



BLADON 12KW MICRO TURBINE GENSET

**REINVENTING THE DIESEL GENSET
FOR TELECOM TOWER POWER**



POWER. TRANSFORMED.



UP TO 8,000 HOUR SERVICE INTERVALS

- Up to 90% fewer site visits
- No lubricant or liquid coolant
- Minimal replacement parts make services simple and low cost



FUEL FLEXIBILITY

- Use diesel, kerosene, paraffin or mix them
- Lowers fuel costs
- Deter fuel theft through mixing diesel with kerosene



SECURE BY DESIGN

- Hardened cabinet
- Single service door access
- Tamper-proof internal hinges
- No reusable parts for traditional diesel gensets



REDUCED ENVIRONMENTAL IMPACT

- World's only EURO V Compliant 12kW diesel genset
- Quietest genset at <65dB at 1m
- Ultra low vibration

CONTROL & MONITOR MTG'S FROM ANYWHERE

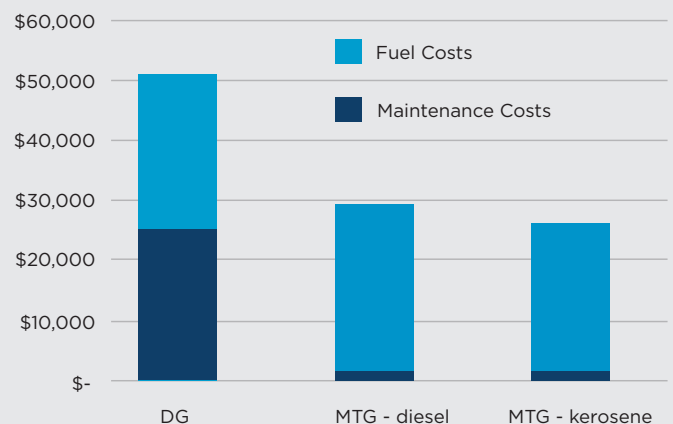
The Bladon MTG was designed from the very beginning to be an ultra reliable, ultra low maintenance genset with powerful monitoring and management capabilities built-in. That's why every MTG comes with the DSE7320 MKII controller from Deep Sea Electronics.



REDUCE OPEX BY UP TO 60%

- Up to 90% reduction in site maintenance visits
- Up to 30% savings in fuel costs
- Proactive antitheft measures through mixing fuels, non-reusable genset parts, low value consumables

Sample - Telecom Tower 3 year OPEX savings



SUMMARY TECHNICAL SPECIFICATION

PERFORMANCE			
Power Output	12kW @ 25°C @ sea level	Power Factor	1.0
Peak Efficiency	25%		
ENGINE			
Engine Type	Micro Gas Turbine		
Operating Environment	Prime Power, Backup or Hybrid modes (indoor, outdoor or rooftop configurations)		
FUEL OPTIONS			
Fuel Tank	External liquid fuel tank options up to 3,000 litres		
Fuel Types	Diesel (EN509:2009), Kerosene (K1 Grade) or Diesel/Kerosene blend		
PHYSICAL SPECIFICATION			
Dimensions	2.1m(L)x0.9m(W)x1.1m(H) Excluding fuel tank and exhaust flue		
Weight (excl. batteries)	<700kg Excluding fuel tank and batteries		
Security	IP54 Ingress protection, Tamper proof doors. Remote monitoring and geo-locking options. Single service door access		
EMISSIONS			
Noise	<65dB @ 1m		
Exhaust Emissions	Best in Class EU Regulation 1628 Stage V 2016		
SAFETY			
Certification	Machinery Directive 2006/42/EC, CE, ISO 60204 Safety of Machinery, ISO 19372 Microturbine Safety, ISO 60034 rotating electrical machines, ISO 61000 EMC		
ENVIRONMENTAL RANGE			
Operating Conditions	-10°C to +45°C		
Relative Humidity (%RH)	0-99		
SERVICE AND WARRANTY			
Service Interval	Up to 8,000 hours**		
Warranty	2 years or 5,000 running hours		

ABOUT BLADON

Bladon is a pioneer in the design, development and manufacture of Micro Turbine Gensets.

Bladon is the world's first manufacturer of microturbine gensets for the telecom market. The company has developed revolutionary patented microturbine, heat exchanger and air bearing technologies to deliver cost effective reliable power.

BLADONMT.COM

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**8,000 hours service life subject to suitable air and fuel quality.

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Bladon Micro Turbine is a registered trade mark and a trading name of members of the Bladon Jets group of companies.

Bladon Approved Reseller