

ZENTIQ SOLUTIONS

Automation & Electrical

INDUSTRIAL AUTOMATION & ELECTRICAL ENGINEERING

Consulting to Execution

Engineering practical solutions for reliable, efficient and smarter industrial operations.

COMPANY PROFILE | 2026

Your engineering partner for automation projects, technical problem-solving and plant performance improvement.

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LOCATION	Barnala, Punjab, India

About Zentiq Solutions

Zentiq Solutions Pvt. Ltd. is an engineering consulting and project-support company focused on industrial automation and electrical engineering. We help industrial customers move from a technical challenge or project concept to a practical, well-documented solution—from assessment and engineering through implementation, commissioning and ongoing optimisation.

Our approach combines hands-on industrial automation experience with structured troubleshooting, clear technical communication and a focus on maintainability. We tailor the scope to the plant, machine, available infrastructure and operational priorities.

Core Services

PLC, HMI & SCADA Engineering

PLC logic development and modification, HMI screens, SCADA integration, alarms, trends, data logging, diagnostics and technical documentation.

Drives, Motion & Machine Control

Support for VFDs, servo systems, motor control, machine sequences, interlocks, commissioning and performance troubleshooting.

Electrical Engineering & System Integration

Electrical design support, control architecture, I/O planning, panel and field interface reviews, network integration and retrofit planning.

Commissioning & On-site Project Support

Installation coordination, functional checks, start-up assistance, fault finding, punch-list closure and handover support.

Remote Troubleshooting & Engineering

Remote diagnostics, logic review, technical guidance, software changes where authorised, and structured follow-up with site teams.

Training & Maintenance Support

Practical technical workshops, PLC and HMI learning, maintenance guidance, troubleshooting methods and skills development for plant teams.

Technology & Engineering Capabilities

Our work can be scoped around the customer's installed systems, site standards and project requirements. Typical areas include.

PLC & Control

Siemens S7, TIA Portal, control logic, sequencing, interlocks, diagnostics and I/O checks.

Drives & Motion

VFDs, servo systems, motor control, drive commissioning and fault analysis.

Process & Plant Systems

PCS 7 / DCS-related support and coordination with plant engineering teams where required.

HMI / SCADA

WinCC and operator-interface concepts, alarms, trends, visualisation and operator usability.

Industrial Communication

PROFINET, PROFIBUS, Modbus, OPC UA and industrial Ethernet integration, as applicable.

Reliability Improvement

Root-cause analysis, recurring-fault reduction, performance tuning and technical documentation.

Industries & Applications

- Paper & process machinery: machine control, process coordination, troubleshooting and upgrades.
- Automotive & manufacturing: production equipment, machine automation, drive systems and line support.
- General industry: plant electrical and automation support, retrofit projects, operational reliability and maintenance.
- OEMs and system integrators: engineering capacity, remote PLC support, commissioning assistance and documentation.

How We Work

- 1. Understand** — Discuss the process, symptoms, objectives and constraints.
- 2. Define** — Agree scope, deliverables, access needs and milestones.
- 3. Engineer** — Develop, review or troubleshoot the agreed solution.
- 4. Validate & hand over** — Test appropriately, document changes and share next steps.

Flexible Project Engagement

We can discuss a delivery model that fits your project, available site resources and timeline. Final scope, access, travel requirements, rates and schedule are agreed before work begins.

Project-based engineering

Defined tasks and deliverables such as PLC/HMI changes, system reviews, troubleshooting or documentation.

Remote technical support

Scheduled remote sessions for diagnostics, engineering assistance and follow-up, subject to customer-approved access.

On-site commissioning support

Planned site visits for installation checks, commissioning, fault resolution and handover activities.

Training and knowledge transfer

Customised online or on-site sessions for engineers, technicians and maintenance teams.

Why Work With Zentiq?

- Practical, solution-oriented engineering with attention to plant uptime and maintainability.
- Support across the project lifecycle—from early assessment to commissioning and optimisation.
- Flexible remote, on-site and project-based engagement options.
- Clear communication, technical documentation and knowledge transfer.
- A focus on diagnosing root causes—not just treating recurring symptoms.

LET'S DISCUSS YOUR AUTOMATION REQUIREMENTS

Share your machine or plant challenge, project scope, installed systems and target timeline. We will review the information and discuss a suitable support approach.

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Note: Services are provided subject to an agreed scope of work, customer approvals, system access and applicable safety, confidentiality and site requirements. Product names are referenced only to describe technical capabilities; this profile does not imply manufacturer authorisation or certification.