

Krishna Arjun Kothapalli

Vice President — Manufacturing, Process Engineering & Quality

EXPERIENCE & EXPERTISE

Krishna Arjun Kothapalli is a manufacturing executive with more than 18 years of experience in the photovoltaic industry, specializing in the design, industrialization, and ramp-up of large-scale cell and module production lines.

At SWELECT HHV Solar Photovoltaics, he leads manufacturing operations, industrial process engineering, and quality management for a 2 GW high-efficiency PV line. His remit spans greenfield project planning — including Detailed Project Reports, line layout, TCO modelling, and capital cost estimation — through to installation and commissioning alongside global OEMs, technology transfer, and sustained equipment uptime.

Across his career, Mr. Kothapalli has directed line setups and technology transfers totalling more than 6 GW of installed capacity. His technical depth spans advanced cell architectures including TOPCon and PERC, BSF, cell-to-module (CTM) loss optimization, and New Product Introduction, and he has secured NABL accreditation for an in-house reliability laboratory.

Mr. Kothapalli serves on the Solar Photovoltaic Energy Systems Sectional Committee (BIS ETD 28, India), contributing to national standards development for the solar photovoltaic sector.

AREAS OF EXPERTISE

- Manufacturing Operations & Industrial Process Engineering
- Large-Scale Cell & Module Production Line Design and Ramp-Up
- Greenfield Project Planning (DPR, Line Layout, TCO Modelling, Capex Estimation)
- OEM Installation, Commissioning & Technology Transfer
- Advanced Cell Architectures — TOPCon, PERC, BSF
- Cell-to-Module (CTM) Loss Optimization
- New Product Introduction (NPI)
- Quality Management & Reliability Testing (NABL-Accredited Laboratory)
- Equipment Uptime & Capacity Utilization

PROFESSIONAL AFFILIATIONS

- Member, Solar Photovoltaic Energy Systems Sectional Committee (BIS ETD 28, India)