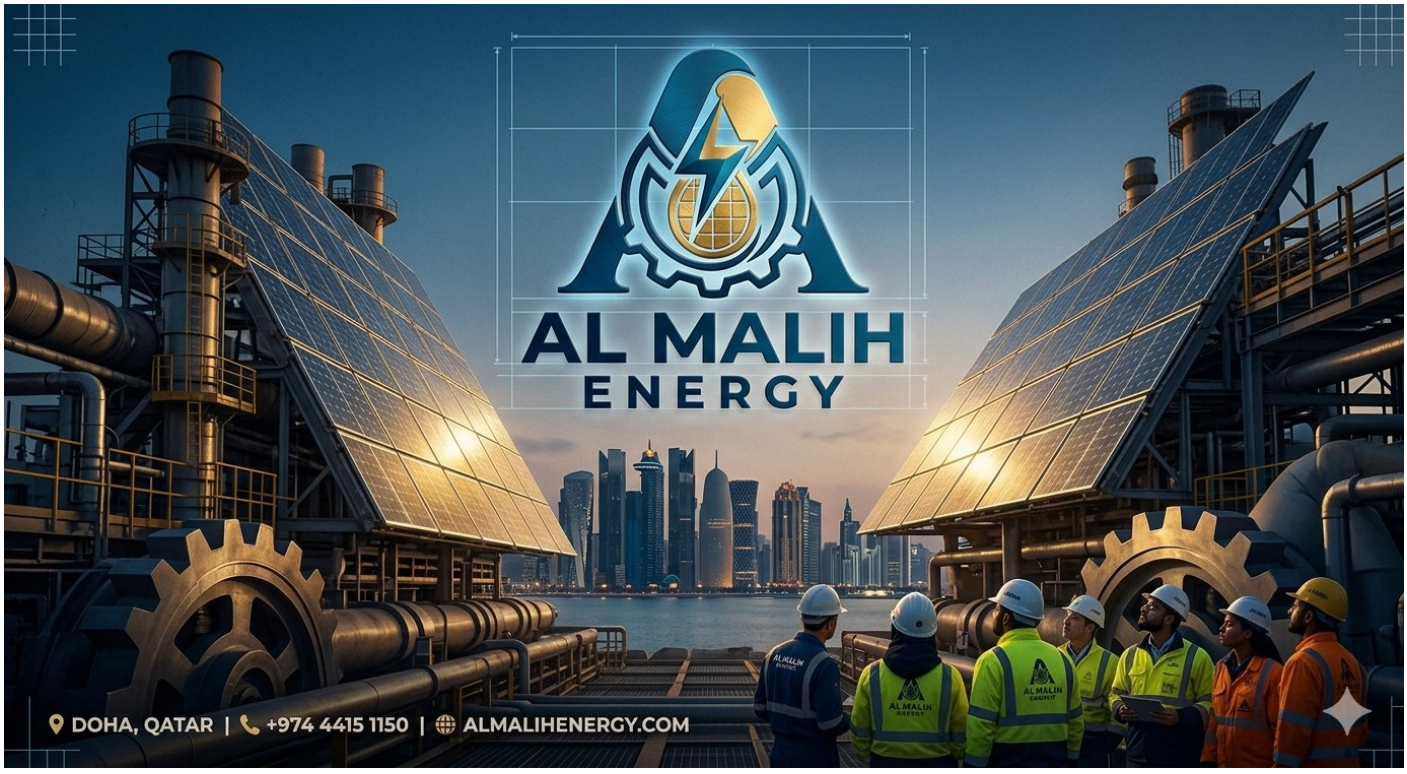
AL MALIH ENERGY
المليح للطاقة

CORPORATE COMPANY PROFILE



Industrial Infrastructure & Integrated Power Systems

Sustainable Renewable Energy Solutions

Headquarters: Doha, Qatar
Strategic Hub inside the Middle East Green-Energy Corridor
Web: almalihenergy.com | Email: info@almalihenergy.com

AL MALIH ENERGY
المليح للطاقة

1. Executive Summary

Al Malih Energy (المليح للطاقة) is a leading provider of high-voltage industrial infrastructure, integrated power systems, and world-class sustainable renewable energy solutions. Headquartered in the primary economic center of Doha, Qatar, the company is strategically positioned within the Middle East's rapidly evolving green-energy corridor.

We specialize in bridging the gap between traditional heavy industrial needs and modern green-power capabilities. By delivering state-of-the-art on-grid and off-grid configurations alongside critical high-voltage substations, Al Malih Energy guarantees uninterrupted, eco-friendly operational continuity for high-demand sectors, ranging from manufacturing facilities and grand architectural estates to complex marine and remote exploration systems.

2. Corporate Vision & Mission

Our Vision

To be the premier engineering force driving the Middle East’s industrial energy transition, transforming how heavy enterprises, commercial landmarks, and communities produce, distribute, and manage clean power.

Our Mission

To build exceptionally reliable high-voltage networks and advanced solar-wind hybrid systems that eliminate carbon footprints while maximizing financial efficiency. We achieve this by deploying market-leading technical expertise and forging uncompromised alliances with global enterprise technology partners.

AL MALIH ENERGY
المليح للطاقة

Corporate Core Values

Innovation: Continuously deploying cutting-edge technical expertise and engineering pioneering green-power solutions tailored for demanding environments.	**Sustainability:** Unwavering dedication to eliminating carbon footprints and delivering eco-friendly configurations that protect local and regional habitats.
Integrity & Reliability: Guaranteeing continuous operational continuity for our clients and honoring uncompromised technical alliances with our global partners.	**Safety First:** Maintaining an uncompromising baseline of protection for our engineering force, contractors, community assets, and high-voltage networks.

3. Core Engineering & Technical Capabilities

3.1 High-Voltage (HV) Industrial Infrastructure

We provide complete engineering, procurement, and construction (EPC) frameworks for large-scale industrial facility electrification:

• **Industrial Substations & Transformers:** Custom configuration and installation of step-up and step-down power complexes capable of managing heavy industrial manufacturing loads safely.	
• **Advanced Switchgear Systems:** High-voltage gas and air-insulated switchgear units setup to prevent circuit errors, provide heavy fault protection, and minimize operational downtime.	

• **Grid Synchronization:** Intelligent automated relay architectures that dynamically harmonize captive manufacturing operations with regional utility grids.	

3.2 Renewable Energy Generation

Al Malih Energy designs and implements weather-resilient renewable generation systems optimized for high-temperature, challenging desert and marine environments:

- **Utility-Scale Solar Farms:** Deploying high-efficiency solar panel configurations built for heavy solar irradiance and peak performance under high thermal environments.
- **Residential & Industrial Wind Loops:** Scalable, low-maintenance wind power generation units tailored to create synergistic hybrid configurations alongside multi-megawatt solar installations.

3.3 Integrated Inverter Architectures

Our control loops utilize advanced electronic inversion systems to guarantee constant power flow irrespective of grid stability:

- **On-Grid Inverter Systems:** Engineered to optimize self-consumption, feed extra clean energy into local electrical networks, and substantially lower demand charges during peak industrial runtime.
- **Off-Grid Inverter Systems:** Complete stand-alone power units integrated with cutting-edge lithium storage management to deliver clean, continuous, pure sine-wave energy 24/7 without local grid connection.
- **Hybrid Inverter Systems:** Intelligent multi-directional power routing units that seamlessly integrate photovoltaic arrays, battery energy storage complexes, and the regional utility grid simultaneously. These configurations maximize financial efficiency through automated peak shaving, optimize self-consumption, and provide instantaneous, UPS-grade backup power to critical industrial loops during sudden utility grid disruptions.

4. Target Sectors & Application Fields

Our technological adaptability enables us to seamlessly tailor high-voltage and renewable energy configurations for an expansive range of highly specialized fields:

• **Heavy Industry & Production:** Manufacturing buildings, heavy industrial factories, automated production lines, multi-tenant industrial parks, and localized distribution hubs.	
• **Residential & Agriculture:** Palaces, grand private estates, autonomous high-capacity agricultural farms, off-grid irrigation pump grids, and crop processing facilities.	

• **Marine & Remote Logistics:** Luxury yachts, marine commercial boats, custom sea-grade off-grid power units, and rapid-deployment remote field offices for construction and mining.	
• **Commercial & Hospitality:** High-rise commercial buildings, luxury hotels, beachfront resorts, public leisure parks, smart eco-resorts, and automated street/highway grid lighting.	

5. Strategic Enterprise Partners

To uphold rigorous international quality standards, Al Malih Energy coordinates directly with world-class engineering conglomerates and Tier-1 hardware developers:

Enterprise Partner	Engineering Specialization & Integration
Siemens Energy	High-voltage industrial substations, heavy-duty switchgear distribution, and advanced utility-scale grid synchronization systems.
Huawei	Next-generation smart string on-grid inverters, smart data optimizers, and cloud-based digital energy management software.
Jinko Solar	Ultra-high-efficiency photovoltaic solar panels optimized for extreme thermal durability and prolonged performance lifetime.
Victron Energy	World-class off-grid inverter-chargers, advanced marine power storage, robust lithium battery interfaces, and remote monitoring.

6. Health, Safety, and Environment (HSE) Policy

At Al Malih Energy, we maintain a strict "Zero Harm" framework as an absolute operational mandate across all active Engineering, Procurement, and Construction (EPC) phases. We are firmly committed to managing occupational risks, minimizing environmental footprints across delicate desert and marine ecosystems, and executing works in full compliance with international safety protocols and localized regulatory frameworks. Regular technical safety assessments and continuous workforce training ensure a protected, risk-managed environment on every high-voltage deployment.

7. Quality Assurance & Quality Control (QA/QC)

To back our claim of delivering world-class technical continuity, Al Malih Energy implements rigorous QA/QC management procedures aligned with international parameters. Our operational standards strictly integrate with the guidelines of ISO 9001 (Quality Management Systems), ISO 14001 (Environmental Management), and ISO 45001 (Occupational Health & Safety). Every custom transformer complex, switchgear unit, and solar infrastructure layout undergoes exhaustive pre-commissioning stress testing to guarantee peak resilience under extreme Middle Eastern thermal environments.

8. Strategic Alignment: Qatar National Vision 2030

Al Malih Energy proudly aligns its strategic roadmap directly with the Environmental and Economic Development Pillars of Qatar National Vision 2030. By providing specialized, localized green infrastructure, setting up high-capacity industrial renewable configurations, and mitigating peak-load demand on municipal grids, we actively drive Qatar’s master plan toward structural economic diversification, localized technical knowledge development, and long-term carbon reduction.

9. In-Country Value (ICV) Commitment

We are deeply rooted within Qatar's commercial and heavy infrastructure landscape. Al Malih Energy is fundamentally committed to expanding In-Country Value (ICV) across all operations. We execute this by actively prioritizing national supply chains, cultivating sophisticated engineering competencies within the local workforce, and deploying integrated regional partnerships to maximize the domestic economic impact of the green energy transition.

10. Corporate Contact & Strategic Operations

Al Malih Energy operates its core design and technical command operations directly out of Qatar's vital capital center, fully equipped to handle regional and international industrial projects.

Al Malih Energy المليح للطاقة **Regional Headquarters:** Doha, Qatar **Corporate Phone:** +974 4415 1150 **Official Email:** info@almalihenergy.com **Web Domain:** almalihenergy.com	AL MALIH ENERGY المليح للطاقة