project Delivery
- Electrical System Design (MV/HV/EHV)
- Grid Interconnection & Utility Compliance
- Engineering Standardization & Value Engineering
- Technical Due Diligence & Contract Review
- Vendor Qualification & Technical Procurement
- Cost Optimization & Risk Management
- Cross-functional Leadership & Stakeholder Management

PROFESSIONAL HIGHLIGHTS

- Successfully led the engineering and design delivery of 1+ GW of utility-scale solar and renewable energy projects.
- Directed multidisciplinary engineering teams across electrical, civil, structural, mechanical, SCADA, and project engineering disciplines.
- Managed the complete engineering lifecycle, including feasibility studies, conceptual and detailed engineering, procurement support, construction engineering, commissioning, and performance optimization.
- Led the implementation of advanced technologies, including bifacial PV modules, BESS, hybrid energy systems, and smart grid integration.
- Established engineering standards, quality assurance frameworks, and technical governance processes for EPC organizations.
- Delivered engineering-led cost optimization initiatives while ensuring compliance with IEC, IS, NEC, utility regulations, and international engineering standards.
- Collaborated closely with business development, procurement, construction, commissioning, and operations teams to achieve timely and cost-effective project execution.

PROFESSIONAL VALUE PROPOSITION

A strategic engineering leader with the vision to build high-performing engineering organizations and the technical expertise to deliver complex renewable energy infrastructure at scale. Committed to engineering excellence, innovation, operational efficiency, and accelerating the transition to a sustainable energy future through reliable, high-quality, and commercially viable renewable energy solutions.