

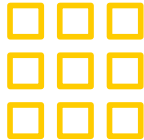


TAILOR-MADE POWER SOLUTIONS WITHOUT COMPROMISE

Large-scale operations require customisable and standard-setting gensets for optimal performance. Mantrac systems are reliable and easy to implement and maintain, so your operation benefits from higher profitability and a longer equipment lifespan.

OPERATIONAL SUCCESS: TODAY AND IN THE FUTURE

Your organisation needs a reliable and scalable power source, covering all of the factors for short-term and long-term operational success:



Customisable solutions

Wide range of genset options, flexible configurations, expert implementation, and future upgrades



Guarantee of reliable performance

Proven success for applications in your industry, with backup power features



The right price

Best possible return on investment with low capital expenditure



Easy maintenance and repairs

Ready parts and service availability for minimal downtime and maximum profitability



POWERING YOUR OPERATION, SO YOU CAN POWER THE ECONOMY

Your operation needs to run optimally, starting at the source. Cat® gensets provide predictable and dependable output, creating overall efficiency.



Range of custom solutions

Cat leads the industry with the largest range of high-quality gensets, engineered for all permanent or temporary operations

- Continuous running on based load or prime power ratings
- As-needed running on Emergency Standby or Mission Critical ratings



Fuel and cost efficiency

Rigorous testing, engineering and re-engineering for fuel and cost-effective operations



Dependability

Industries around the world rely on Cat gensets, which come with reliable industry-leading technology and a worldwide network of certified dealerships for quick assistance

PROVEN SUCCESS FOR EVERY POWER SYSTEM

Cat gensets provide overall system efficiency, with predictable outputs and demonstrated performance for long-haul operations.



Every requirement

- Industry-leading range of gensets from 6.8 kVA to 18,610 kVA per unit
- Flexible configurations for easy customisation
- Future-ready designs for upgradability
- Optimised for low fuel consumption or low emission requirements



Every efficiency need

Dynamic Gas Blending™

Optimises gas substitution up to 70% with gas or 30% with diesel

Hybrid systems

Supplement diesel-based operation with solar



Every time

- Reliability
- Durability
- Long haul operation

HIT THE MARK EVERY TIME WITH MANTRAC

We offer every customer tailor-made support, to ensure overall success of your operation.



Site grading

Selecting a solution for best performance under site conditions: ambient temperature, altitude, relative humidity.



Finance

- Assistance finding investment support, custom credit and financing
- Short- and long-term rentals



Custom sizing

Prevent undersizing and oversizing by optimising for the ideal load factor, and motor inrush for starting current.



Expert support

- A network of dealerships with professional service from Cat-certified Mantrac technicians
- Over 90% in-territory spare part availability



Electrical solutions

Consulting to meet all configuration requirements such as: voltage, load profile, winding and harmonics

UNPARALLELED PERFORMANCE THAT OUTDOES THE COMPETITION

We know that for the best life cycle efficiency, your genset should perform in challenging conditions. Cat gensets are unrivalled, with a clear advantage over the competition.



**CAT
3516B**

**CUMMINS
C2250 D5**

Prime power rating

**2,000 kVA
at 50 Hz**

**2,000 kVA
at 50 Hz**

Compression ratio



14.0:1

14.5:1

Fuel Consumption
Load 75%
(ISO 3046-1)



309.2 L/h

328 L/h

A MANTRAC CASE STUDY

BRINGING FUEL FLEXIBILITY TO ONE OF THE WORLD'S LARGEST BREWING COMPANIES



STAYING WITHIN BUDGET WHILE GENERATING SAVINGS

SAB Miller is a brewing company—recently acquired by ABInBev—with a plant in Nigeria. The company came to Mantrac to generate operational savings with gas-based operations. We delivered with a fuel flexible solution within the company's budget.

Challenges



Fuel savings needed through gas-based operations



Unstable gas supply in Nigeria, so diesel flexibility is needed



Boilers ran 100% on fuel, leading to high operational costs

STAYING WITHIN BUDGET WHILE GENERATING SAVINGS

Solution

- Design, project management, installation and commissioning, including electromechanical supplies
- Six Cat D3516 gensets with Dynamic Gas Blending™
- Ventilation and cooling systems, including radiators
- Auxiliary systems, including switchgears



Impact

The solution met all operational targets using state-of-the-art infrastructure

End-to-end solution

Design, project management installation and commissioning

Fuel flexibility

Automatic switching between 70% gas to 100% diesel as needed

Total infrastructure

Exhaust system with chimneys, fuel systems and storage tanks

RELATED ASSETS

EXPLORE OUR POWER SOLUTIONS FOR LARGE ELECTRICAL PROJECTS

COMMERCIAL MATERIAL

Get an overview of the entire range of power solutions by viewing our brochures and videos.

PROJECT REFERENCES

See how Mantrac has successfully delivered power solutions for LEP customers.

TECHNICAL DOCUMENTS

Understand the types of solutions that are ideal for your specific operational needs.

PRODUCT SPECIFICATIONS

Get all the details on prospective power solutions for your operations.