

# POWER IN ACTION

# CASE STUDY

Wacker Metroark Chemicals  
Pvt. Ltd.



## Location

Kolkata, West Bengal,  
India



## Industry Segment

Chemical Industry



## Quantity

6 units



## Genset Rating

4 x 1010 kVA (808 kW),  
2 x 1250 kVA (1000 kW)

## CLIENT PROFILE

WACKER, in partnership with its Indian collaborator Metroark, established the joint venture Wacker Metroark Chemicals Pvt. Ltd. in 1998 to manufacture and market WACKER silicone products across the Indian subcontinent. WACKER holds a 51% stake in this partnership. With strategically located sales offices in Delhi, Mumbai, Kolkata, Chennai, and Dhaka, they have a strong presence in South Asia's key commercial hubs and are already a market leader in several industries with their premium silicone product portfolio.

Production at the Kolkata facility began in 1999, focusing on silicone-based solutions tailored for the textile and personal care sectors. To enhance technical support and deepen their regional footprint across South and Southeast Asia, they also operate a dedicated technical center at this site.

Spread over 1,800 square meters, the center is equipped with cutting-edge application technology and testing infrastructure, supporting innovations in the textile, personal care, automotive, and construction sectors.

To ensure uninterrupted operations, Wacker Metroark Chemicals relied on four 1010 kVA and two 1250 kVA gensets from Captiva for delivering robust and reliable power support.



## Key Features of Diesel Generator

- Market-leading block loading capability
- Conform to ISO:8528-5 steady state and transient response requirement
- Reliable, rugged & durable design
- Lower cost of ownership- cap in end-user cost
- Optimized fuel consumption over a range of loads

For Wacker Metroark Chemicals Pvt. Ltd., reliable power is more than just a need– it's a priority. Today, Wacker is the regional market leader in silicones for personal care and hair care, silicones for power transmission & distribution, and dispersible polymer powders for the construction industry.

## Challenges :

- **Uninterrupted Power for Seamless Production:** The chemical manufacturing process at Wacker Metroark demands a stable and reliable power supply to maintain batch consistency and safeguard sensitive equipment
- **High Load Handling Across Multiple Units:** With several mission-critical units operating simultaneously, the facility required a power solution capable of managing heavy loads with smooth and efficient distribution
- **Adherence to Stringent Compliance & Safety Standards:** As a chemical production site, the plant needed power infrastructure aligned with rigorous environmental regulations and operational safety protocols
- **Optimized Space Utilization for Genset Installation:** The power setup had to be carefully designed to maximize available space and accommodate multiple gensets without interrupting ongoing factory functions
- **Noise and Emission Control to Meet Sustainability Goals:** In line with Wacker's commitment to sustainability and compliance, the power solution prioritized low-noise, low-emission operation to meet both internal and regulatory expectations





## Solutions Provided :

- **Deployment of 6 High-Performance Diesel Generators:** Captiva installed six industrial-grade diesel generators designed for durability and continuous 24/7 operation, incorporating built-in redundancy to eliminate power disruptions
- **Smart Load Management & Synchronization:** A tailored load-sharing and synchronization system was integrated to intelligently distribute power across various manufacturing zones, optimizing efficiency and responsiveness
- **Compliance with Safety & Emission Norms:** Each generator was equipped with advanced safety features, acoustic enclosures, and emission control systems to meet stringent environmental and operational standards
- **Compact, Modular Installation Design:** Captiva's engineering team developed a modular, space-optimized layout, enabling seamless installation of all six units without disrupting plant workflows or existing infrastructure
- **Comprehensive Testing, Training & Ongoing Support:** From commissioning to operator training, Team Captiva provided end-to-end support- ensuring reliable system performance and minimal downtime post-installation

“ We've relied on a 4 \* 1010 kVA & 2\*1250 kVA gensets from Captiva to ensure consistent operations.

Captiva gensets have proven to be the most dependable solution for our factory. The service & technical teams were proactive and professional, making installation and integration smooth. We've seen significant cost reductions and operational improvements.

With Captiva, it wasn't just buying equipment; we got a trusted business partner too. We're confident in recommending Captiva to others and look forward to more collaborations in the future.

Supervisor, Electrical  
Wacker Metroark Chemicals Pvt. Ltd.

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## Our Promise :

A world-class product meeting localized needs. The product comes with optimized ownership and operating costs backed by limited warranty for uninterrupted performance

## About Us :

Captiva was established to meet the growing demand for standby power in India. It has a dynamic team of customer-focused professionals providing end-to-end, sustainable energy solutions.

In 2019, Generac Group, a global leader in the energy sector, acquired a majority stake in Captiva. Being part of Generac, Captiva is now better equipped to access advanced technology and extended resources, endeavoring to be a leader in India.

Captiva remains committed to delivering cleaner energy products and playing a responsible role for future generations. To present a one-window solution, Captiva has an established business vertical for Project Management using the latest technology while maintaining the highest level of safety standards: Captiva has successfully completed over 2000 projects, with on-time records and with zero injuries.



## Contact Us:

Readers who have similar application requirements and would like to discuss this success are invited to write to us at [crm@captivaenergy.com](mailto:crm@captivaenergy.com)



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