



FEATURE STORY

VO ALIGNMENT WITH ESG

How Voltage Optimisation drives energy savings, supports ESG goals and delivers credible performance.

Voltage Optimisation (VO) reduces the voltage supplied to electrical equipment to the optimal level for efficient operation — lowering energy consumption, electricity bills and carbon emissions without impacting performance.

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As businesses and organisations strengthen their Environmental, Social and Governance (ESG) commitments, the need for measurable, verifiable and reportable energy-saving solutions has never been greater.

Voltage Optimisation can play a significant role in achieving energy efficiency, reducing greenhouse gas (GHG) emissions and contributing to overall environmental sustainability.

This guide outlines how VO energy savings performance can be reported to meet ESG reporting requirements and demonstrate real impact.

Full story on Pages 4–5

SMARTER VOLTAGE.
LOWER EMISSIONS.
STRONGER FUTURE.



REDUCE ENERGY CONSUMPTION

LOWER CARBON EMISSIONS

IMPROVE EFFICIENCY

SUPPORT ESG GOALS

VO CONTRIBUTION TO ESG



ENVIRONMENTAL

- Reduces energy consumption
- Lowers greenhouse gas (GHG) emissions
- Supports climate action and clean energy



SOCIAL

- Enhances operational efficiency
- Lowers energy costs, freeing resources
- Supports community and stakeholder value



GOVERNANCE

- Enables transparent and verifiable reporting
- Aligns with global ESG frameworks and standards
- Demonstrates responsible energy management

“ Voltage Optimisation delivers measurable savings today and helps build a more sustainable, efficient and accountable tomorrow.”

VO REPORTING GUIDE – KEY ELEMENTS AT A GLANCE

KEY ELEMENT	ACTION	DESCRIPTION
ALIGNMENT WITH ESG FRAMEWORKS	Identify Relevant ESG Standards	Determine applicable frameworks (e.g., GRI, SASB, TCFD).
	Map VO Contributions	Map VO impact on energy efficiency, carbon reduction and sustainable operations.
QUANTITATIVE PERFORMANCE METRICS	Energy Savings	Report total energy savings (kWh) and % reduction vs baseline.
	Carbon Emission Reductions	Calculate and report CO ₂ emissions reductions using region-specific emission factors.
	Financial Impact	Include financial savings and avoided costs (e.g., carbon taxes, penalties).
QUALITATIVE REPORTING	Sustainability Goals	Explain how VO supports broader sustainability goals.
	Stakeholder Benefits	Highlight environmental, operational and financial benefits to stakeholders.
	Alignment with SDGs	Align with relevant UN SDGs such as SDG 7 and SDG 13.
METHODOLOGY AND ASSURANCE	Measurement & Verification (M&V)	Use recognised methods (e.g., IPMVP) and be transparent in calculations.
	Third-Party Assurance	Obtain independent verification to validate data, methodologies and results.
REPORTING FORMAT	ESG Reports	Integrate VO performance into annual ESG/sustainability reports with clear data presentation.
	Disclosure Platforms	Report on platforms such as CDP and GRI for stakeholder access and comparison.
CONTINUOUS IMPROVEMENT	Set Future Targets	Set and disclose future savings targets and improvement plans.
	Feedback Mechanisms	Use stakeholder feedback to enhance VO initiatives and support ESG goals.

THE VO IMPACT



MEASURABLE SAVINGS

Significant reductions in energy use and operating costs.



VERIFIABLE CARBON REDUCTIONS

Lower emissions and a smaller environmental footprint.



STRONGER ESG CREDENTIALS

Transparent reporting that builds trust with stakeholders.



SUSTAINABLE VALUE

Reinvest savings to drive further sustainability and innovation.



Energy Efficiency Systems

Voltage Optimisation provides the right voltage to electrical equipment, ensuring efficiency, cost savings, environmental benefits and performance reporting while maintaining equipment performance and longevity.

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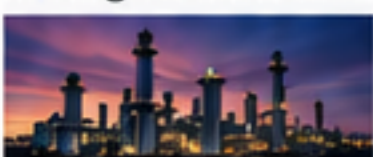
CONCLUSION

By integrating Voltage Optimisation energy savings performance into ESG reporting, organisations can demonstrate their commitment to sustainability and responsible energy management, while providing stakeholders with credible, actionable and comparable insights.

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Energy efficiency driving business value



Why efficiency initiatives deliver big returns.

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