

# BESS as a Driver of the Energy Transition Stability and Cost Reduction

*BESS grows 25% per year and can already reduce energy costs by up to 30% in well-structured projects.*

***Genesis** turns storage into stability, predictability, and competitive advantage.*

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## BESS Systems and the New Dynamics of the Electric Sector

Battery Energy Storage Systems (BESS) have established themselves as one of the main enablers of the global energy transition. In Brazil, the expansion of intermittent renewable sources, combined with price volatility and the drive for operational efficiency, positions BESS as a strategic asset for companies and utilities.

Globally, the BESS market is growing at rates above 25% per year, and projections indicate that storage can reduce systemic energy costs by up to 30% when properly integrated with generation and consumption. In the corporate and industrial environment, BESS solutions already enable significant cost reductions through peak shaving, tariff arbitrage, and greater operational predictability.

# Integrated Structuring of Storage Systems

However, the success of BESS does not depend solely on technology. Incorrect sizing, inadequate integration, and fragile economic models compromise return on investment.

Viability requires precise market insight, robust engineering, and financial structuring aligned with the client's consumption profile and risk.

**Genesis Energy Performance** structures BESS projects end-to-end, connecting strategic analysis, applied engineering, and technological integration.

Drawing on extensive experience in complex energy and industrial projects, **Genesis** turns storage into a real driver of efficiency, stability, and sustainable cost reduction, supporting the evolution of Brazil's energy system.

**Talk to our specialists.**

**Discover the Genesis platform!**