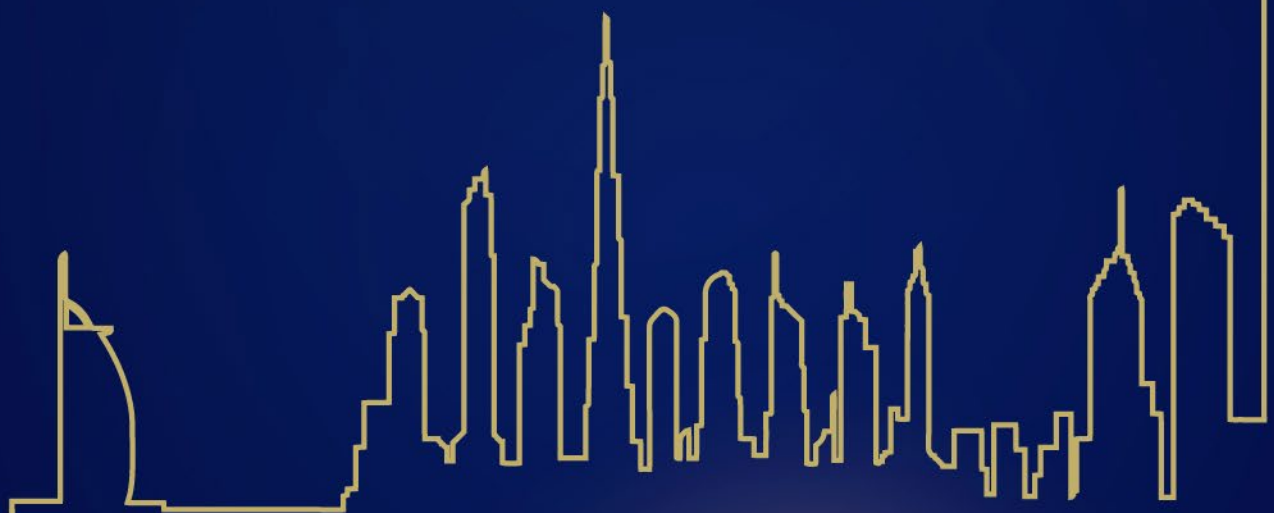




SOLAR
INVERTER
GENERATOR
TECHNOLOGY

Products and Services Catalogue



Generator Set from 10 kVA to 2500 kVA

We Make Your
Power Solutions
Sustainable

History of **BAHMANI GROUP**



from a small company starting in 1986...
...to the top UAE power solutions provider
that we are today

We Make Your
Power Solutions
Sustainable

Facts & Figures:

400+
employees in UAE

USD **350millions**
total investment

sq. ft. **368k**
is the size of facility

Production Capacity:

5000 units
of generators

300 MW
of solar modules

300 MW
of invertors

about **BAHMANI GROUP**

Bahmani Group was established in 1986 in Dubai and has since then developed a number of successful investments, strategic partnerships and companies organized today within four sectors. Bahmani Developers has an attractive real estate portfolio and Luxury Star works within Travel & Tourism. Bahmani Manufacturing and Industrial Technology (BMIT) has established a factory in Dubai Investment Park 1 with three separate production lines:

NOOR Generator Technology (NGT) produces Diesel Generators powered by Perkins UK. NOOR Solar Technology (NST) is the first producer in UAE of solar modules based on European technology and quality under the NOOR brand. NOOR Inverter Technology (NIT) produces leading central PV inverters under the German technology leader brand LTI ReEnergy. The fourth sector is Bahmani General Trading (BGT) who is representing world leading industrial and construction equipment suppliers including Perkins Power Diesel Generator and Kawasaki Power Tools, and is a full Generator power solutions provider working through out Middle East and Africa.

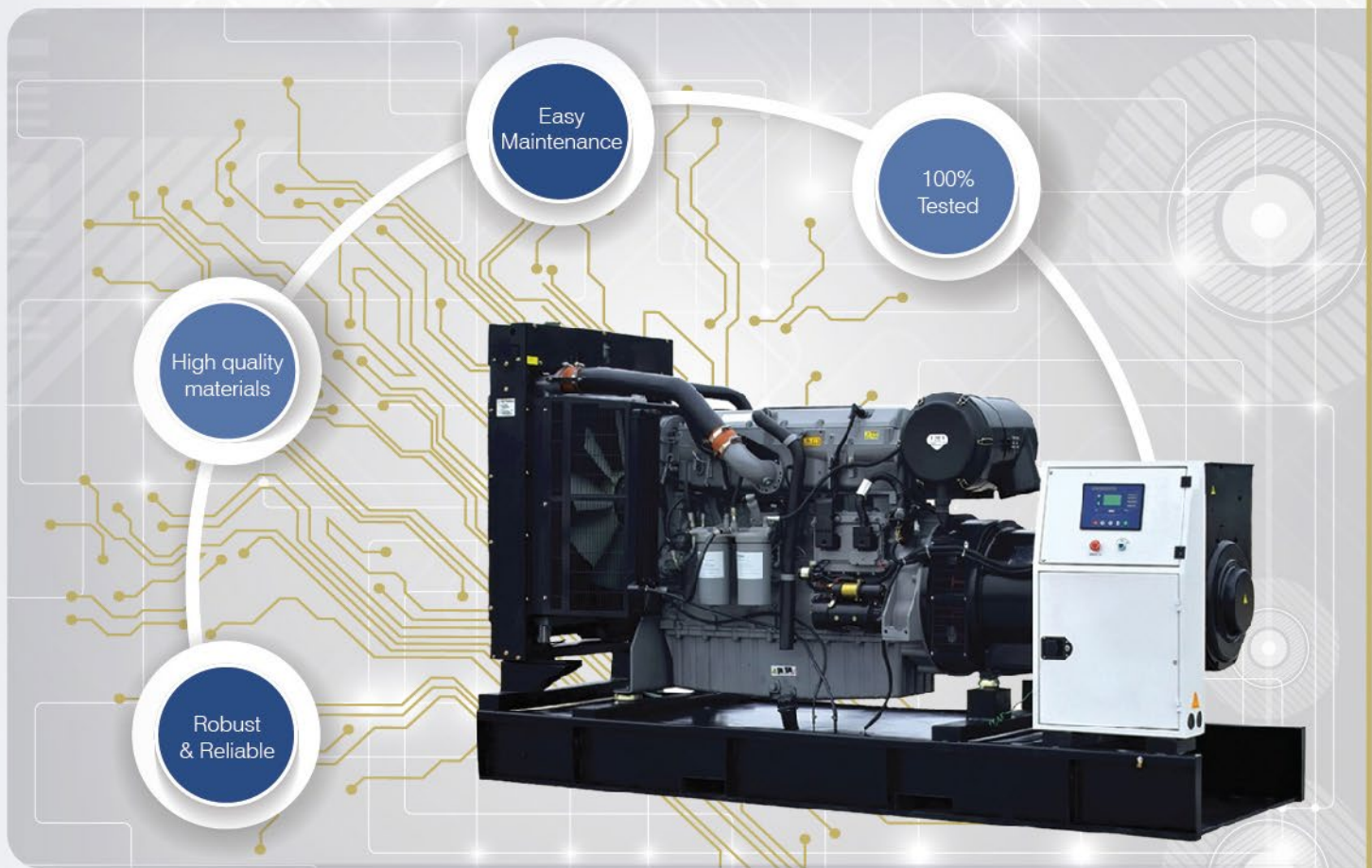
about **BAHMANI General Trading**

Bahmani General Trading (BGT) is rapidly growing and has become one of the leading companies within the Power Generation Industry in the Middle East and known as the largest stockiest of Perkins Power Diesel Generators in the MENA region. As a reliable partner BGT has a trusted name in the market for providing total power solutions, 24/7 after-sales service and rental offering as well as sales of a complete product portfolio. We are proud to hold and manage one of the biggest stock of spare-parts as well.



of experience
in power generation industry...

Why NOOR Generator Technology?



Features & Benefits

- NGT Generators are powered by Perkins Engine, the world leader having over 85 years of innovation and excellence, with customer support in 182 countries from 3,500 outlets.
- NGT Generators are coupled with Leroy Somer France/European Alternators, the global number one in alternators, with over 100 years of experience, having 120+ active patents in over 40 countries and over 80 service centres.
- NGT Generators also use Meccalte alternators, the world's largest independent producer of alternators for 1-5,000 kVA, producing over 1,400 alternators per day across the globe.
- NGT Generators are equipped with DSE controller, one of the world's top manufacturers from UK, having over 40 years of excellence, the most advanced and user-friendly controller in the market.
- Low fuel consumption, saving on fuel spend.
- Compact and rugged design, saving on transport and storage cost.
- Designed to occupy less space considering critical applications and cities where space is at a premium.
- Low noise and vibration, considering critical applications where noise level matters.
- Easy maintenance and long service intervals, saving on maintenance cost.
- Subject to rigorous tests including load acceptance, cooling, vibration and noise level prior shipment to customer.
- Simple to operate and environment friendly in worst ambient conditions.
- Equipped with built-in fuel tank sufficient for 8 to 10 hours of operations.
- Fully Engineering wide range of optional accessories available.

Our Products & Services

Bahmani General Trading (BGT) is known as the largest stockiest of Perkins Power Diesel Generators in the MENA region.



Power Generation for Any Industry



Diesel Generators



Alternator

We offer world well-known alternator such as Leroy Somer, Mecc Alte & Voltaggio. Four pole brushless self-excited system, Class H insulation, the voltage regulation will be 1%. if PMG system is selected, the voltage regulation will be 0.5%, and at the same time PMG system provides high motor starting capability as well as immunity to waveform distortion.



Engine

We are the authorized OEM of Perkins. Perkins has the highest standard of engineering it provides most comprehensive and reliable power solution; It's products meet the precise requirements of customers; Perkins is a UK based company with history of 85 years; It's one of the leading provider of gas and diesel the world engines.



Soundproof Canopy

NGT Sound & Weatherproof in housed powder coated galvanized canopy provides durable protection from all type of ambient conditions. Insulated with sound-absorbing and anti-fire material. Efficient in the air flow to the engine cooling. Integrated control panel with easy access.

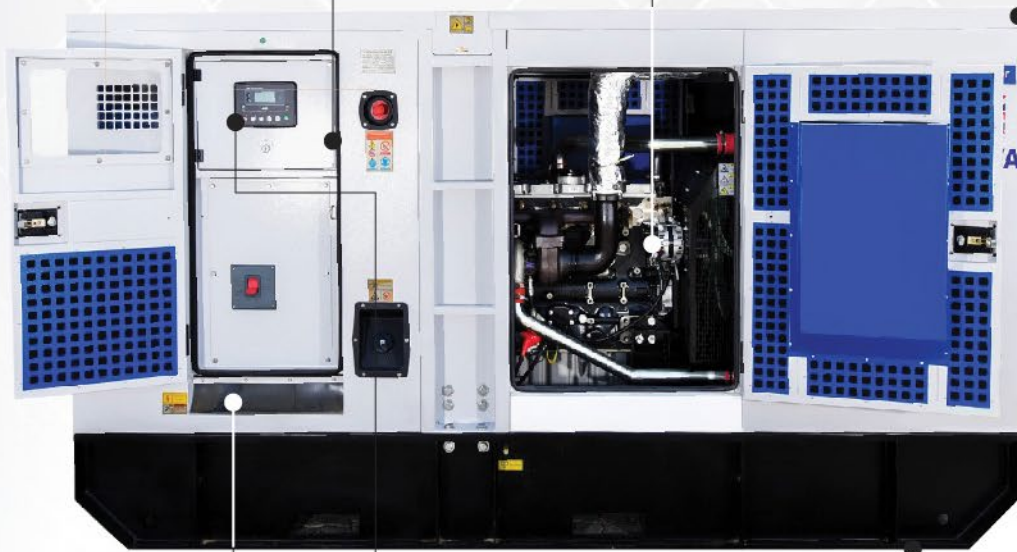


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ATS & Sync Panel (optional)

Easily to operate;
Connection with high reliability.

Control Panel

NGT Generators are provided with DSE integrated control panel. It is responsible for monitoring and protection of Generator. Controller has: AMF & ATS function, Parameters to Protect Engine, Alternator & Mains supply, Running time predetermined, Preventive & Shutdown Alarms, Events Log.







Baseframe

Fabricated, welded construction base frame.
High quality Mild Steel.
Integrated base fuel tank.
Anti-vibration system.
Lifting system.
Painted (Power coated or Epox spray painted).



Strategic Partners:



|  Generator |  50 Hz / 400 V | |  Perkins Engine Model |  Alternator | | | |
|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|---------|---------------|--|
| | Prime | Stand By | | Leroy Somer | Voltage | Mecc Alte | |
| NGT 10 | 9 | 10 | 403A-11G1 | TAL-040-C | V164B | ECP-2S/4A | |
| NGT 15 | 13 | 15 | 403A-15G1 | TAL-040-C | V164C | ECP3-2L/4 | |
| NGT 17 | 15 | 17 | 403A-15G2 | TAL-040-E | V164D | ECP3-3L/4 | |
| NGT 22 | 20 | 22 | 404A-22G1 | TAL-040-F | V184E | ECP28-M/4 | |
| NGT 33 | 30 | 33 | 1103A-33G | TAL-042-C | V184G | ECP32-2S/4 | |
| NGT 50 | 45 | 50 | 1103A-33TG1 | TAL-042-F | V224D | ECP32-1M/4B | |
| NGT 66 | 60 | 66 | 1103A-33TG2 | TAL-042-H | V224E | ECP34-2S/4A | |
| NGT 88 | 80 | 88 | 1104A-44TG2 | TAL-044-C | V224G | ECP34-2S/4A | |
| NGT 110 | 100 | 110 | 1104C-44TAG2 | TAL-044-D | V274C | ECP34-2S/4A | |
| NGT 150 | 135 | 150 | 1106A-70TG1 | TAL-044-H | V274E | ECP34-2L/4 | |
| NGT 165 | 150 | 165 | 1106A-70TAG2 | TAL-044-J | V274F | ECP34-2L/4 | |
| NGT 200 | 180 | 200 | 1106A-70TAG3 | TAL-046-A | V274G | ECO38-1SN/4 | |
| NGT 220 | 200 | 220 | 1106A-70TAG4 | TAL-046-B | V274H | ECO38-2SN/4 | |
| NGT 250 | 230 | 250 | 1506A-E88TAG2 | TAL-046-C | V274J | ECO38-3SN/4 | |
| NGT 275 | 250 | 275 | 1506A-E88TAG3 | TAL-046-D | V274K | ECO38-1LN/4 | |
| NGT 330 | 300 | 330 | 1506A-E88TAG5 | TAL-046-F | V314E | ECO38-2LN/4 | |
| NGT 400 | 350 | 400 | 2206C-E13TAG2 | TAL-046-H | V314F | ECO38-3LN/4 | |
| NGT 450 | 400 | 450 | 2206C-E13TAG3 | TAL-047-A | V314G | ECO40-1S/4 | |
| NGT 500 | 450 | 495 | 2506C-E15TAG1 | TAL-047-B | V354C | ECO40-2S/4 | |
| NGT 550 | 500 | 550 | 2506C-E15TAG2 | TAL-047-C | V354D | ECO40-3S/4 | |
| NGT 660 | 600 | 660 | 2806C-E18TAG1A | TAL-047-E | - | ECO40-1.5L/4 | |
| NGT 700 | 650 | 700 | 2806A-E18TAG2 | TAL-047-F | - | ECO40-2L/4 | |
| NGT 825 | 750 | 825 | 4006-23TAG2A | TAL-049-C | - | ECO43-1SN/4 | |
| NGT 900 | 800 | 900 | 4006-23TAG3A | TAL-049-C | - | ECO43-1SN/4 | |
| NGT 1000 | 900 | 1000 | 4008TAG1A | TAL-049-D | - | ECO43-1LN/4 | |
| NGT 1100 | 1000 | 1100 | 4008TAG2 | TAL-049-E | - | ECO43-1LN/4 | |
| NGT 1375 | 1250 | 1375 | 4012-46TWG2A | LSA50.2 M6 | - | ECO43-2L | |
| NGT 1650 | 1500 | 1650 | 4012-46TAG2A | LSA50.2 L8 | - | ECO46-1S | |
| NGT 1856 | 1688 | 1856 | 4012-46TAG3A | LSA52.3 S5 | - | ECO46-2S | |
| NGT 2000 | 1850 | 2000 | 4016TAG1A | LSA52.3 S5 | - | ECO46 1.5L4 A | |
| NGT 2250 | 2000 | 2250 | 4016TAG2A | LSA52.3 S6 | - | ECO46-1L/4 | |
| NGT 2500 | 2250 | 2500 | 4016-61TRG3 | LSA52.3 L9 | - | ECO46 1.5L/4 | |

Diesel Generators Technical Specifications

| Canopy / Enclosure Type Dimensions | | | | Open Type Dimensions | | | |
|------------------------------------|-------|-------|-------------|----------------------|-------|-------|-------------|
| L(mm) | W(mm) | H(mm) | Weight (Kg) | L(mm) | W(mm) | H(mm) | Weight (Kg) |
| 2000 | 900 | 1180 | 690 | 1200 | 750 | 1180 | 350 |
| 2000 | 900 | 1180 | 810 | 1200 | 750 | 1100 | 430 |
| 2000 | 900 | 1180 | 810 | 1200 | 750 | 1100 | 430 |
| 2150 | 950 | 1280 | 790 | 1300 | 750 | 1250 | 500 |
| 2300 | 950 | 1260 | 1140 | 1500 | 800 | 1250 | 700 |
| 2500 | 950 | 1260 | 1180 | 1500 | 800 | 1200 | 700 |
| 2500 | 950 | 1260 | 1300 | 1700 | 800 | 1250 | 890 |
| 2800 | 1100 | 1370 | 1570 | 1900 | 900 | 1320 | 1010 |
| 2800 | 1100 | 1370 | 1700 | 1900 | 900 | 1320 | 1060 |
| 3200 | 1100 | 1470 | 2070 | 2350 | 950 | 1520 | 1480 |
| 3200 | 1100 | 1800 | 2180 | 2350 | 950 | 1520 | 1580 |
| 3200 | 1100 | 1800 | 2340 | 2350 | 950 | 1520 | 1580 |
| 3200 | 1100 | 1800 | 2420 | 2450 | 950 | 1570 | 1700 |
| 3800 | 1300 | 1900 | 3190 | 2700 | 1100 | 1850 | 2290 |
| 3800 | 1300 | 1900 | 3260 | 2700 | 1100 | 1850 | 2300 |
| 3800 | 1400 | 2100 | 3620 | 2900 | 1150 | 1850 | 2680 |
| 4200 | 1500 | 2200 | 4410 | 3300 | 1150 | 2100 | 3240 |
| 4200 | 1500 | 2200 | 4620 | 3300 | 1150 | 2100 | 3290 |
| 4800 | 1700 | 2305 | 5150 | 3500 | 1250 | 2120 | 3800 |
| 4800 | 1700 | 2305 | 5770 | 3500 | 1250 | 2120 | 3840 |
| 4800 | 2000 | 2430 | 6210 | 3500 | 1250 | 2120 | 3940 |
| 4800 | 2000 | 2430 | 6240 | 3500 | 1250 | 2120 | 4150 |
| 5800 | 2150 | 2545 | 8015 | 4100 | 1750 | 2310 | 4750 |
| 5800 | 2150 | 2540 | 8500 | 4100 | 1750 | 2210 | 4800 |
| 6058 | 2438 | 2591 | 12590 | 4700 | 2050 | 2300 | 7590 |
| 6058 | 2438 | 2591 | 12611 | 4700 | 2050 | 2300 | 7611 |
| 12192 | 2438 | 2896 | 19154 | 5100 | 2220 | 2300 | 9154 |
| 12192 | 2438 | 2896 | 21580 | 5100 | 2220 | 2350 | 11580 |
| 12192 | 2438 | 2896 | 21580 | 5100 | 2220 | 2400 | 11580 |
| 12192 | 2438 | 2896 | 26500 | 6600 | 2250 | 2750 | 16500 |
| 12192 | 2438 | 2896 | 26500 | 6600 | 2250 | 2750 | 16500 |
| 12192 | 2438 | 2896 | 26500 | 6900 | 2250 | 2750 | 17500 |

Tower Lights



Aluminum Alloy Lamp Post

Max Boom height of 9 meters.
Hoist rotation - 360 degrees /each head
can be independently tilted to provide
better illumination.

LED Lamps

4 powerful 1,000 watts metal halide /
LED lamps. Illumination of maximum 7 acres.

Soundproof Canopy

NGT Sound & Weatherproof in housed powder
coated galvanized canopy provides durable
protection form all type of ambient conditions

Water-cooled Engine Generator

Powered by Perkins (UK)
water-cooled engine.

Cold-rolled Steel Base

High quality suspension, single axle trailer
with front leveling jack and running lights.

Image is for illustration puprose only

Specifications:

- Max Boom height of 9 meters.
- Safe & Reliable telescopic mast operates manually.
- Each unit has a state of the art digital control, weather proof enclosure, galvanized coating tower which is durable against corrosion.
- Powered by Perkins (UK) water-cooled engine.
- Brushless alternator for low maintenance & long life.
- Circuit breakers for all receptacles.
- High quality suspension, single axle trailer with front leveling jack and running lights.
- Built in fuel tank.
- Digital controller – Deepsea (UK).
- 4 powerful 1000 watts metal halide / LED lamps.
- Hoist rotation - 360 degrees / each head can be independently tilted to provide better illumination.
- Illumination of maximum 7 acres.

Due to continuous research and product development, we reserve the right to change specifications without any notice

Automatic Transfer Switch

Automatic Transfer Switches (ATS) are installed when a system requires hassle-free switching between two power sources. ATS Panels are used to switch the load or industry electrical power to generator in case of power failure from city power.



Image is for illustration puprose only

Specifications:

- Power Rating 1kVA ~ 1500kVA or above
- System Voltage 380 ~ 1000VAC
- Wall / Floor Standing
- With Motorized Air Circuit Breakers (ACBs)
- With manual bypass or without manual bypass
- Mains with Generator or Generator with Generator Function
- Steel Sheet / GRP Enclosures
- With Magnetic Contactors
- With Motorized MCCB

Synchronization & Paralleling System

NGT manufactures auto and manual PLC based synchronizing panel that has all control gears and switchgear necessary for synchronizing operation such as breakers, protection relays and synchronizing meter. Manual Synchronizing Panel is provided in all controls and meters to observe various parameters for manual operation. Auto synchronizing panel comprises of special relays that automatically perform synchronization. In addition, we also provide sharing relays so that each DG shares equal load and load management relays to control starting and shutting off generators depending upon load requirement.

Specifications:

- Synchronization of generators up to 32 sets
- With Magnetic Contactors
- With Motorized MCCBs
- With Motorized Air Circuit Breakers (ACBs)



Image is for illustration puprose only

Due to continuous research and product development, we reserve the right to change specifications without any notice



LEADING EXPORTER
OF GENUINE PARTS

NOOR Spare Parts has been formed to cater genuine parts and accessories of diesel power generators in the Middle East, Africa and the Asian market. It is one of the biggest stockiest of genuine parts of all the well-known generator brands including Maintenance, Repair and Overhaul items of all series of generators from 10 kva to 2500 KVA.

Our Products:

- Original Engine Overhauling Parts.
- Original Engine Consumable Parts.
- Original Alternator accessories and spare Parts for Leroy Somer, MeccAlte, Voltaggio Alternators.
- Deep Sea Electronic products like Controllers, Battery charger, Extended modules & Remote monitoring system with GPS antenna etc.



NOOR Rental Equipment



Rental generators are growing in popularity, primarily because they offer solutions to short term power needs and can be moved from one location to another.

Customers can have tailored packages for specific periods of time at fixed payments. Industries such as the telecommunications, manufacturing, construction and events often find themselves in need of temporary power supply in their lines of work. Depending on the requirements of the particular industry we provide the power solution.

Rent from NOOR Rental a generator:

- Daily, weekly and long-term rental
- Auxiliary equipment and accessories
- Delivery and pick-up services
- Installation and operational training
- Generator management service
- 24/7 service

Complete power packages can be supplied including power generation, secondary power distribution, Tower lights, Boom lifts (Telescopic & Articulated), Scissors lifts, compressors, fuel tanks, drip trays and cables along with cable ramps. Our technical team can provide a pre-hire advisory service to ensure your requirement is fulfilled.



Noor Rental Division is a part of Bahmani Group,
One of the largest equipment rental companies in the Middle East.



- Annual Maintenance Contract (AMC)
- Generator installation
- Testing and Commissioning
- Extended warranty



After Sales Technical Support



Technical Assistance

Permanent technical assistance, performed remotely by phone or on site.



Spare Parts

Spare parts supply for industrial diesel engines, alternators and generators of all brands.



Major Overhauling

Generator refurbishment services to improve obsolete generators and to guarantee full operation.



Maintenance and Repair

Integrated and customized monitoring of your equipment, to maximize its usage



Solutions and Projects

Tell us what you need. We carry out projects and solutions tailored to every need



Start-up and Training

Verification of the installation, of the equipment as a whole, and conduction of functional tests.

Our Sales and Service Team



**WE MAKE
YOUR POWER SOLUTIONS
SUSTAINABLE**



Our Factory Team



BGT HEAD OFFICE

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PO Box: 377243, Dubai. UAE.

Tel: +971 4 229 8687

Factory

Bahmani Manufacturing and Industrial Technology Co. LLC

Flat No.: 5981641, main street 86, Street 76

PO Box: 377243, Dubai. UAE.

Tel: +971 4 881 1118

Our Branches

Jebel Ali - Free Zone Branch

📍 Round about 08,
warehouse number RA08AB03,
Jebel Ali Free Zone, Dubai, UAE
☎ Tel: +971 4 333 3170

Deira Branch

📍 Mount Royal Hotel Bldg.,
Showroom No. 2, Nasser Square,
Deira, Dubai, U.A.E.
☎ Tel: +971 4 234 6630

Sharjah Branch

📍 Industrial Area 3,
Sharjah, U.A.E.
☎ Tel: +971 6 539 1012



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