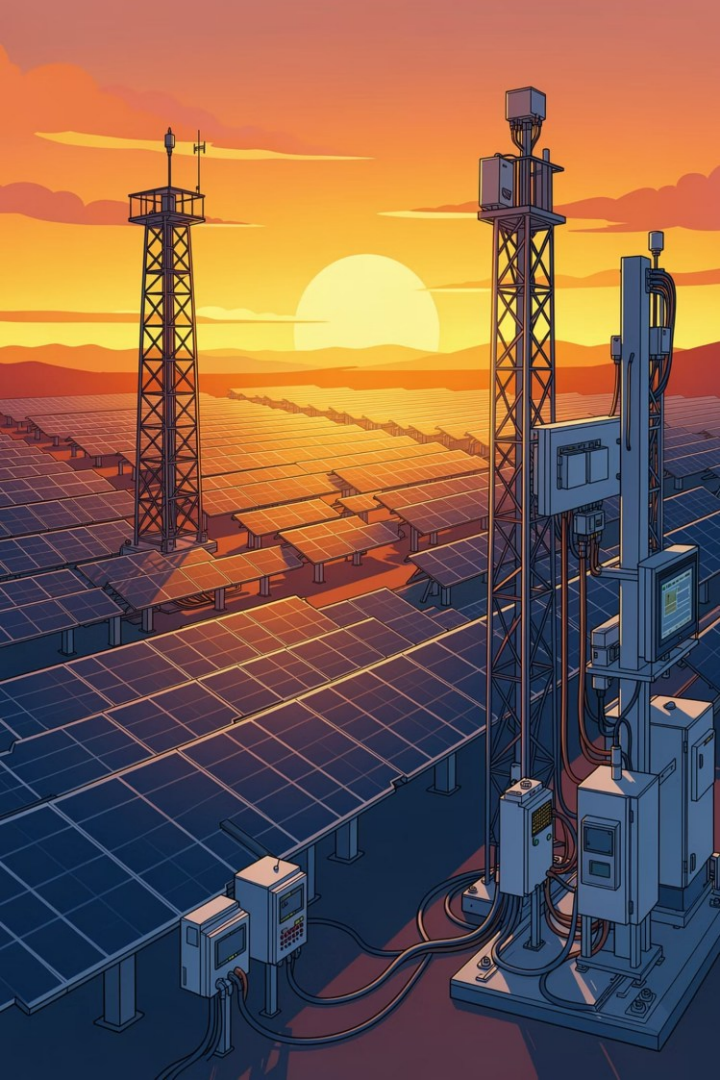




Precision Automation. Reliable Execution. Engineered for Industry.

AUTOMATION · SOLAR SCADA · PPC · OEM · PROCESS AUTOMATION



WHO WE ARE

Engineering Automation Excellence

Analog Engineering is a specialized industrial automation company delivering end-to-end engineering solutions across solar energy, OEM manufacturing, and process industries.

We partner with EPC companies, project consultants, and industrial clients to deliver automation systems that are reliable, scalable, and built to international standards.

Founded

Proven track record across complex projects

Expertise

SCADA, PPC, OEM & Process Automation

Focus

EPC-ready execution and integration

Core Service Offerings

Four integrated capability pillars designed to support the full project lifecycle — from design to commissioning.



Solar SCADA

Real-time monitoring, data acquisition, and remote control for utility-scale and commercial solar plants.



PPC Solutions

Power Plant Controller systems ensuring grid compliance, active/reactive power regulation, and fault management.



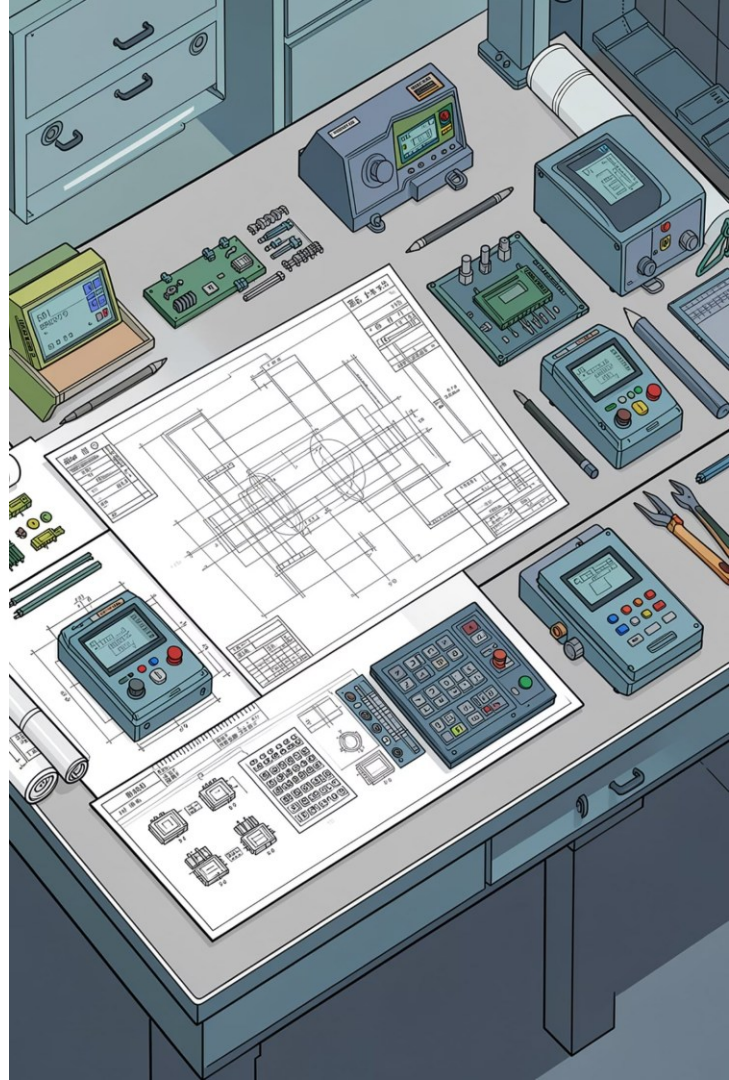
OEM Automation

Custom automation solutions built to OEM specifications — panels, control logic, and field integration.



Process Automation

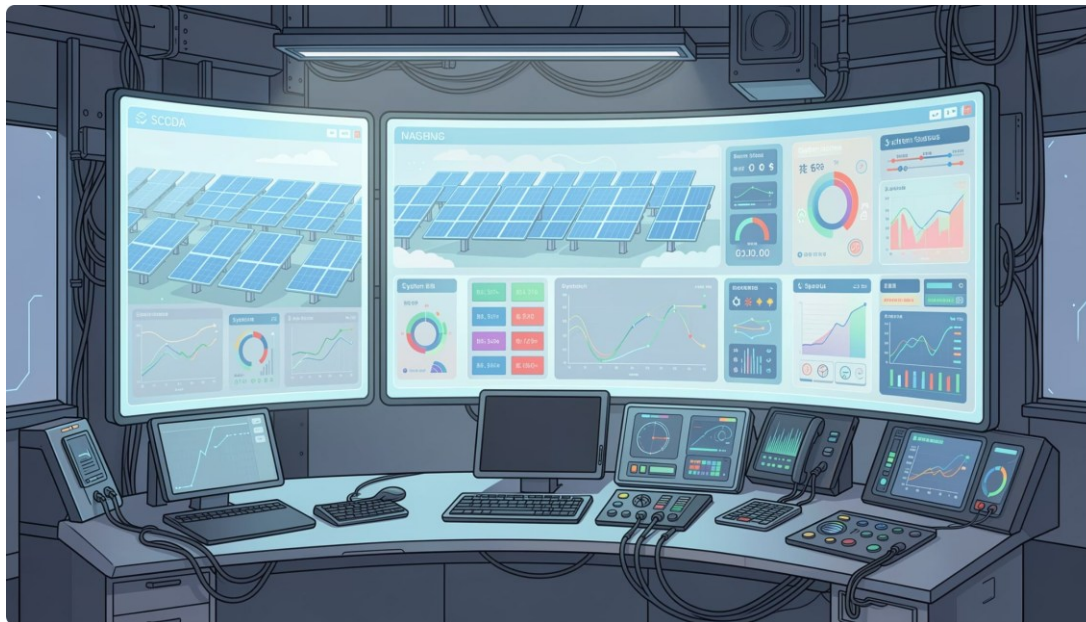
PLC/DCS-based control systems for continuous and batch process industries requiring precision and reliability.



Solar SCADA Solutions

Analog Engineering delivers fully integrated SCADA systems purpose-built for solar power plants — from string-level monitoring to plant-wide supervisory control.

- **Real-time data acquisition** from inverters, weather stations, and meters
- **Alarm management** and event logging for rapid fault response
- **Remote access** via web-based HMI for operators and asset managers
- **Performance analytics** — PR, CUF, generation vs. forecast
- **Multi-site aggregation** with centralized dashboard visibility
- **Protocol support:** Modbus, DNP3, IEC 61850, OPC-UA





Power Plant Controller (PPC) Solutions

Grid-compliant PPC systems engineered to meet stringent utility and grid-code requirements across renewable energy projects.

Active Power Control

Frequency response, ramp rate limiting, curtailment management, and power set-point tracking per grid code.

Reactive Power & Voltage Regulation

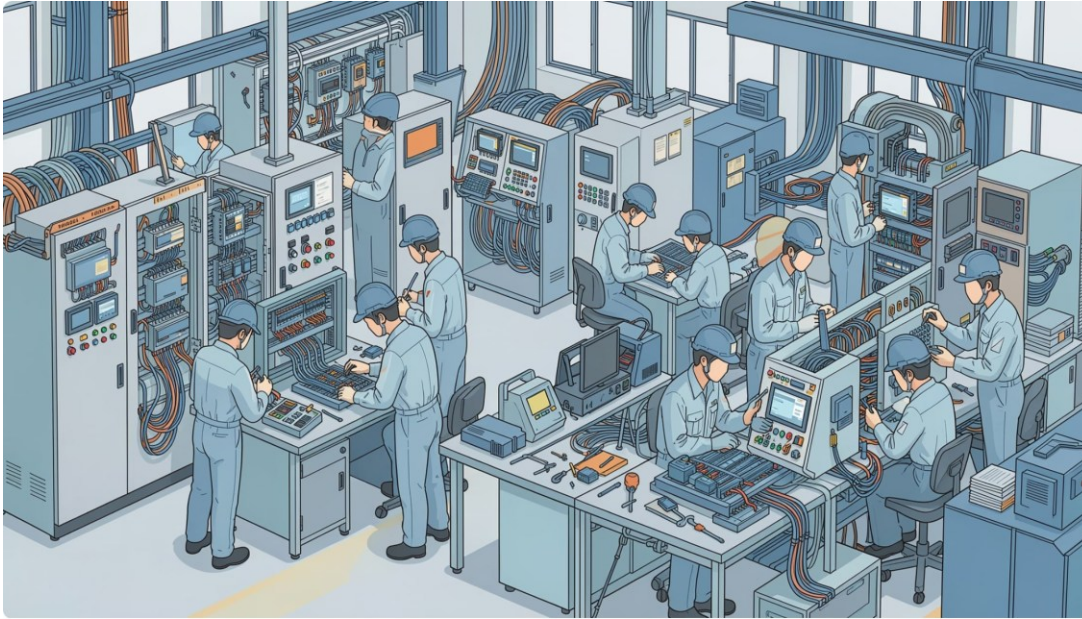
Dynamic VAR compensation, power factor correction, and voltage support at the point of interconnection.

Fault Ride-Through (FRT)

Low and High Voltage Ride-Through logic ensuring plant stability and grid compliance during network disturbances.

SCADA & DMS Integration

Seamless interfacing with utility SCADA systems, energy management platforms, and third-party monitoring tools.



Built to Your Specification

We design and manufacture automation systems tailored to OEM requirements — from standalone control panels to fully integrated machine control architectures.

Panel Engineering

MCC, PLC, and drive panels designed, built, and tested to IEC standards

Control Logic

PLC programming, HMI development, and safety system integration

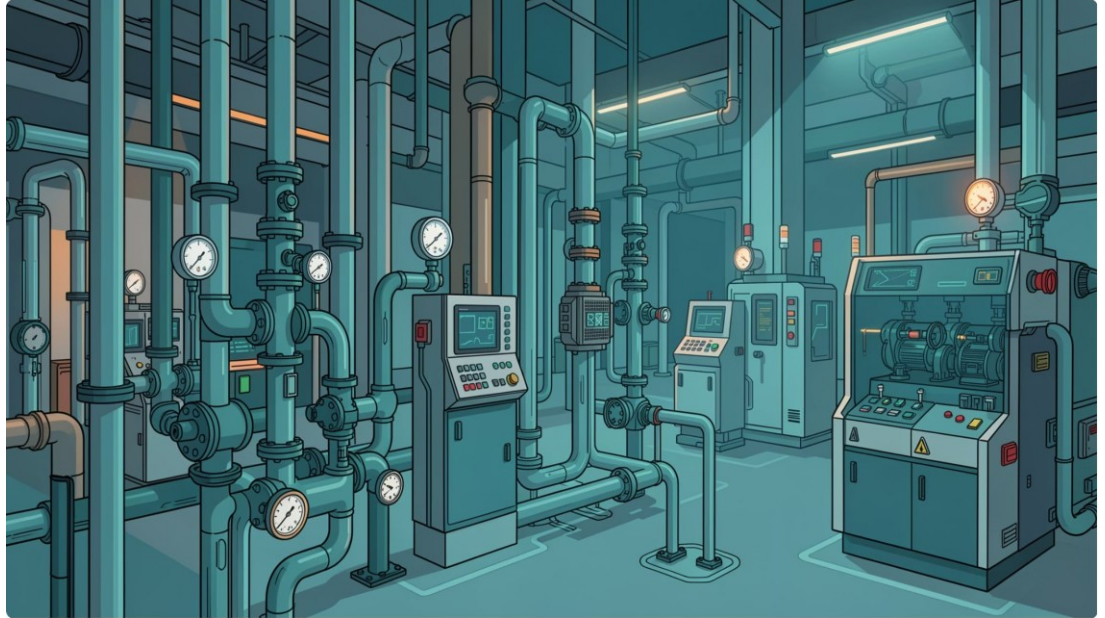
FAT / SAT Support

Factory and site acceptance testing with full documentation packages

Precision Control for Industrial Processes

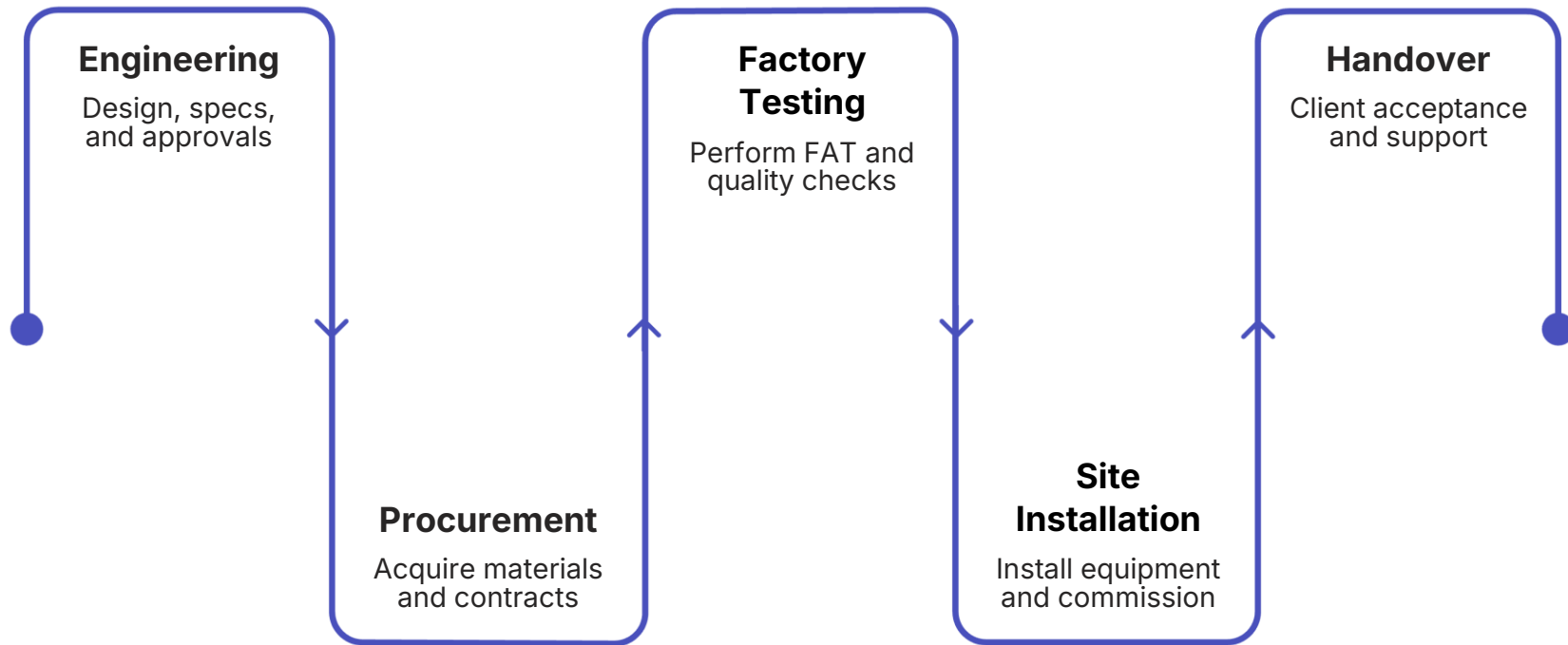
From water treatment to manufacturing, Analog Automation delivers robust process control solutions that optimize efficiency, ensure safety, and reduce downtime.

- **PLC & DCS engineering** for continuous, batch, and hybrid processes
- **Instrumentation & loop tuning** for precise process control
- **SCADA integration** with historian and reporting systems
- **Safety Instrumented Systems (SIS)** to IEC 61511 standards
- **Retrofit & modernization** of legacy control systems



Project Execution Approach

A structured, stage-gated methodology ensures every project is delivered on scope, on schedule, and to specification.



Each phase is governed by formal documentation, client sign-off milestones, and a dedicated project engineer — ensuring full transparency and accountability throughout execution.

Why EPC Companies Choose Analog Engineering



EPC-Ready Engineering

We align with EPC workflows — delivering detailed design documentation, IFC drawings, and FAT/SAT procedures that integrate seamlessly into your project schedule.



Multi-Vendor Integration

Experienced with leading inverter, switchgear, and instrumentation brands. We handle multi-vendor integration complexity so your project runs smoothly.



End-to-End Project Support

From concept engineering through commissioning and post-handover support, we remain engaged throughout — reducing interface risk for EPC contractors.

Let's Build Something Together

Analog Engineering is ready to support your next project — from early-stage engineering consultation to full system delivery and commissioning.



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