



Company Profile | 2026

End-To-End Generator Services Across UAE

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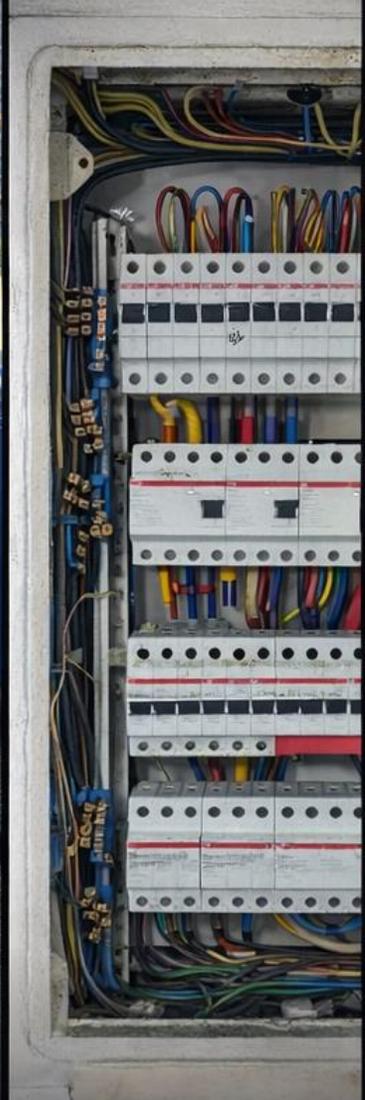




**GENERATOR
INSTALLATIONS**



**LOAD BANK
TESTING**



**POWER SYSTEM
INTEGRATION
& CONTROL**



**REPAIRS &
BREAKDOWN
SUPPORT**



MAINTENANCE



CONSULTATIONS



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About Us

Established in 2025, ElectroGen PowerSolutions delivers specialized power generation and electrical infrastructure services across the UAE and the wider Gulf region. Backed by decades of experience, our team brings deep, hands-on expertise across every stage of the generator lifecycle—spanning electrical systems, mechanical works, fabrication, controls, and power system design and consultancy.

We provide engineered solutions for diesel and hybrid generator systems, grid integration, and mission-critical power installations. Our multidisciplinary team structure ensures that each project is approached with the right technical expertise at every step, from planning and design through installation, testing, and long-term support.

We serve sectors where downtime is non-negotiable—such as data centers, healthcare facilities, and logistics operations—delivering services in generator installation, maintenance, fuel system integration, load testing, and more. We offer engineering solutions that ensure safety, compliance, and long-term performance.

For us, **Powering Precision Engineering** means less friction, smarter planning, and systems that perform exactly as expected.



Engineering Leadership

Driven by seasoned professionals with deep, hands-on industry experience



Critical Power Systems Expertise

Delivering solutions for environments where continuity of power is critical



Reliability and Transparent Execution

Built on accountability, clear scope definition, and disciplined project delivery



Mission, Vision, and Values

Mission

To deliver reliable, efficient, and technically sound power solutions that reduce complexity for our clients and ensure operations stay online- no matter the conditions.

Vision

To deliver reliable, efficient, and technically sound power solutions that reduce complexity for our clients and ensure operations stay online- no matter the conditions.

Values

- We prioritize **precision**, ensuring our systems are engineered correctly from the start, and **reliability**, with durable solutions backed by proactive service.
- We believe in **clarity** – offering straight forward, no-nonsense communication- and hold ourselves to high standards of **accountability**.
- Our focus on **efficiency** helps minimize delays, costs, while our commitment to **integrity** ensures ethical practices and client-first decisions.
- We remain **responsive**, to urgent needs and changing demands, we embrace **innovation** to keep our solutions aligned with the evolving power industry.



Corporate Social Responsibility

At Electrogen PowerSolutions, we believe our impact goes beyond what clients see—we're equally committed to what happens behind the scenes. From team development to ethical practices and environmental care, our values guide every decision.

- **People First** – We invest in safety, fair wages, and growth of our team.
- **Community Focused** – We support local hiring, training, and outreach.
- **Greener Operations** – We promote cleaner energy use and reduce job site waste.
- **Integrity in Action** – We uphold fairness and transparency in everything we do.
- **Inclusive Culture** – Everyone deserves respect, opportunity, and representation.
- **Local Contribution** – We prioritize sourcing locally to support regional growth.



Sectors Served

Electrogen PowerSolutions delivers specialized power generation and electrical infrastructure services across the UAE and the wider Gulf region.



Data Centers

Reliable Power systems engineered to support mission-critical IT facilities, ensuring continuous operation, controlled load performance, and compliance with stringent uptime requirements.



Agriculture Works

We support agricultural operations with generator maintenance, load testing, and reliable power solutions—ensuring uninterrupted irrigation, processing, and storage in remote and demanding farming environments.



Construction Works

We support construction projects with temporary and permanent power solutions, generator installations, testing services, and site support to ensure reliable power availability throughout all phases of construction.



Maritime and Shipping

Ports and terminals rely on uninterrupted power for operations and safety systems. We support maritime facilities with generator testing and standby power verification to ensure critical equipment remains operational during utility outages.



Residential Buildings

We support residential developments with backup power solutions, generator installations, and testing services to ensure safety, comfort, and uninterrupted power for critical building systems.



Hotels

We support hospitality facilities with reliable power systems, generator testing, and maintenance services to ensure uninterrupted guest comfort, operational reliability, and compliance with safety standards.



Manufacturing

We support manufacturing facilities with reliable backup power solutions, generator testing, and electrical support services to ensure uninterrupted production, equipment protection, and operational continuity across critical processes.



Oil and Gas

We provide power support services for oil and gas facilities, including generator testing, maintenance, and electrical works designed to operate reliably in demanding environments with high safety and operational standards.



Health Care

We support healthcare facilities with generator installations, load bank testing, and standby system verification to ensure emergency power systems operate reliably during outages. Our testing confirms generator performance, load acceptance, and transition readiness, helping facilities meet life-safety and regulatory requirements.



Utilities & Infrastructure

We support utilities and infrastructure projects with generator installations, load testing, and power system validation to ensure continuity of essential public services. Our work focuses on standby readiness, system reliability, and operational compliance for critical infrastructure assets.

Power is critical everywhere — and we go wherever reliability matters.



Core Services- Generator Installations

We provide engineered generator installation solutions for standby, prime, and industrial power applications — ranging from small-capacity units to large-scale and multi-MW installations.

Our scope covers the execution and on-site integration of generator systems, including civil coordination, equipment handling, mechanical and electrical interfacing, and overall system readiness. Works are executed in alignment with project specifications, applicable standards, and site conditions, with experience across both new installations and retrofit works within live or operational facilities.

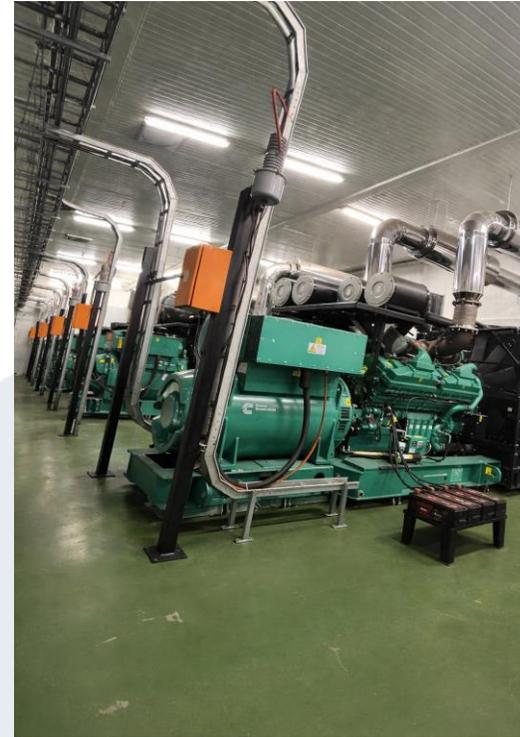
In addition to new installations, we undertake upgrade and enhancement works to improve the performance and resilience of existing generator systems.

Typical Scope of Works

Our generator installation scope typically includes, as applicable:

- **Civil & Builder's Works Coordination:** Generator foundations, plinths, trenches, and excavation works related to the installation scope
- **Generator Handling & Positioning:** Offloading, placement, alignment, and securing of generator sets
- **Mechanical Works:** Exhaust systems, air intake and discharge ducting/louvers, insulation, and cladding
- **Sound Suppression** : Installation works related to sound suppression using sound attenuators, mufflers and acoustic lining works.
- **Fuel Systems:** Fuel transfer systems, piping, and associated mechanical accessories
- **Earthing & Bonding:** Generator and system grounding in accordance with project and regulatory requirements
- **Electrical Works:** LV panels, switchgear, auto transfer switches (ATS), bypass panels, and electrical interconnections
- **Cabling Works:** Cable supply, laying, termination, labeling, and continuity verification

All works are executed with a strong emphasis on coordination, safety, and system integrity, ensuring the generator installation is properly integrated and operationally ready.



Core Services- Load Bank Testing

Electrogen PowerSolutions provides professional load bank testing services to verify the performance, reliability, and operational readiness of generator systems. Our testing confirms that generators can safely deliver rated output under load and operate correctly during real-world conditions. Load testing is used to identify potential issues related to engine performance, cooling, exhaust, fuel systems, and electrical stability before they result in operational failures or downtime.

Testing is supported by clear, factual reporting that records operating parameters, load behavior, and observations during the test period, supporting compliance verification and informed technical decisions. We offer flexibility in how testing is delivered. Clients may engage us for a fully managed testing service, where we handle test planning, mobilization, logistics, cable supply and laying, connections, supervision, and execution.

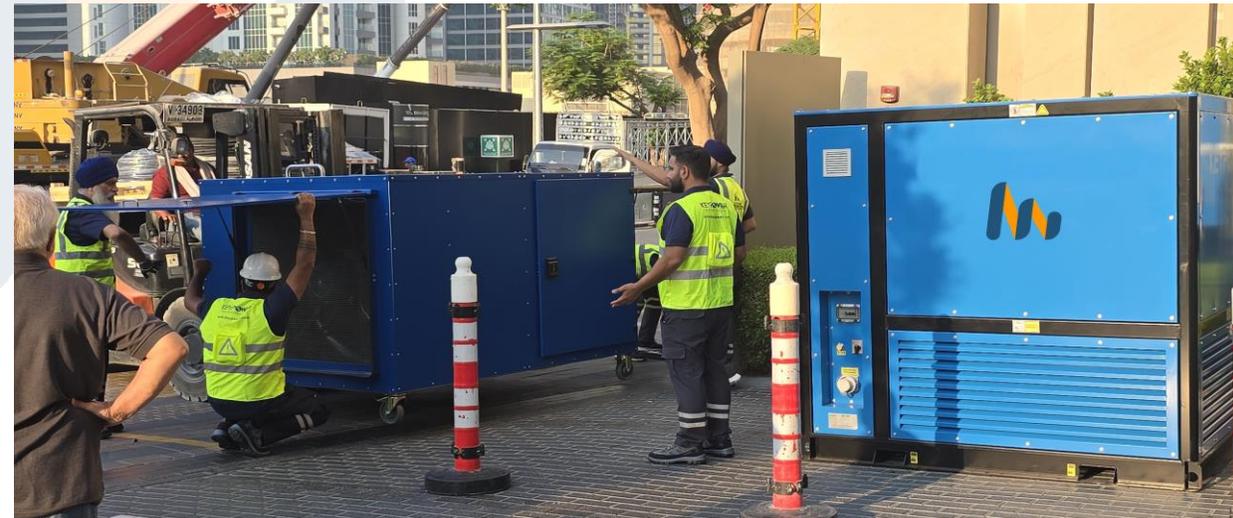
Alternatively, clients may opt to utilize load bank equipment provision with technical support, depending on project requirements and internal capabilities. Our current load bank testing capacity ranges from 250 kW to 2,800 kW. Higher capacity requirements can be reviewed upon request.

Scope of Services

- Our load bank testing services may include, as applicable:
- Verification of generator kW and kVA output under load
- Monitoring of voltage, frequency, load acceptance, and stability
- Assessment of cooling, exhaust, and ventilation performance under load
- Observation of alarms, shutdowns, and control system responses
- Documentation of test results and operational behavior

Reporting & Deliverables

All testing activities are supported by clear, structured reporting. Test reports provide a factual record of operating parameters, applied load profiles, and observations recorded during the test period.



Core Services- Generator Maintenance/AMC

Electrogen PowerSolutions delivers structured Annual Maintenance Contract (AMC) services for diesel and hybrid generator systems, focused on reliability, compliance, and long-term operational performance.

Our AMC approach is built around planned preventive maintenance, condition-based assessment, and disciplined execution, ensuring generators remain ready to operate under real load conditions when required. Services are delivered by experienced field technicians with hands-on exposure to standby, prime, and mission-critical power installations.

AMC programs are available in quarterly, monthly, and multi-year formats, and are tailored based on generator capacity, operating profile, site environment, and client operational requirements.

Typical AMC Scope (as applicable):

- Scheduled preventive maintenance visits and inspections
- Engine, alternator, and control panel condition checks
- Fuel, cooling, lubrication, exhaust, and electrical system assessments
- Verification of alarms, protections, shutdowns, and ATS operation
- Identification of developing issues and performance risks
- Replacement of routine consumables as per agreed maintenance scope
- Priority response for corrective support (where contractually included)
- Clear service records and condition reporting following each visit

We support a wide range of generator makes and configurations commonly deployed across the UAE, including standalone units and generators integrated with ATS, switchgear, and site power systems.

All AMC services are executed with a strong emphasis on **safety, documentation, consistency, and accountability**, providing clients with confidence that their generator assets are properly maintained, monitored, and supported throughout the contract period.

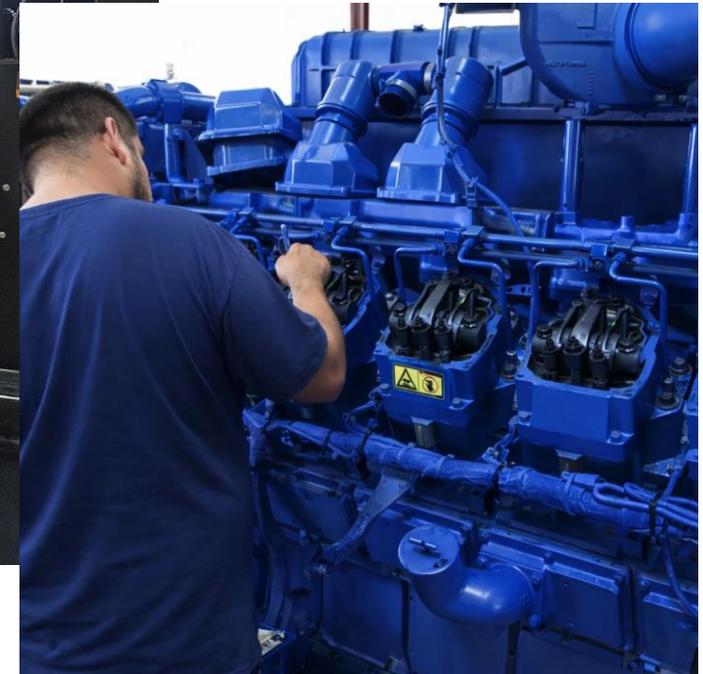
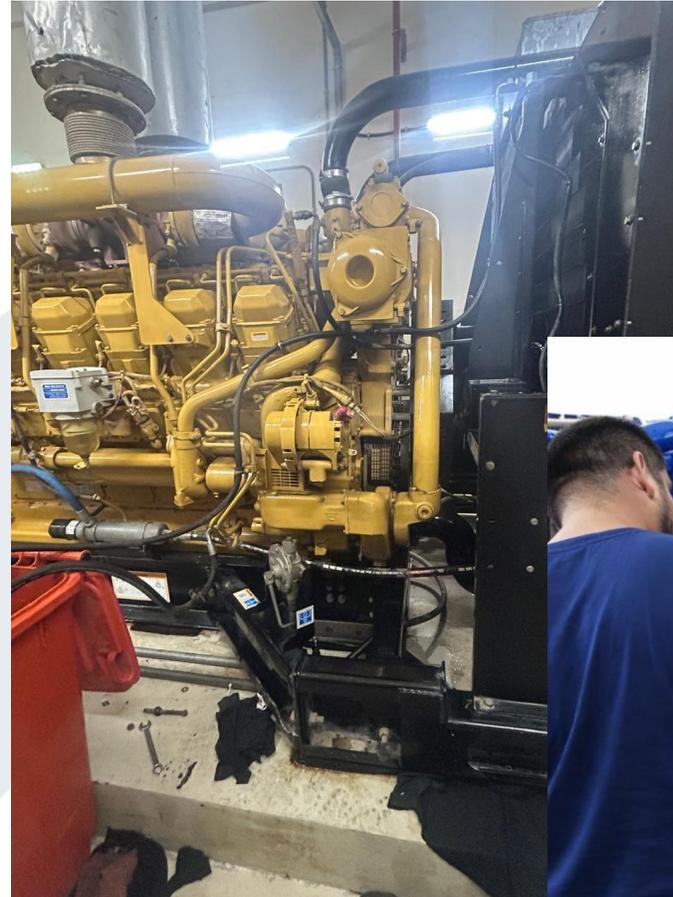


Core Services- Breakdown Support/Repairs/Overhauling

We deliver end-to-end diesel generator repair and overhauling services across the UAE, focused on restoring reliability, efficiency, and service life. From urgent breakdown response to planned major overhauls, our technicians diagnose and fix faults at the source—mechanical and electrical.

- **Emergency Breakdown Support:** Rapid fault finding and on-site repairs to get your generator back online with minimal downtime.
- **Engine Repairs & Overhauls:** Major engine work, rebuilds, and component replacement to restore performance and extend lifespan.
- **Fuel System Services:** Injector cleaning/replacement and fuel pump inspection to ensure correct fuel delivery and efficient operation.
- **Cooling System Repairs:** Radiator flushing, hose replacement, and water pump servicing to prevent overheating.
- **Alternator & AVR Repairs:** Repair or replacement of windings, bearings, and voltage regulators to ensure stable, reliable power output.

Designed for mission-critical standby and prime power systems—done right, when it matters.



Core Services- Consultancy and Design Support

Electrogen Power Solutions provides independent power systems consultancy to support informed, practical, and project compliant decision-making across generator and standby power projects.

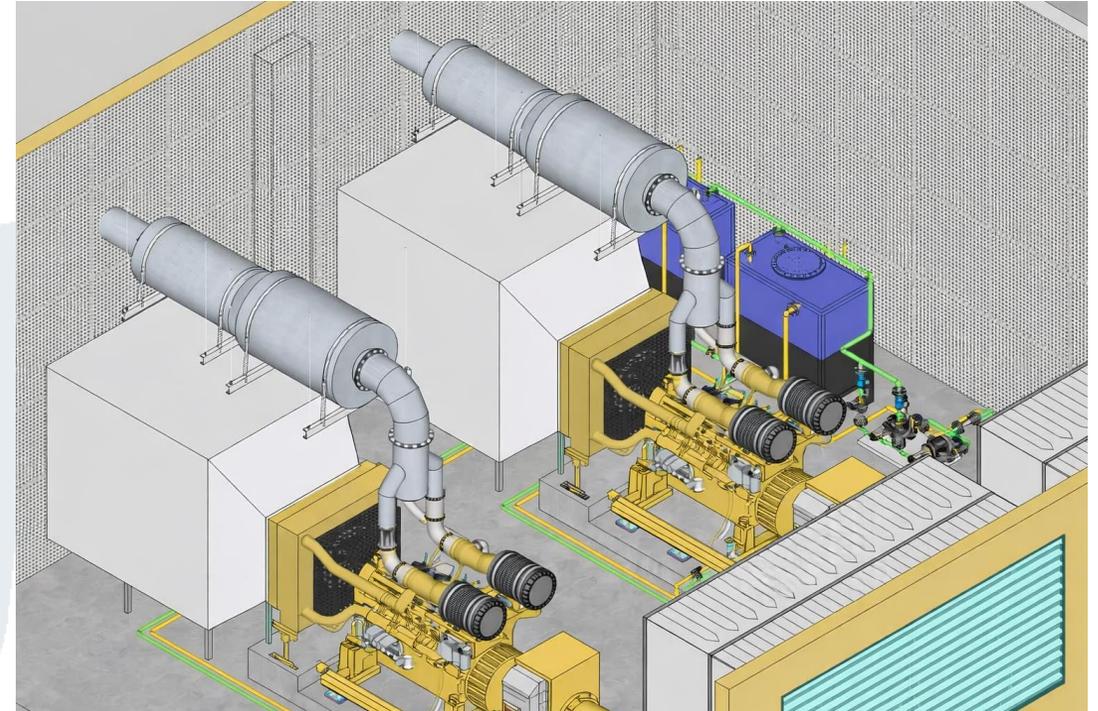
We assist clients from early planning through execution by evaluating technical requirements, operational constraints, and long-term performance considerations to develop reliable, fit-for-purpose power solutions.

Our consultancy services are structured to simplify complex power decisions and reduce risk across design, procurement, and implementation stages.

Our consultancy services may include, as applicable:

- Power requirement assessment and load analysis
- Assessment of noise criteria and acoustic requirements
- Generator sizing and configuration recommendations
- Review of standby, prime, and hybrid power strategies
- Technical comparison of ownership, temporary, and long-term solutions
- System layout planning and space coordination
- Review and support of electrical and mechanical drawings
- Preparation and review of technical documentation and specifications
- Integration considerations for ATS, switchgear, control systems, and fuel systems
- Concept layouts and generator room planning
- Technical classifications for consultants, contractors and suppliers
- Documentation to support approvals, procurement and execution

Our approach is *practical, unbiased, and focused on delivering clarity*—ensuring clients understand available options, system implications, and operational responsibilities before committing to implementation.



Technical Capabilities



Fuel System Integration Works

Integration of generator fuel systems including fuel fill alarm systems, level monitoring, and interface with control panels.



ATS / AMF Panel Integration

Integration and modification of Automatic Transfer Switch (ATS) and AMF panels to suit site-specific operational and control requirements.



Load Management & Load Assessment

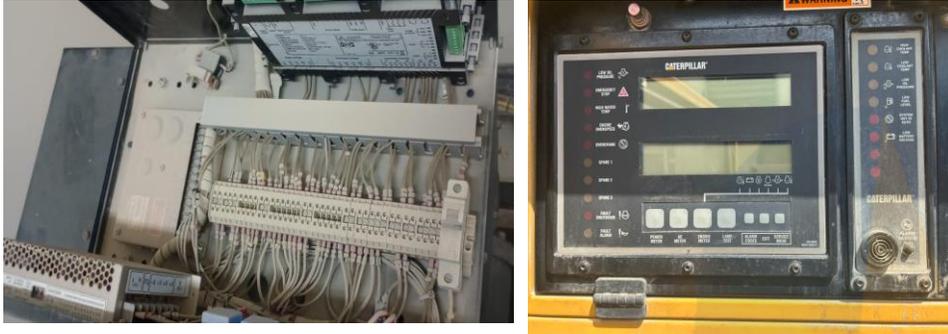
Measurement and analysis of facility electrical consumption using power analyzers, including demand, peak load, and load distribution reporting.



Generator Synchronization

Technical support for synchronized generator systems, including interface checks, control logic awareness, and operational verification.

Technical Capabilities



Generator Controller Replacements & Conversions

Replacement, conversion and configuration of generator controllers (e.g. EMCP, DSE, or equivalent), including wiring, programming and functional checks.



LV Distribution Board (DB) Modification & Customization

Customization and modification of low-voltage DBs to support project-specific integration, testing, or commissioning requirements.



Pre-Commissioning & System Acceptance Testing (SAT) Support

Technical checks and functional verification prior to formal commissioning or SAT, ensuring system readiness and issue identification.



Alarm, Fault & Event Log Interpretation

Interpretation of generator, ATS, and UPS alarms and event logs to identify operational issues and system limitations.

Technical Capabilities



Battery System Works

Replacement of generator battery systems including battery charger, batteries, and wiring.



UPS System Maintenance Capability

Maintenance support for LV UPS systems, including generator-UPS interface awareness.



Equipment Reinstatement & Protective Finishing

Surface preparation, repainting, and refinishing of generator-related equipment and enclosures as part of reinstatement following installation, modification, or repair works, including corrosion protection where required.

Our Methodology

We believe reliable outcomes start with clarity and asking the right questions. Before any work begins, we focus on understanding the full system, site conditions, and objectives to ensure things are done right the first time.

Clients do not always have complete visibility of their technical requirements. In such cases, we take an advisory role — educating and informing our clients so they understand their systems, available options, and the implications of each decision. This allows them the freedom to make informed choices about what to implement and from whom to engage.

We work closely with clients to understand operational priorities, constraints, and budget targets. Where targets are realistic, we work to achieve them. Where limitations exist, we clearly explain the risks, trade-offs, and alternatives so decisions are made with full awareness. Our execution follows a disciplined **review, verify, and execute** approach. We validate site conditions, interfaces, and readiness before proceeding, reducing assumptions, rework, and risk during execution.

Documentation and reporting are integral to how we operate. From site assessments through execution and testing, we provide clear, transparent records to ensure accountability, traceability, and confidence in what has been delivered.

Our methodology is built on clarity, discipline, and informed decision-making — ensuring every solution is understood, justified, and executed with purpose.



Review >>> Verify >>> Execute >>> Support



Compliance and Certifications

Our work is carried out in accordance with applicable electrical standards, project specifications, and regulatory requirements relevant to the scope being executed. We adopt a compliance-aware approach to ensure that all works are planned and delivered in alignment with recognized industry practices and site-specific requirements.

Our internal processes are guided by ISO-aligned quality management principles to ensure consistency, accountability, and control at every stage of the project lifecycle. These processes support structured planning, controlled execution, verification, and thorough documentation across all activities.

Compliance, quality, and transparency are treated as integral parts of our methodology — not as afterthoughts — ensuring that all works are delivered responsibly, traceably, and in accordance with defined requirements.



Why Choose Us

1. Engineering-Led Approach

Our work is driven by engineering understanding rather than assumptions. We focus on system behavior, interfaces, and constraints to deliver solutions that are practical, reliable, and fit for purpose.

2. Experienced, Hands-On Team

Our team brings practical experience across generator systems, power distribution, controls, and testing environments, enabling early risk identification and efficient execution.

3. Structured and Disciplined Execution

We operate using a clear methodology built around review, verification, and controlled execution to ensure consistency, reduce uncertainty, and manage risk across all projects.

4. Client-Perspective Decision Making

We assess solutions from the client's point of view, applying the same scrutiny we would if making the decision ourselves, ensuring recommendations are technically sound and commercially sensible.

5. Transparent Documentation and Reporting

We provide clear, structured documentation throughout assessments, execution, and testing, ensuring traceability, accountability, and confidence in what has been delivered.

6. Informed Decision Support

We clearly explain constraints, trade-offs, and alternatives so clients can make informed decisions aligned with their operational priorities.

7. Accountability and Ownership

We take responsibility for the scope we execute, addressing issues directly and following through on commitments without ambiguity.

8. Long-Term Support Mindset

We view each project as part of an ongoing operational lifecycle, supporting performance and evolving requirements beyond initial delivery.



Projects Experience

Our project experience is founded on the collective expertise of our engineering and technical team, whose backgrounds span generator systems, power distribution, testing, and critical power environments across a wide range of operating conditions. While Electrogen is a growing organization, the experience behind our delivery is well established.

Our personnel bring hands-on experience gained through direct involvement in generator installations, load testing activities, maintenance programmes, system upgrades, and fault diagnosis works across commercial, industrial, and mission-critical facilities. This experience directly informs how we assess requirements, plan work, and execute projects on live systems.

The methodologies, documentation practices, and execution standards applied by Electrogen are shaped by lessons learned across prior projects undertaken by our team members. This allows each engagement to be approached with technical judgement, operational awareness, and a clear understanding of real-world site challenges.

Our team has supported and delivered works for a broad spectrum of clients — ranging from smaller private operators to large healthcare facilities, production environments, and major real estate developments within the region. As a result, projects are not treated as first-time exercises, but are executed using established processes, experienced personnel, and proven technical practices.



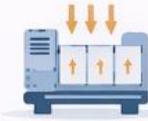
100+
Generator
Installations
& Integrations



100+
Generator
Repair &
Overhaul Activities



200+
AMC &
Lifecycle Support
& Interventions



50+
High-Capacity
Load Bank Tests
(≈1000 kW)



200+
Technical Site
Reviews & Condition
Assessments



Let's Discuss Your Power Requirements

For technical discussions, site reviews, and project enquiries, our engineering team is available to support you.

ENGINEERING-LED. STRUCTURED. ACCOUNTABLE.



Generator Repairs



Load Bank Testing



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