## Energy and High Voltage Engineering Design

**Services:**

- High and Extra High Voltage Substation
- Medium Voltage Distribution Networks
- Solar Energy Power Plants (PV Plants)
- Wind Energy Power Plants
- Waste Energy Recovery
- Energy Audits (Buildings and Industrial)
- Energy Audit and Energy Efficiency
- Smart Grid Electrical Networks
- Environmental Management System (EMS)
- Transmission and Distribution (T&D) Systems
- Electrical Systems Design
- Technical & Commercial Evaluation/ Analysis Of Bidders Offers
- Technical training
- Technical and Economic Feasibility Studies

**Codes and Standards:**

- Egyptian Codes
- Egyptian Electricity Transmission Company (EETC) Codes and Standards
- International Codes
- RC Codes (KSA)
- Saudi Electricity Company (SEC) Codes

**Software:**

- CDEGS & CYMGRID (Grounding System Design Calculations)
- DIALux (Indoor and Outdoor Lighting System Design Calculations)
- ELITE CHVAC (Heat Load Calculations)
- ELITE DUCT SIZE (HVAC Duct Sizing Calculations and Analysis)
- MICROSTATION (Drafting)
- STAAD-PRO (Structure Analysis and Design)