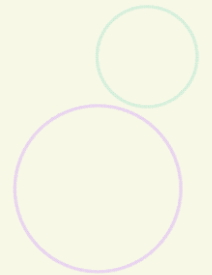


Yohan Engineering Solutions

Company Profile 2026

Engineering Excellence · Quality on Time



Agenda

01 Company Overview and Foundation

02 Team Expertise and Engineering Capabilities

03 Core Engineering and Consultancy Services

04 Manufacturing, Automation, and System Studies

05 Training, Trading, and Client Engagement

SECTION 01

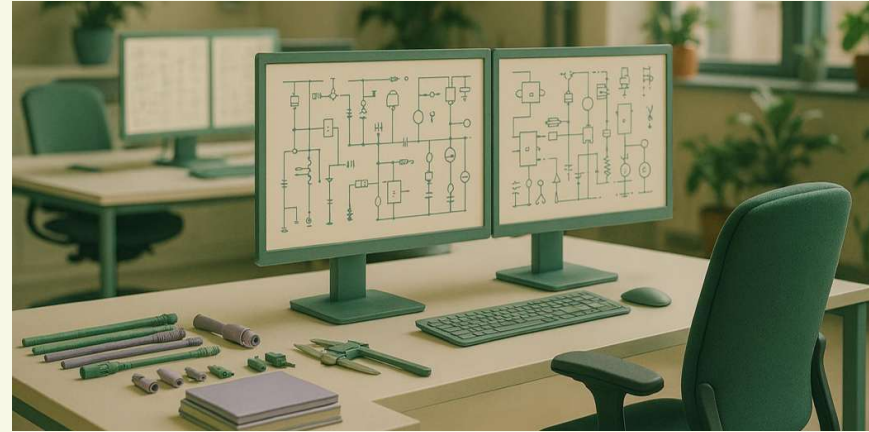
Company Overview and Foundation

Introduction to Yohan Engineering Solutions, Vision, Mission, and Quality Philosophy

About Yohan Engineering Solutions

India-based engineering services company established in 2022, headquartered in Chennai, Tamil Nadu. Focused on high-quality electrical design, automation, and power engineering across diverse industrial sectors.

Covers the complete lifecycle from conceptual design to commissioning using modern tools like AutoCAD, EPLAN Electric P8, EPLAN Pro Panel 3D, SEE Electrical & MicroStation for global compatibility.



One-Stop Solution

Eliminates multi-vendor coordination for design, panel engineering, automation programming, and system studies.

Industries Served

Power generation & distribution, warehouse automation, process industries, manufacturing plants, and infrastructure.

Compliance & Credibility

Registered under GST and MSME, demonstrating regulatory compliance and professional credibility.

Vision, Mission & Quality

"Quality on Time" – Technical excellence with schedule adherence



Standards-Driven Quality

Engineering deliverables reviewed against IEC, IEEE, NFPA, IS, EN & AS&NZ 3000 standards ensuring safety, reliability, and long-term operational performance.

End-to-End Verification

Verification covers functional correctness, protection coordination, thermal performance, maintainability, and accurate as-built documentation.

Continuous Improvement

Supports operational efficiency, reduced downtime, and regulatory compliance for both greenfield and brownfield projects across power and process industries.

SECTION 02

Team Expertise & Engineering Capabilities

Experienced Engineering and Automation Team, Design Standards, Tools, and Global Compliance

Experienced Engineering Team

20+

Years of collective
engineering expertise

Hands-on exposure in electrical design, automation, manufacturing support, and industrial operations. Activities span control panel engineering, LT switchboard design, PLC programming, testing, commissioning, and building electrical maintenance.



Design & Execution Perspective

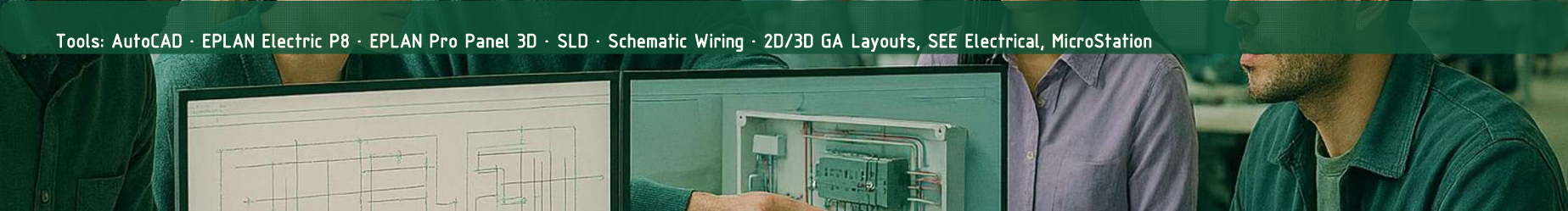
Solutions that are practical, manufacturable, and easy to maintain from both design and site viewpoints.



Global Project Experience

Country-specific standards and compliance knowledge for export-oriented and multinational clients.

Tools: AutoCAD · EPLAN Electric P8 · EPLAN Pro Panel 3D · SLD · Schematic Wiring · 2D/3D GA Layouts, SEE Electrical, MicroStation



Design Standards & Compliance

Standards We Follow

IEC

NFPA

IEEE

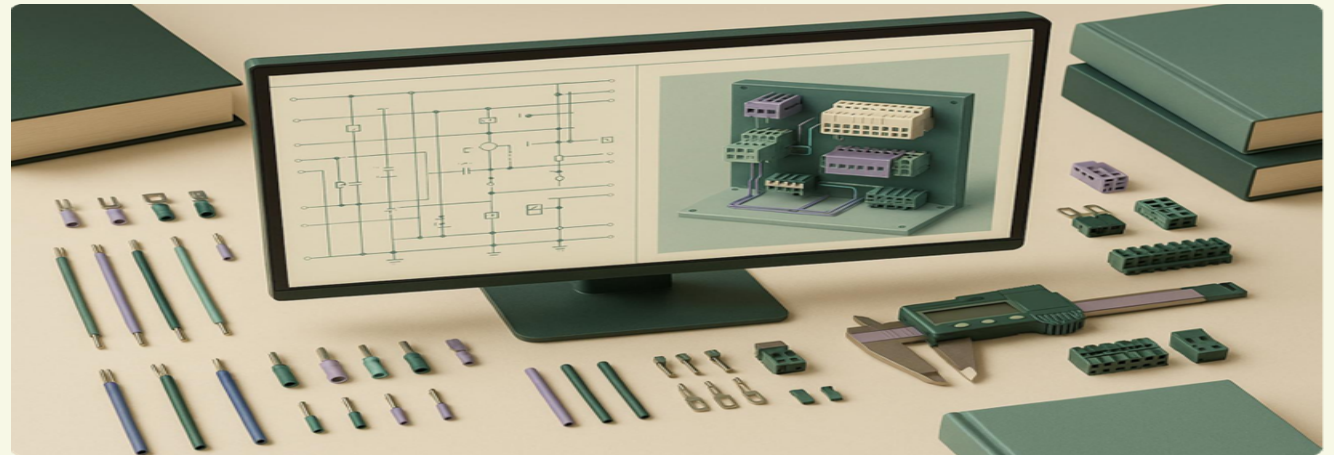
IS

EN 528

AS/NZS

Engineering Activities

- ▶ Single-line diagrams
- ▶ Electrical load lists
- ▶ Cable sizing calculations
- ▶ Protection coordination
- ▶ Communication architectures
- ▶ Switch room layouts
- ▶ Cable tray & trench design
- ▶ Interconnection diagrams



Digital Engineering Approach

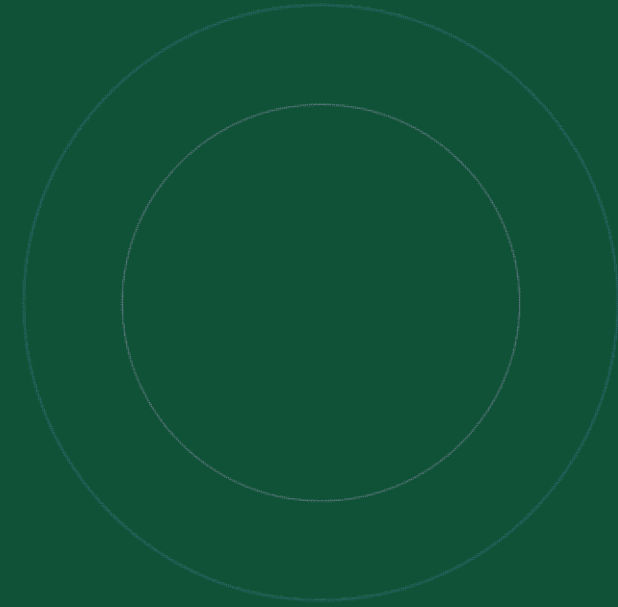
EPLAN-based workflows enable structured, database-driven engineering with automated report generation and seamless integration between schematic design and 3D panel layouts. This reduces errors, improves consistency, and shortens project timelines.

Custom EPLAN database capabilities enhance standardization and reuse of proven design templates for EPC contractors, consultants, and end users worldwide.

SECTION 03

Core Engineering & Consultancy Services

Electrical Design and Automation Consultancy, Digitalization, Documentation, and As-Built Services



Electrical Design & Consultancy

Comprehensive end-to-end electrical engineering support for power and automation sectors – from concept development to detailed design, review, and commissioning.



Warehouse & Line Automation

Consultancy for warehouse automation, line automation, special purpose machines, and optimized engineering through standardization approaches.



Conveyor Automation

Expertise in belt, chain, and roller conveyor systems with complete electrical system integration and control design.



Detailed Engineering

Single-line diagrams, schematic wiring, 2D/3D layouts, cable routing and sizing, and balance of plant engineering deliverables.



Third-Party Review

Reviewing third-party engineering deliverables to ensure quality, safety, and compliance as a single point of responsibility.

Electrical Design & Consultancy

Comprehensive end-to-end electrical engineering support for power and automation sectors – from concept development to detailed design, review, and commissioning.



Mining Machines Detailed Engineering

Consultancy for machines optimized engineering through standardization approaches.



Cement Plant Layout and Machineries Electrical Engineering

Expertise in Cable routing, BOM generations, Lighting & Equipment Engineering with complete electrical system integration and control design.



Detailed Engineering Services & Drafting Services–Multiple Countries (India, Singapore, Australia, Gulf Countries)

LT Switchgears, PLC Automation Panels, Detailed Engineering & Drafting support for Indian & Abroad Projects. Being an Engineering Center supporting from India.

Familiar with multiple countries standards to thrive detailed engineering and assisting project completion on time with high quality.



Consultancy

Assisting Companies to have optimized and efficient engineering with latest market products and helping to do the tasks with minimal resources.

Digitalization & As-Built Services



Legacy Document Conversion

Converting physical drawings, reports, and manuals into structured digital formats. Recreating complex electrical and automation drawings into IEC-compliant schematics.

As-Built Documentation

Final drawings accurately reflect site conditions post-installation and commissioning – critical for maintenance, troubleshooting, and future modifications.

Brownfield Plant Support

Particularly valuable for brownfield plants where outdated or incomplete documentation poses significant operational risks. Enables compliance audits and improved asset management.

SECTION 04

Manufacturing, Automation & System Studies

Electrical Panel Manufacturing Solutions, PLC, SCADA, and ETAP System Studies

Panel Manufacturing Solutions

End-to-end electrical panel manufacturing designed in compliance with IEC 61439 standards.



Panel Types We Manufacture

Power Control Centers

Motor Control Centers

APFC Panels

AMF Panels

DG Sync Panels

Bus Ducts

Soft Starter Panels

Distribution Boards

PLC & VFD Based Control Panels

Design-driven manufacturing with detailed 2D/3D engineering ensures accurate layout, proper heat dissipation, ease of wiring, and maintainability. Multi-stage quality checks verify component selection, wiring integrity, and functional performance.

PLC, SCADA & ETAP Studies

PLC & SCADA Solutions

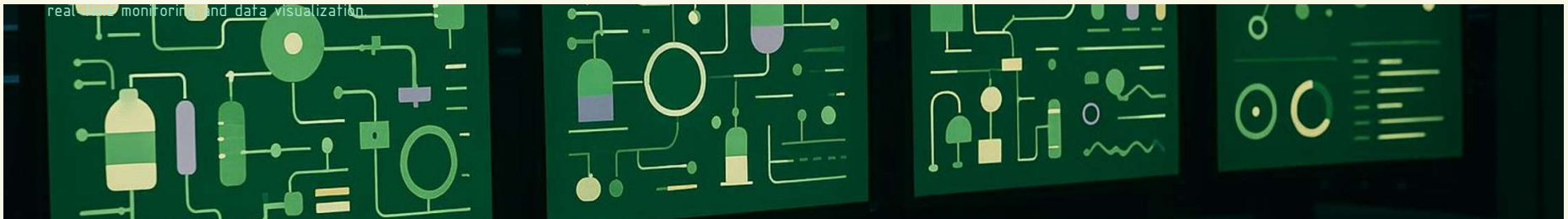
- ▶ Rockwell Automation (Allen-Bradley)
- ▶ Siemens S7 Series
- ▶ Mitsubishi PLC Platforms
- ▶ Delta Automation Controllers
- ▶ Siemens WinCC SCADA
- ▶ Schneider SCADA Solutions

Programming, testing, and site commissioning support for complete automation projects with

ETAP System Studies

- ▶ Short-Circuit Analysis
- ▶ Load Flow Studies
- ▶ Arc Flash Analysis
- ▶ Relay Coordination
- ▶ Harmonic Analysis
- ▶ Motor Acceleration Studies
- ▶ Transient Stability Assessment

real-time monitoring and data visualization

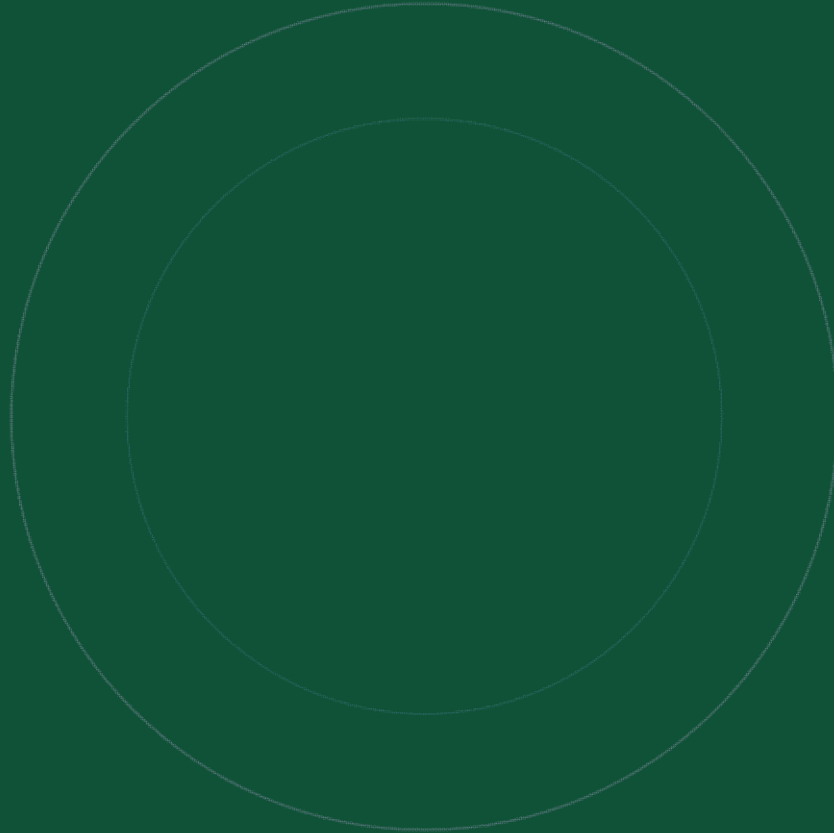


Holistic solutions combining automation expertise with analytical system studies for enhanced safety, efficiency, and long-term performance

SECTION 05

Training, Trading & Client Engagement

Industrial Training and Skill Development, Trading Services and Contact Information



Industrial Training Programs

Structured programs bridging academic knowledge and practical industrial application with hands-on experience and real-world engineering scenarios.



AutoCAD Electrical Design

Computer-aided electrical design training covering schematic creation, layout design, cable routing, and documentation best practices.



EPLAN Electric P8

Basic and advanced EPLAN P8 training for panel engineering, database-driven design workflows, and automated report generation.



EPLAN Pro Panel 3D

Introductory training in 3D panel layout design, component placement, thermal management, and manufacturing-ready outputs.



SEE Electrical

Basic training for panel engineering, database-driven design workflows, and automated report generation using Schneider software



Foundational Electrical Engineering

Customized training modules aligned with industry requirements, skill levels, and career goals of engineers and trainees.

Trading & Sourcing Services

🔒 Authorized System Integrator for SICK Sensors & Scanners

🔒 Authorized channel partner for Axis Solutions Ltd

Partner Brands We Supply

ABB

Siemens

Schneider

Lenze

Omron

LAPP Kabel

WAGO

Phoenix Contact

Havells

Murr Electronics

Schmersal

Products We Supply

Switchgear · Drives · Motors – Gear Boxes · Sensors · Safety Devices · Cables · Terminals · Panel Accessories

Get In Touch

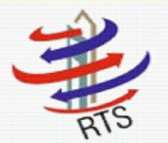
📍 Chennai, Tamil Nadu, India

✉️ Contact us for Engineering, Sales & Support

📞 Available for project inquiries

Single sourcing solution reducing procurement complexity, lead times, and coordination effort for customers across all sectors.

Customer References



IN CONCLUSION

Empowering Engineering Excellence

Yohan Engineering Solutions stands as a beacon of innovation and quality in electrical and automation engineering. With our experienced team, comprehensive services, and commitment to client success, we are well-positioned to meet future challenges.

Thank you for exploring our profile!



Yohan Engineering Solutions

Chennai, Tamil Nadu · India

Quality on Time · Engineering Excellence