

THE ENGINEERING CAPITAL

TEC

Engineering Excellence for Smart Energy & Automation

Global SCADA Engineering Services for Solar, Wind, and BESS

ABOUT TEC

Global Consultancy

TEC is a specialized engineering consultancy delivering high-quality renewable and electrical engineering designs globally. We bridge the gap between complex power systems and reliable automation.

INTERNATIONAL REACH

Experience across Australia, India, USA, South Africa, Guam, and diverse Island Nations.



CORE ENGINEERING SERVICES



SCADA Architecture

Strategic design of robust network backbones for utility-scale energy in compliance with IEC 62443.



HMI Integration Scheme

High-performance visualization for real-time monitoring and control.



Define Testing Protocols

Rigorous documentation for system validation and grid compliance.

RENEWABLE SEGMENTS



Solar Farms

Plant controls & utility monitoring.



Wind Projects

Turbine comms & performance analytics.



Solar + BESS

Hybrid EMS & integrated dispatch.

ENGINEERING SOLUTIONS



Industry Challenge

TEC Engineering Solution

Complex Multi-OEM Integration

Unified HMI Integration Scheme & Protocol expertise

Downtime Risks & Alarms

Advanced Alarm Management & Event Logging schemes

Grid Compliance & Cybersecurity

Secure-by-design Architectures & Testing Protocols

EFFICIENCY ADVANTAGE

Design & Documentation Turnaround



We deliver high-quality, compliance-ready engineering designs in a fraction of the time.

TECHNICAL EXPERTISE



Protocol Integration: Modbus, IEC 60870-5-104, IEC 61850, DNP3, and OPC DA/UA.



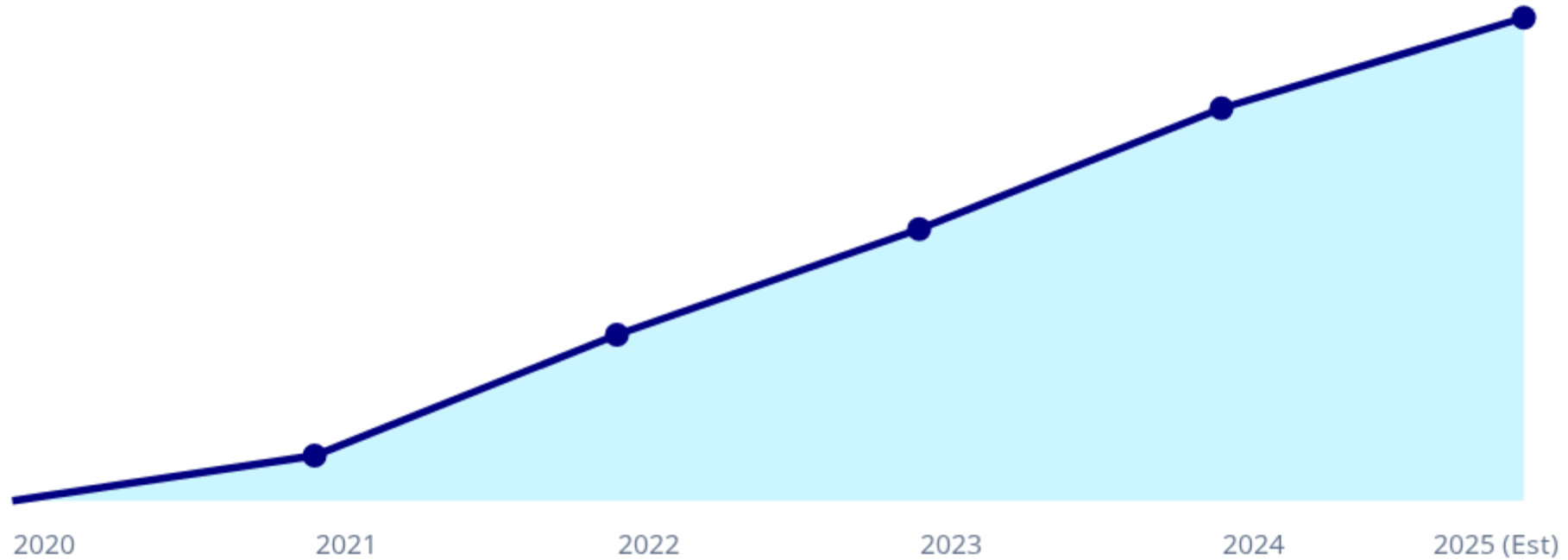
Cybersecurity: Security by Design in compliance with IEC 62443 and regulatory requirements.



Utility Automation: Intelligent substation designs for the modern grid.

MARKET TRAJECTORY

Adoption of Integrated Renewable SCADA



THE TEC ADVANTAGE

100+

GLOBAL PROJECTS

12+

COUNTRIES SERVED

100%

QUALITY FOCUS

ENGINEERING SCHEME

Integrated Visual Control

Our HMI integration scheme provides a unified interface for complex hybrid plants. By aggregating data from diverse sources, we empower operators with actionable insights.

"Engineering-driven visualization for operational excellence."





Partner With Us

Engineering Excellence for Smart Energy & Automation



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