



ECOEDGE™

SUSTAINABLE ENERGY SOLUTIONS

...Powering the UAE's Green Future



Introducing **ECOEDGE**TM

SMART POWER. CLEANER SITES. REAL IMPACT

EcoEdgeTM combines the agility of rental with a commitment to sustainable impact.

Our Vision

To lead the region's shift to sustainable power without compromising performance, flexibility, or availability.

What is EcoEdgeTM

EcoEdgeTM is a strategic sustainability initiative launched by Glow Power to introduce a new generation of eco-friendly rental assets that reduce emissions, fuel consumption, and environmental impact.

Through smart integration of technologies like battery storage, solar lighting, and hybrid power systems, EcoEdgeTM aims to support the UAE's national sustainability goals and align with the government's vision for a cleaner, greener future.




This initiative reflects Glow Power's commitment to responsible energy practices and driving meaningful change across the temporary power and equipment rental industry.

What EcoEdgeTM Delivers




Eco-Rental Fleet

-  Solar tower lights
-  Biofuel-ready generators
-  Battery energy storage
-  Off-grid cabins

Smart Systems

-  Fleet monitoring
-  AI-powered logistics
-  Hybrid vehicle transition

Real Impact

-  Up to 30% CO₂ reduction
-  Fuel savings from day one
-  Zero-noise sites

ECOEDGETM
BY GLOW POWER



Ready. Scalable. Low-Carbon.
Built for performance, Designed for the planet.

ECOEDGE™ ESG Alignment

RENT FOR PERFORMANCE. COMMIT TO RESPONSIBILITY

EcoEdge™ embodies our ESG alignment delivering lower emissions, safer site conditions, and operational accountability across our rental fleet, in full support of the UAE’s Net Zero 2050 vision and Green Agenda 2030



Environmental (E)
Minimizing ecological footprint through clean technologies




- Lower emissions across operations
- Reduced fossil fuel dependence
- Adoption of clean energy technologies
- Efficient fleet and energy use
- Cleaner transport initiatives
- Aligned with UAE Net Zero 2050 and Green Agenda 2030




Social (S)
Promoting safer, cleaner, and more inclusive job sites



- Safer working environments
- Quieter, lower-pollution sites
- Workforce training and knowledge sharing
- Support for client ESG compliance
- Community and environmental awareness
- Reinforcing UAE’s social sustainability goals



Governance (G)
Ensuring accountability, transparency, and future readiness



- Smart monitoring systems track fuel use and runtime
- Standard Operating Procedures (SOPs) for sustainable practices
- Preference for ISO-certified and ESG-compliant suppliers
- Documentation readiness for ESG reporting and audits
- Ethical fleet operations and asset lifecycle management
- Aligned with UAE Vision 2031 objectives for innovation, efficiency, and sustainable infrastructure

ESG isn't a trend
it's Glow Power's operating system for a cleaner, smarter rental future



OUR SUSTAINABLE RENTAL SOLUTIONS

Our sustainable rental solutions offer efficient, eco-conscious equipment and energy systems that help you reduce costs and carbon footprint.

Solar Tower Lights


Zero fuel, zero noise, zero emissions. Our solar tower lights provide reliable illumination for construction sites, events, and security applications.

Environmental & Economic Benefits / Unit

 Saves 7 tons CO₂/year

 Monthly 1000L

 Zero NOx emissions


 Noise reduced by 90%

Technical Specifications

 Light Output 4 x 100W LED


 Coverage 2,000 m²

 Runtime 76+ hours

 Solar 1.6 kWp


 Battery 10.8 kWh

Equipment Features

 **3+ Days Runtime**
Continuous operation even during cloudy weather

 **Silent Operation**
Less than 40dB - perfect for hotels and residential areas

 **Zero Fuel**
Significant savings vs diesel lights

 **7 Tons CO₂ Saved**
Per unit per year - verified carbon reduction

Ideal Applications

 **Open Arenas**

 **Festival Parking Areas**

 **Event Buildup working Lights**

 **Temporary Lighting solution**



Battery Energy Storage Systems

Cut fuel consumption by 40% and eliminate noise during critical hours. Our BESS solutions seamlessly integrate with existing generators.

Environmental & Economic Benefits

- 40% less CO₂ emissions
- 35% lower fuel costs
- Silent night-time operation
- 60% less maintenance

Equipment Features

- Silent Night Operations**
Perfect for urban construction sites and hotels
- 40% Fuel Reduction**
Significant cost savings from day one
- Smart Load Management**
AI-powered optimization for maximum efficiency

Technical Specifications

- Small sites 125 kVA Model - 100 kWh
- Large construction 250 kVA Model - 215 kWh

Ideal Applications

- Night Operation at venues**
- Long Run Festivals**
- Facility sites**
- Oil and Gas Sites**



Bio-Fuel Ready Generators

Our bio-fuel ready generators reduce carbon footprint by up to 90%. Clean power solutions that protect the environment without compromising performance.



Environmental & Economic Benefits

- Up to 90% less CO₂ emissions
- Fuel made from renewable sources
- 85% less particulate matter
- Significantly cleaner air quality

Technical Specifications

- Small 125 kVA Model - 100 kWh
- Medium 250 kVA Model - 215 kWh

Equipment Features

- Full Power Range**
From 20kva to 250kva
- No Modifications**
Runs on bio-fuel or regular diesel
- ESG Certified**
Meet sustainability requirements
- Same Performance**
Zero compromise on power output

Ideal Applications

- Major events**
- Hotels and venues**
- Construction Sites**
- Festivals**

Bio-Fuel vs Traditional Diesel

HVO (Hydrotreated Oil)	B100 Biodiesel	ULSD
-90%	-75%	-30%
CO ₂ emissions Made from waste oils	CO ₂ emissions From vegetable oils	Particulates Ultra-low sulfur

Hybrid Power Solutions

INTEGRATING GENERATORS AND BATTERY STORAGE FOR SMARTER, CLEANER ENERGY

Glow Power's Hybrid Power Solutions combine high-efficiency generators with advanced Battery Energy Storage Systems (BESS) to deliver low-emission, fuel-optimized, and reliable temporary power.

How It Works

- The BESS covers primary loads and silent operation periods
- The generator activates only when required, operating at optimal capacity
- Smart controllers ensure seamless load sharing, prioritizing fuel savings and emission reduction

Sustainability Impact

- Up to 40% reduction in CO2 emissions
- Zero noise operation during off-peak hours or night periods
- Fewer generation runtime hours result in lower fuel use and extended service life

Operational Advantages

- Manages high inrush loads (e.g., cranes, pumps, compressors)
- Enables downsizing of generator units to base load
- Delivers measurable cost savings in fuel and maintenance
- Enhances energy reliability for mission-critical sites

Use Applications

- Events & Festivals
- Data Centers & Telecom
- Healthcare & Emergency Response
- Mining & Industrial Operations

Hybrid power enables flexible, resilient, and sustainable energy delivery—on demand.







Green Box Smart Solar Cabin






100% off-grid solar powered solution for events, remote sites, and temporary facilities. Deploy anywhere, anytime.





Environmental Impact per Unit

-  100% renewable energy
-  Zero noise pollution
-  5 tons CO₂ saved/year
-  No fuel required







Technical Specifications

-  2-hour setup time
-  Silent operation
-  Climate controlled
-  16A & 32A outputs
-  WiFi & 4G ready

Equipment Features

-  **Solar Power**
5 kWp Expandable to 10 kWp
-  **Battery Storage**
15 kWh LiFePO4 technology

Ideal Applications

-  **Event control centers**
-  **VIP hospitality suites**
-  **Outdoor broadcast units**
-  **Artist backstage rooms**
-  **Temporary offices at events**
-  **Temporary staff rooms for events**



OUR SUSTAINABLE PRACTICES

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Remote Rental Fleet Monitoring

Advanced monitoring technology for maximum efficiency and sustainability

DSE890 Monitoring System

- Deep Sea DSE890 MKII
- Industry-standard monitoring platform

Client Access & Monitoring

- Real-time equipment monitoring
- Client portal access 24/7
- Track power consumption patterns
- Optimize energy usage
- Automated alerts & reports
- Export consumption data

Client Benefits

- 73% less equipment downtime
- 40% longer equipment life
- Real-time consumption insights
- Data-driven optimization
- Lower operational costs
- Better project planning

Equipment Features

- Reduced Waste**
Prevent equipment failures
- Optimized Usage**
Optimized Usage
- ESG Reporting**
Track carbon footprint



Smart Fleet Management



Our Sustainability Commitment:
Achieving net-zero emissions across all operations

Our operations are supported by the following smart logistics and fleet transition measures, currently in place across our network.



Smart Logistics

- GPS tracking on all vehicles
- AI optimizes delivery routes
- 10% reduction in mileage
- 5,000+ liters fuel saved annually
- 15% faster delivery times
- 14 tons CO₂ reduced per year



Electric / Hybrid Cars

- 35% electric/hybrid vehicles
- 3 charging stations installed
- Target: 80% by 2030
- 28% lower emissions yearly
- AED 40K saved in fuel costs

READY TO SAVE MONEY & THE PLANET?

Join 150+ UAE companies already cutting costs with sustainable power solutions



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SUSTAINABILITY CATALOGUE

GLOW POWER EQUIPMENT RENTAL LLC

V 1.0