



LEGRAND and INDIA'S HERITAGE SNACKS BRAND

POWERING EXCELLENCE IN FOOD MANUFACTURING

One of India's leading snacks brand, runs a 55,000 sq. ft. Pune factory producing 10,000–20,000 kg daily. Known for sweets, namkeens and dairy, it introduced the iconic Bakarwadi in 1976 and became India's first to machine-produce it in 1996. With 250+ products, the brand reaches the US, Europe and the Gulf.



Challenges

Despite its success, the manufacturer faced operational challenges:

- **Power outages** disrupted production and risked food spoilage.
- **Unstable power supply** caused interruptions and increased operational costs.
- **Low-quality components** led to frequent breakdowns and delays.
- **Aging equipment** increased energy consumption and inefficiency.



Legrand's Solution

Legrand provided advanced solutions to address these issues and enhance operational efficiency:

Reactive Power Compensation Systems: Improved power factor, reduced system losses, and enabled real-time energy monitoring.

Breaking and Protection Devices: Legrand's DX³, DPX³, and DMX³ circuit breakers offered real-time energy monitoring, automatic overload shutdowns, and advanced safety features, such as surge protection, short-circuit prevention and overloading safeguards. These solutions also reduced maintenance costs and met the durability demands of next-generation electrical grids.

Energy Management Technologies: Smart breakers enabled real-time monitoring, remote control, and advanced protection features, ensuring durability and low maintenance. Energy management circuit breakers (EMCBs) allowed utilities to remotely manage major loads, maximizing asset utilization and operational efficiency.



Implementation

The project was executed with clear planning, effective communication and alignment with the brand's business objectives. Progress tracking ensured timely and efficient implementation.

Ensuring end-to-end energy efficiency: Energy-efficient technologies provided significant benefits:

- Real-time energy monitoring and control.
- Automatic overload shutdowns to prevent damage.
- Advanced safety features enhanced durability and reduced risks.
- Lower maintenance costs and improved grid performance.

Delivering unparalleled safety: All while maintaining safety standards, including IEC 62271-100:2021 for AC circuit breakers and IEC 60898-1 for low-voltage AC circuit breakers, ensured a robust and reliable electrical infrastructure.



Conclusion

Legrand's single-point solution addressed power and energy challenges of one of India's iconic snacks manufacturers, enhancing efficiency, reducing downtime and ensuring compliance with international standards. The implementation of cutting-edge electrical systems delivered reliable operations, reduced costs and long-term sustainability.

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