



COMPANY PROFILE 2026

ENGINEERED POWER. CONTROLLED PERFORMANCE.

Electrical panels, power quality, medium-voltage solutions, transformers and industrial automation - engineered for reliability and built around the application.




ELECTRICAL
PANELS


SERVO
STABILIZERS


VCB
11/33 kV


TRANSFORMERS


POWER QUALITY
SOLUTIONS


INDUSTRIAL
AUTOMATION

COMPANY OVERVIEW

Engineering Reliability Into Every Stage

VAAS Electric India Pvt. Ltd. provides engineered solutions for power distribution, protection, control, power quality and industrial automation. Our approach combines application understanding, detailed engineering, product selection, controlled manufacturing, testing and dependable service support.

From custom-built LT panels and power-quality solutions to PLC, VFD and HMI product supply, control-panel integration and automation support, each requirement is developed around site conditions, operating needs and applicable project specifications.

LT

6300 A

LT PANEL CAPABILITY

Project-specific LT panel ratings and engineered configurations.

SC

70 kA

FAULT LEVEL REF.

Short-circuit test / approval reference subject to certified design conditions.

MV

11 / 33 kV

VCB SOLUTIONS

Medium-voltage switching, integration, testing and service support.

PQ

5-3000 kVA

POWER CONDITIONERS

Application-specific power conditioning range reference.

CORPORATE SNAPSHOT

Legal Name	VAAS Electric India Pvt. Ltd.
Location	Plot No. 5, IMT Road, Near Kidzee School, Sector 93, Gurugram, Haryana
Core Focus	Electrical panels, power quality, VCB solutions, transformers and industrial automation
Website	www.vaaselectric.com

VISION, MISSION & VALUES

Vision: Support industrial progress through reliable, application-focused electrical and automation solutions.

Mission: Create long-term customer value through responsible engineering, controlled manufacturing, dependable products and responsive technical support.

Values: Quality, integrity, safety, technical excellence, customer commitment and continuous improvement.

WHY VAAS

Engineering Trust. Delivering Excellence.

A project-based operating model that connects engineering, manufacturing, testing, commissioning and service support.

01

ENGINEERING EXCELLENCE

Application-led design for reliable performance and practical site integration.

02

CUSTOM MANUFACTURING

Panels and electrical solutions configured around project requirements.

03

PROJECT SUPPORT

Responsive commercial and technical coordination from enquiry to execution.

04

QUALITY PROCESS

Controlled production, inspection, functional verification and documentation.

05

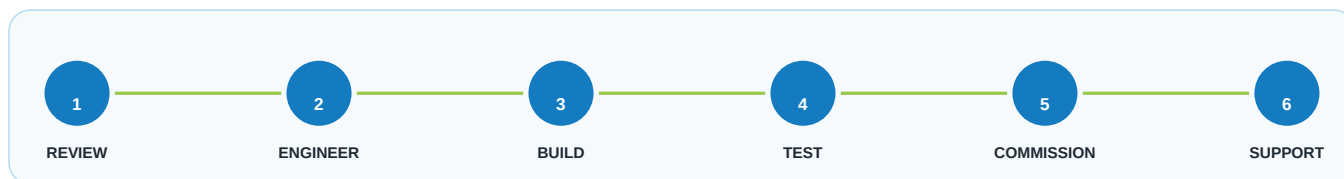
PROJECT EXECUTION

Clear coordination from approved inputs through dispatch and commissioning.

06

EXPERIENCED TEAM

Practical industry knowledge across panels, protection, power quality and field service.



ELECTRICAL DISTRIBUTION

Custom Electrical Panels for Industrial & Commercial Applications

Panels are engineered around the approved SLD, BOQ, load schedule, fault level, protection philosophy, metering, control logic and site conditions.

Panel Type	Primary Function	Typical Applications
LT Panels	Low-voltage power receiving, control and distribution	Plants, utilities, buildings and infrastructure
PCC Panels	Main incoming and outgoing power distribution	Transformer, DG and high-capacity distribution systems
MCC Panels	Motor starting, protection, monitoring and control	Pumps, fans, conveyors and process machinery
APFC Panels	Automatic reactive-power compensation	Motor-intensive and inductive-load facilities
AMF Panels	Automatic mains monitoring, DG start-stop and changeover	Emergency and standby power systems
Synchronization Panels	Source synchronization, sequencing and load sharing	Multiple DG and parallel-source applications

DESIGN & MANUFACTURING CAPABILITIES

- ACB, MCCB, MCB and motor-starter feeder configurations with project-specific protection selection.
- Copper or aluminium busbar systems reviewed against rated current and fault-duty requirements.
- Fixed or draw-out feeders, specified form of separation, segregation and cable-entry arrangement.
- Protection relays, metering, indication, annunciation, energy monitoring and communication interfaces.
- Electrical / mechanical interlocking, AMF / synchronization logic, PLC interfaces and VFD integration.
- Labelling, ferruling, wiring references, inspection records and agreed technical documentation.

STANDARDS & TEST POSITION

Engineering references include IEC 61439-1 / IEC 61439-2 and applicable project requirements. VAAS capability references include LT panels up to 6300 A, fault-level reference up to 70 kA and enclosure protection up to IP65 where applicable. CPRI approval / test references apply only to the exact design, rating, construction and test conditions covered by the relevant certificate or report.

ELECTRICAL PANELS

Engineered Protection. Tested Capability.

Technical configuration is selected from system duty and approved project inputs - not from a one-size-fits-all standard panel.



TECHNICAL CAPABILITY REFERENCES

6300 A

LT PANEL CURRENT

70 kA

FAULT LEVEL

UP TO IP65

ENCLOSURE PROTECTION

690 V

SYSTEM VOLTAGE REF.

ENGINEERING INPUTS THAT DEFINE THE PANEL

SYSTEM

Voltage, source capacity, fault level and earthing philosophy.

LOAD

Feeder ratings, motor data, diversity, demand and future margin.

PROTECTION

Breaker selection, relay functions, interlocks and discrimination intent.

METERING

Energy / multifunction metering, CTs and communication requirements.

MECHANICAL

Form of separation, IP requirement, cable entry, mounting and access.

CONTROL

AMF, synchronization, PLC logic, VFD interfaces and remote signals.

Final suitability is confirmed against the approved SLD, BOQ, drawings, component makes, site conditions, fault duty and applicable test documentation. Ratings shown are capability / reference values and remain project-specific.

POWER QUALITY SOLUTIONS

Stable, Isolated and Application-Specific Power

Voltage correction, galvanic isolation, custom voltage ratios and application-specific power conditioning are selected from measured supply conditions, connected load and installation environment.

Solution	What It Does	Typical Configurations
Servo Voltage Stabilizer	Automatically corrects high or low input voltage within the designed range	Single / three phase; air or oil cooled; balanced or unbalanced
Isolation Transformer	Provides galvanic separation and selected voltage-ratio conversion	1:1, step-down or step-up; ultra-isolation; K-rated options
Power Conditioner	Combines voltage regulation with isolation / application-specific conditioning	415 V output or application-specific 200 / 220 V step-down output

CONFIGURATION & ENGINEERING SCOPE

- Project-specific input range, output voltage and regulation tolerance.
- Air-cooled, forced-air or oil-cooled construction selected from duty.
- Copper or aluminium windings, electrostatic / multiple shielding and K-rated harmonic-duty options where specified.
- High / low cut-off, overload, short-circuit, phase protection, bypass, metering and communication as agreed.
- Indoor or project-specific enclosure, ventilation, cable interface, neutral bonding and shield-earthing coordination.

INPUTS NEEDED FOR CORRECT SELECTION

- Minimum, normal and maximum incoming voltage.
- Connected kW / kVA, starting current, inrush, power factor and duty cycle.
- Required output, phase arrangement, load sensitivity and harmonic information.
- Ambient temperature, ventilation, indoor / outdoor location, footprint and cable entry.

POWER CONDITIONER REFERENCE

Capacity reference 5-3000 kVA | Typical 3-phase input reference 340-460 V | Output reference 400 V +/- 1% | Efficiency reference above 98%. Final selection remains application-specific.

POWER QUALITY

Servo Voltage Stabilizers

Precision voltage regulation for industrial and sensitive loads, supported by selection, supply, servicing and maintenance capability.



TYPICAL APPLICATION FOCUS

- Voltage stabilization for industrial process equipment and sensitive electrical loads.
- Selection based on actual incoming voltage range, load behaviour and duty cycle.
- Balanced or unbalanced load configurations as required.
- Protection, bypass, metering and communication features as agreed in the project scope.

SERVICE & LIFECYCLE SUPPORT

INSPECTION

General condition, connections, controls, ventilation and operating checks.

TESTING

Input/output verification, protection functions, bypass and functional checks.

REPAIR

Fault diagnosis, component replacement guidance and recommissioning.

AMC

Planned annual maintenance and corrective support against agreed scope.

SPARES

Selected spare support subject to model, rating and availability.

RECONDITIONING

Service review and restoration scope based on equipment condition.

Service availability remains subject to equipment rating, make / model, condition, site access, spare availability and mutually agreed scope.

MEDIUM-VOLTAGE SWITCHING

VCB Solutions for 11 kV and 33 kV Systems

Supply, panel integration, retrofit, servicing, testing and commissioning support for selected 12 kV and 36 kV-class vacuum circuit breaker equipment.



COMPLETE VCB SUPPORT SCOPE

- New VCB selection and supply against voltage, current, fault level and control voltage.
- Integration with metal-clad switchgear, relays, CTs, PTs, metering and interlocks.
- Retrofit review for ratings, dimensions, busbar interface and racking compatibility.
- Operating mechanism, coils, auxiliary contacts, racking and control-circuit servicing.
- Testing, functional verification, recommissioning and service documentation.

TYPICAL TECHNICAL SELECTION REFERENCES

Reference	Typical Basis
System Application	11 kV or 33 kV industrial distribution systems
Equipment Class	Selected 12 kV or 36 kV class
Rated Current	630 A, 1250 A or 2000 A reference
Fault Duty	25 kA for 3 sec reference
Degree of Protection	IP55 reference
Applicable References	IEC 62271-100, IEC 62271-200 and IS 13118

TESTING & DIAGNOSTICS

Contact resistance

Insulation resistance

Opening / closing timing

Trip-circuit verification

Relay functional checks

TRANSFORMER SUPPORT

Transformer & OLTC Services - Various Makes

On-site inspection, servicing, maintenance, oil-conditioning and recommissioning support subject to equipment condition, site assessment and agreed scope of work.



TRANSFORMER & OLTC SCOPE

- Transformer general inspection and condition assessment.
- OLTC inspection, cleaning, lubrication and operational checks.
- Motor-drive, limit-switch, interlock and control-circuit inspection.
- Oil filtration and dehydration with sampling / testing coordination where required.
- Bushing, terminal, leakage, insulation, alarm and trip observations.
- Corrective recommendations, recommissioning and service reporting.

SERVICE MODULES

OLTC SERVICING

Inspection, cleaning, lubrication, mechanism checks, control-circuit review and operational testing.

OIL FILTRATION & DEHYDRATION

On-site filtration and dehydration support for reducing moisture and suspended impurities, subject to preliminary assessment.

TESTING COORDINATION

Oil sampling, BDV / condition testing coordination and electrical checks where included in scope.

CONDITION REPORTING

Observed condition, corrective recommendations, operational verification and service documentation.

Service availability is subject to transformer rating, OLTC model, equipment condition, shutdown access, spare-parts availability, site assessment and mutually agreed scope.

INDUSTRIAL AUTOMATION

PLC, HMI and VFD Solutions

Product supply and application support for industrial control requirements, backed by panel engineering, programming, configuration, commissioning, retrofit and troubleshooting services.

Control Layer	Product Scope	Engineering Support
PLC & I/O	Selected PLCs and control hardware	I/O planning, logic development, sequencing and interlocks
HMI	Operator-interface products	Screen development, alarms, parameters and modifications
VFD / AC Drives	Industrial drives	Selection, parameterization, communication and commissioning
Process Control	Controllers, meters and selected field devices	Application selection and machine-level integration
Automation Panels	PLC, HMI, VFD and control-component assemblies	Engineering, wiring, testing and system integration

ENGINEERING & TECHNICAL SERVICES

- Application study, hardware selection, I/O mapping and network coordination.
- PLC programming and existing-logic modification.
- HMI screen development and configuration.
- VFD parameter setting, motor-control integration and replacement support.
- Field I/O, sensor and device integration, panel wiring and functional testing.
- Commissioning, breakdown diagnosis, retrofit and machine-control upgrades.

RETROFIT & UPGRADE APPROACH

Review existing hardware and drawings -> Map I/O, sequences, interlocks and communications -> Select compatible replacement hardware -> Integrate, program, test, commission and document the upgraded controls.

LIFECYCLE SUPPORT

Electrical & Automation Services

Structured technical support before, during and after execution - from requirement review to planned maintenance, fault diagnosis and recommissioning.

01

PRE-SALES ENGINEERING

Application review, SLD / BOQ / load study, rating selection and technical proposal support.

02

POST-SALES SUPPORT

Installation guidance, commissioning coordination, documentation clarification and troubleshooting.

03

PLC INSTALLATION & PROGRAMMING

Logic, HMI, VFD and automation-panel integration for machine and process control.

04

PREVENTIVE MAINTENANCE

Planned inspection, cleaning, connection checks, operational testing and observation reporting.

05

ON-SITE SERVICING & TESTING

Fault diagnosis, LT panel / automation service, ACB / VCB checks, relay testing and recommissioning.

06

AMC & BREAKDOWN SUPPORT

Planned annual maintenance and corrective service support against agreed equipment and scope.



PANELS



SERVO



TRANSFORMERS



ACB / VCB



AUTOMATION



SPARES

TESTING & MAINTENANCE

Preventive Maintenance, Diagnostics and Recommissioning

Field service is planned around the equipment condition, shutdown availability, applicable safety requirements and agreed scope.

LT PANELS

- Visual condition and mechanical connection checks.
- Protection-device, indication and control-circuit review.
- Terminal, earth and bolted-joint inspection.
- Cleaning, tightening and operational verification.

ACB / VCB

- Mechanism inspection, cleaning and lubrication.
- Arcing/contact condition and operating checks.
- Trip / close circuits, interlocks and auxiliaries.
- Contact resistance, timing and insulation tests where included.

TRANSFORMERS

- General inspection, leakage and connection review.
- OLTC mechanism and control-circuit checks.
- Oil filtration / dehydration support.
- Bushing, alarm, trip and protection observations.

SERVO / POWER QUALITY

- Input / output verification and functional checks.
- Protection, bypass, contactor / control review.
- Fault diagnosis and repair recommendations.
- Recommissioning and service reporting.

TYPICAL TESTS / CHECKS

Insulation resistance | Contact resistance | Opening / closing timing | Relay functional checks | Primary / secondary injection where applicable | Interlock and trip-circuit verification | Functional testing | Observation / service reports

ENGINEERING TO EXECUTION

A Structured Project Delivery Process

Clear technical inputs, coordinated execution and documented verification support dependable delivery and long-term maintainability.



ESSENTIAL PROJECT INPUTS

SLD, BOQ, load schedule, feeder details, source capacity, fault level, motor / I/O details, preferred makes, form of separation, IP requirement, cable entry, location and commissioning scope.

TYPICAL DELIVERABLES

Approved drawings, component schedules, labels, ferrules, wiring references, test records, operational checks, observation reports and handover documents where included.

QUALITY & COMPLIANCE

Quality Built Into Every Stage

Engineering quality is controlled through defined technical inputs, component selection, manufacturing checks, inspection, testing and documentation.

ENGINEERING REVIEW

Approved SLD / BOQ / ratings, protection philosophy, metering, controls and interface requirements.

MATERIAL & COMPONENTS

Approved makes, rating verification, incoming checks and traceable component schedules where applicable.

FABRICATION & BUSBAR

Mechanical construction, clearances, supports, earthing, busbar workmanship and specified segregation.

POWER & CONTROL WIRING

Cable sizing, routing, ferruling, termination, polarity, control logic and interlocking checks.

FUNCTIONAL TESTING

Operation, indications, metering, protection signals, electrical / mechanical interlocks and documented observations.

DOCUMENTATION

Drawings, schedules, labels, test records, operating notes and service reports as applicable to scope.

STANDARDS & QUALIFICATION POSITION

Electrical panels: IEC 61439-1 / IEC 61439-2 and applicable IS / IEC project requirements. Medium-voltage switching: IEC 62271-100 / IEC 62271-200 as applicable to the selected equipment and switchgear. CPRI approval / test references apply only to the exact design, rating, construction and test conditions covered by the relevant certificate or report. Final suitability is confirmed against approved technical inputs and equipment documentation.

APPLICATIONS

Solutions for Diverse Industrial Requirements

Product configuration and service scope are developed around each industry load profile, process needs, operating environment and reliability expectation.

01

Automobile

02

Pharmaceutical

03

Bottling

04

Packaging

05

Rubber & Plastic

06

Textile

07

Food Processing

08

Chemical

09

Commercial Buildings

10

Hospitals

11

Infrastructure

Typical application areas include power receiving and distribution, motor control, power factor correction, voltage stabilization, source changeover / synchronization, medium-voltage switching, PLC / HMI / VFD integration, retrofit and lifecycle service support.

CUSTOMER PORTFOLIO

Selected Client References

A cross-section of organisations represented in available VAAS project and service records. Names are shown as reference identifiers only.

BA Bhatia Alloy	AI Ambience Interiors Pvt. Ltd.	AE ADS Engineering	S Sangam
ES Enrich Solar	KM K.R. Mangalam World School	BA Bliss Anand	J Jaycee
Y Yutaka	V Vipul	SI Sonalika International	MM Metalman Micro Turners
RP Roop Polymers	PP Patikri Power	S SunCity	NE Ninaniya Estates
M M2K	CI Craftex India	C Crescent	B BHEL
D DEESYS	NW Next Wave India		

Reference list compiled from available VAAS profile / project material. Inclusion does not imply endorsement, exclusivity or a current contractual relationship.

FIELD EXPERIENCE

Representative Site-Service Work

Selected photographs from electrical maintenance, transformer, VCB, servo and LT-panel service assignments.



Repair & maintenance of 11 kV / 33 kV VCBs - Hydro power plant, Himachal Pradesh



Servo stabilizer and ACB repair / maintenance - Automotive facility, Bhiwadi



Transformer oil filtration - 2.5 MVA, 33 kV - Bharat Electronics Limited, Muradnagar



Transformer oil filtration - 5.5 MVA, 33 kV - Gurugram



11 kV VCB maintenance & servicing - Substation, Mandi (H.P.)



LT panel repair & services - Ram Nagar, Uttarakhand



LET'S ENGINEER THE RIGHT SOLUTION.

VAAS Electric India Pvt. Ltd. supports reliable, efficient and future-ready electrical systems - from electrical distribution and power quality to medium-voltage solutions, transformer services and industrial automation.

- **ELECTRICAL PANELS** Custom-built LT panels for distribution, control, APFC, AMF and synchronization.
- **VCB 11 kV / 33 kV** Supply, integration, retrofit, servicing and testing support.
- **SERVO STABILIZERS** Precision voltage regulation with lifecycle service support.
- **TRANSFORMER SERVICES** Transformer and OLTC inspection, servicing, filtration and condition support.
- **POWER QUALITY** Isolation transformers, power conditioning and application-based selection.
- **INDUSTRIAL AUTOMATION** PLC, HMI, VFD, control panels, programming, retrofit and commissioning.

GET IN TOUCH

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Engineered support for industrial and commercial power systems across India.