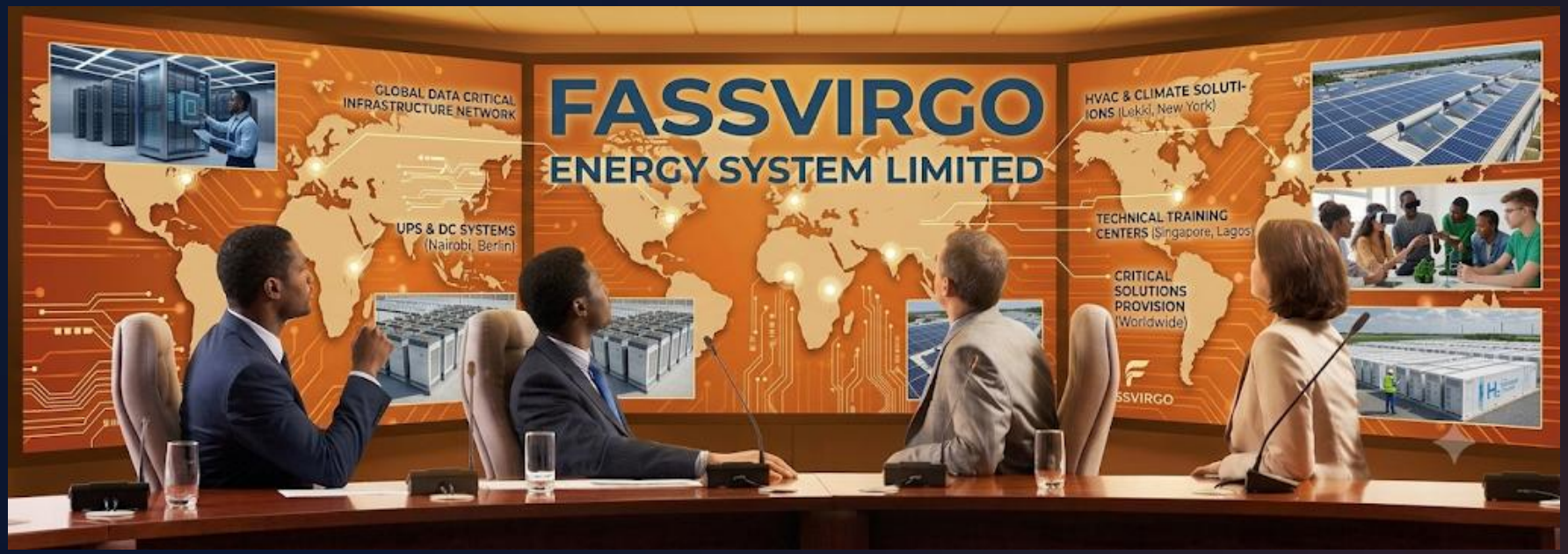
FASSVIRGO Energy System Limited

COMPANY PROFILE

Critical Infrastructure & Energy Solutions

Protecting business-critical environments through high-availability power architectures, robust UPS & DC systems, AVR, Distribution Panel, precision thermal cooling, and professional technical capacity building.

ABOUT US


GLOBAL DATA CRITICAL INFRASTRUCTURE NETWORK
FASSVIRGO
ENERGY SYSTEM LIMITED
HVAC & CLIMATE SOLUTI-IONS (Lekki, New York)
UPS & DC SYSTEMS (Nairobi, Berlin)
TECHNICAL TRAINING CENTERS (Singapore, Lagos)
CRITICAL SOLUTIONS PROVISION (Worldwide)

FASSVIRGO ENERGY SYSTEM is an independent and recognized leader in providing Innovative, mission-Critical Data Canter and Renewable Energy Infrastructure Solutions to a global clientele.

Our Specialized Critical Solutions & Training include:

CRITICAL DATA CENTER INFRASTRUCTURE (N+1 redundant solutions)

ENERGY SYSTEM & TRAINING SOLUTIONS (Global Service)

MISSION & STRATEGIC VISION

Our Strategic Goal

The primary goal of **Fassvirgo Energy System Limited** is to completely eliminate operational downtime for our enterprise clients by delivering 99.999% high-availability critical IT pathways, robust **UPS & DC power systems**, and precision HVAC cooling networks. We approach engineering as an exact science.

The company aims to establish the ultimate regional benchmark for server-room uptime and structural resilience through rigorous N+1 redundant engineering designs. Additionally, Fassvirgo Energy System seek to bridge technical execution gaps through hands-on capacity building, empowering local engineering teams with advanced diagnostics and rapid failover skills.

Our Mission

We shield enterprise networks from expensive service disruptions by deploying high-grade physical infrastructure, intelligent power architectures, and intensive technical capacity workshops designed to eliminate single-point failures by default.

DATA INFRASTRUCTURE

High-Availability Datacenters

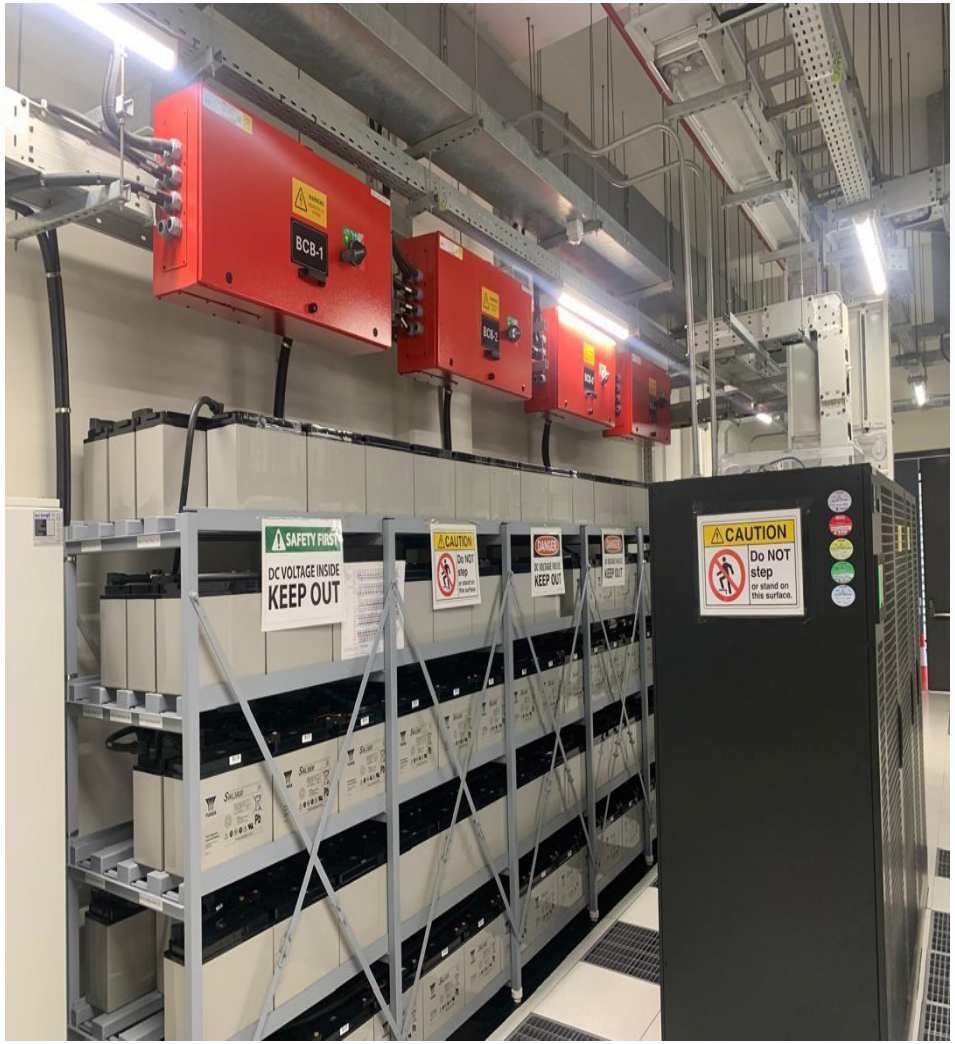
We engineer and deliver resilient server environment pathways that satisfy Tier III and Tier IV global specifications. Our approach guarantees redundant physical setups to protect operations.

Our specialized designs cover structural modular server environments, responsive environmental monitoring sensors, high-grade structured cabling architectures, and enterprise edge containment facilities.

UPS SYSTEMS

Continuous Power Architecture

- **Industrial UPS Systems:** High-efficiency double conversion units to absorb and clean grid power surges.
- **Lithium & VRLA Battery Arrays:** Active thermal tracking systems designed to preserve runtime integrity.
- **Redundant Pathing:** Intelligent power paths structured for zero transfer lag across critical assets.



DC POWER SYSTEMS

Continuous Power Architecture

- **DC Power Systems:** Heavy-duty rectifiers, battery cabinets, and DC distribution platforms for telecom loads.
- **Lithium & VRLA Battery Arrays:** Active thermal tracking systems designed to preserve runtime integrity.
- **Redundant Pathing:** Intelligent power paths structured for zero transfer lag across critical assets.

CUTTING EDGE SOLAR & INVERTER SOLUTIONS

Continuous Power Architecture

- **Commercial & Industrial Rooftop Solar Installation:** This shows a large-scale commercial rooftop setup with organized arrays alongside HVAC/precision cooling infrastructure—perfect for representing corporate data center energy backup solutions.
- **Solar Hybrid & Inverter Battery Diagram:** A technical diagram showing how a solar panel connects to a charge controller, DC/AC hybrid inverter, battery bank, and utility meter. This fits perfectly with Fassvirgo's specialization in UPS & DC Power Systems.
- **Integrated Power System Design:** A conceptual graphic depicting a building utilizing integrated rooftop solar arrays backed by local battery storage units and grid failover routing.

MV & LV DISTRIBUTION PANEL

Continuous Power Architecture

- **Medium Voltage (MV) Distribution Panels:** Operate from 1 kV up to 36 kV. They are primarily used in power plants, large industrial facilities, and primary distribution
- **Low Voltage (LV) Distribution Panels:** Operate up to 1,000 V (e.g., 415 V / 240 V). These are the most common panels found in commercial buildings, factories, and residences

PRECISION HVAC

Close Control Thermal Systems

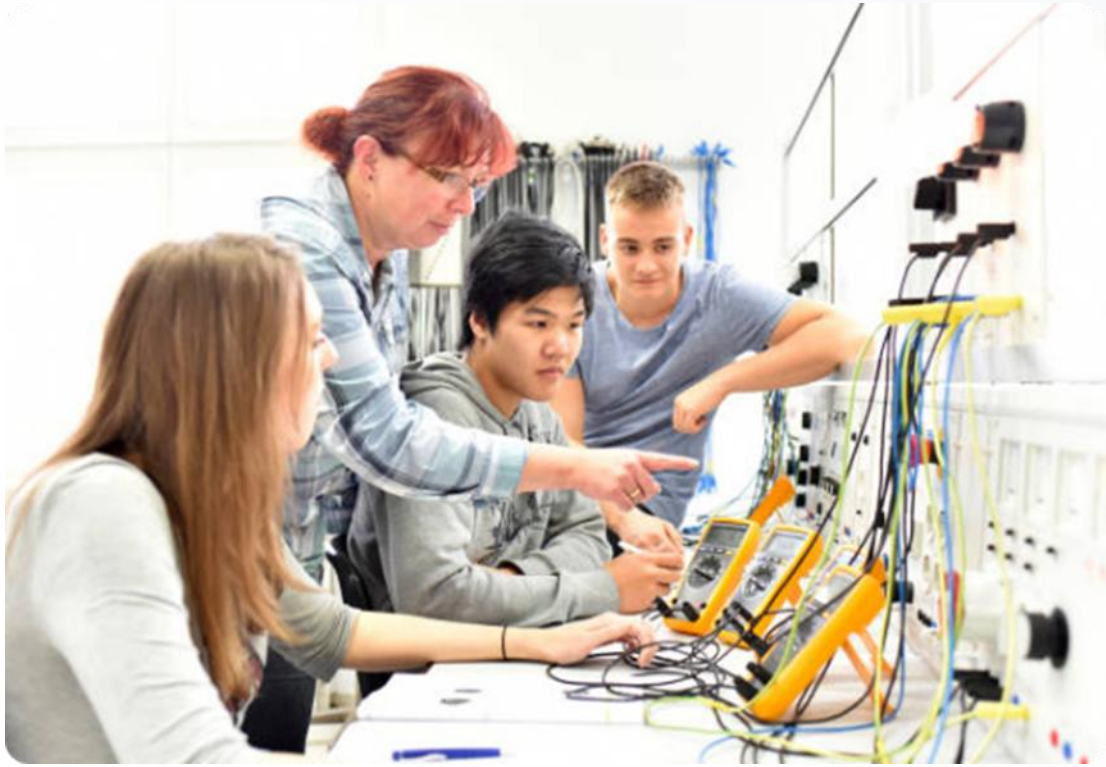
Datacenters and server components require strict environmental management. Standard comfort air conditioning systems lack the humidity adjustments and airflow speeds necessary.

We install heavy-duty precision air handling equipment, cooling tower networks, and targeted under-floor distribution layouts to preserve ideal working ranges for computer hardware assets.

CAPACITY BUILDING & TRAINING

Technical Training Division

- **Critical Operations Training:** Empowering on-site technicians to successfully handle daily data center operations.
- **Power System Maintenance:** In-depth safety guidelines for UPS diagnostics and battery maintenance.
- **Thermal Control Workshops:** Diagnostics, preventative upkeep, and standard adjustments for cooling networks.
- **Emergency Readiness:** Rapid failover procedure training to shorten response time.

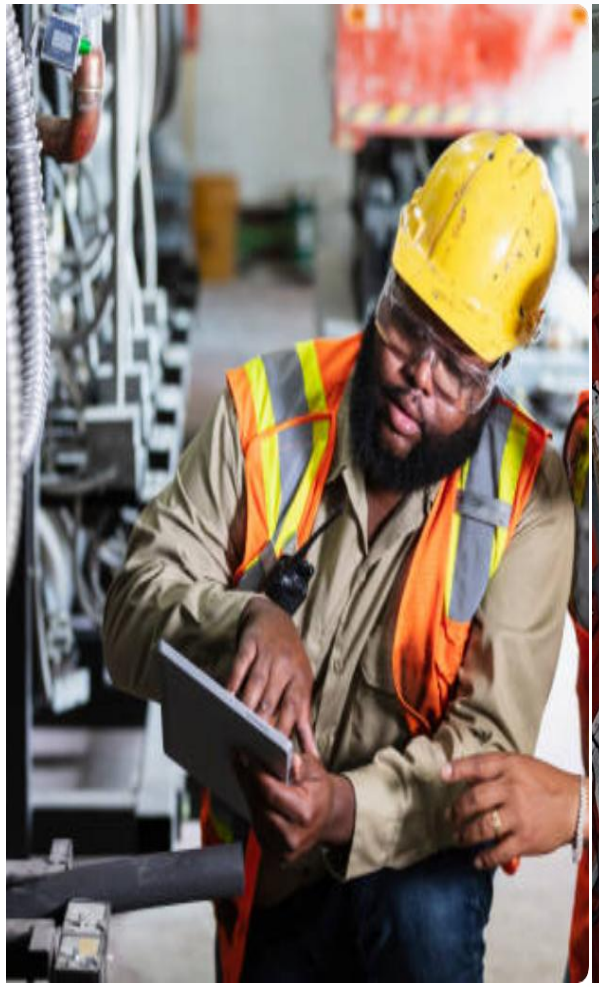


CRITICAL SOLUTIONS

Consulting & Site Assessment

We conduct comprehensive site evaluations, thermal analysis mapping, and power loading assessments. This data helps design customized systems tailored to specific local limitations.

Our predictive designs address current load specifications while allowing space for future scale, ensuring long-term returns on physical infrastructure investments.



STRATEGIC SYSTEM METRICS

99.999%

Target Infrastructure Availability

Measuring True Reliability

- **Zero Latency Transition:** Safeguarding critical networks during voltage adjustments.
- **Under 4 Hours MTTR:** Fast Mean Time To Repair backed by critical spare parts inventory.
- **24/7/365 active dispatcher:** Real-time alerts for prompt field deployments.
- **N+1 Minimum Redundancy:** Designing backup channels into power and cooling paths.

SERVICE LEVEL BENCHMARKS

Performance Parameter	Standard Local Handyman	Fassvirgo Energy Systems
System Design Redundancy	Single point of failure common	Mandatory N+1 or 2N integration
Response SLA Guarantee	Next-day / Best-effort availability	Under 4 Hours SLA response window
Thermal Management Quality	Comfort Air Conditioners	Dedicated Close-Control Cooling Systems
Diagnostic Capabilities	Reactive visual checks	Advanced thermal mapping & system modeling

Let's Secure Your Infrastructure

Reach out for tailored assessments, designs, and support programs.

Corporate Office

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