

## VAAS Alignment with ESG

**Voltage as a Service (VAAS)**<sup>TM</sup> is an energy-saving service solution for regulating and optimising the voltage supplied to electrical equipment to the optimal level for efficient operation. The purpose of VAAS is to reduce energy consumption, lower electricity bills, and decrease carbon emissions by ensuring that electrical devices operate at their most efficient voltage level.

### Alignment

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

Properly reporting VAAS’s delivered energy savings performance to satisfy Environmental, Social, and Governance (ESG) reporting requirements involves aligning the performance metrics with the broader ESG goals and standards.

This Application Notes provides a guide on how VAAS’s energy savings performance might be reported to meet ESG reporting requirements:

### VAAS Reporting Guide

Key Element	Action	Description
<b>Alignment with ESG Frameworks</b>	<b>Identify Relevant ESG Standards</b>	Determine which ESG frameworks and standards are applicable (e.g., Global Reporting Initiative (GRI), Sustainability Accounting Standards Board (SASB), Task Force on Climate-related Financial Disclosures (TCFD)).
	<b>Map VO Contributions</b>	Map the impact of VAAS on key ESG metrics, particularly those related to energy efficiency, carbon reduction, and sustainable operations.
<b>Quantitative Performance Metrics</b>	<b>Energy Savings</b>	Report the total energy savings achieved through VAAS in kilowatt-hours (kWh). Compare this against baseline consumption to show percentage reductions.
	<b>Carbon Emission Reductions</b>	Calculate and report the reduction in carbon dioxide (CO2) emissions as a direct result of the energy savings from VO. Use region-specific emission factors to translate energy savings into GHG reductions.
	<b>Financial Impact</b>	Include the financial savings associated with reduced energy consumption, as well as any avoided costs related to emissions (e.g., carbon taxes, penalties).
<b>Qualitative Reporting</b>	<b>Sustainability Goals</b>	Explain how VAAS contributes to the organisation’s broader sustainability goals, such as reducing carbon footprint, improving energy efficiency, and supporting renewable energy integration.
	<b>Stakeholder Benefits</b>	Highlight the benefits to stakeholders, including reduced environmental impact, enhanced operational efficiency, and cost savings that can be reinvested in further sustainability initiatives.



Key Element	Action	Description
	<b>Alignment with SDGs</b>	If applicable, align VAAS energy savings performance with relevant United Nations Sustainable Development Goals (SDGs), such as SDG 7 (Affordable and Clean Energy) and SDG 13 (Climate Action).
<b>Methodology and Assurance</b>	<b>Measurement and Verification (M&amp;V)</b>	Describe the methods used to measure and verify VAAS energy savings performance, such as those outlined by the International Performance Measurement and Verification Protocol (IPMVP). Ensure transparency in how energy savings and emissions reductions are calculated.
	<b>Third-Party Assurance</b>	Consider obtaining third-party verification of the VAAS energy savings performance data to enhance credibility. Independent audits can validate the accuracy of reported savings and the methodologies used.
<b>Reporting Format</b>	<b>ESG Reports</b>	Integrate VAAS energy savings performance into the organisation's annual ESG or sustainability report. Use clear and consistent formatting, including tables, charts, and graphs, to present data.
	<b>Disclosure Platforms</b>	Report VAAS energy savings performance on recognised ESG disclosure platforms such as the Carbon Disclosure Project (CDP) or the Global Reporting Initiative (GRI) database, where stakeholders can access and compare data.
<b>Continuous Improvement</b>	<b>Set Future Targets</b>	Use current VAAS energy savings performance data to set future targets for energy savings and carbon reductions. Outline plans for expanding or improving VAAS initiatives as part of a continuous improvement strategy.
	<b>Feedback Mechanisms</b>	Implement feedback loops where stakeholders can provide input on the VAAS program's effectiveness and how it supports the organisation's ESG goals.

## Conclusion

Reporting VAAS's energy savings performance in a way that satisfies ESG requirements involves a comprehensive approach that combines quantitative and qualitative data, aligns with recognised ESG frameworks, and includes transparent methodologies.

By integrating VAAS's energy savings performance into ESG reporting, organisations can demonstrate their commitment to sustainability and responsible energy management, while also providing stakeholders with credible and actionable insights.

VAAS can provide a very useful contribution to a company's plans to meet its Carbon emission targets, as well as reporting requirements. VAAS 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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