

I&E INDUSTRIES & ENVIRONMENT

SGS Climate Change Solutions

Energy management solutions to help improve efficiency in your operation

SAFER
GREENER
SMARTER

SGS



Towards net zero

Forward-thinking organizations are concentrating on net zero and reaching their climate pledges. Reducing energy consumption is one of the core pillars for cutting operational GHG emissions.

Energy efficiency

Companies can make substantial gains in terms of reducing operational GHG emissions by simply cutting back on energy consumption.
A proactive approach to energy management might start with quick fixes (e.g., LED lighting), move onto major system upgrades, and continue with an acceleration in renewable energy procurement.



SGS solutions

Our comprehensive range of energy efficiency solutions support your organization as it moves toward net zero.

Services include:

- Detailed energy audits to assess the site performance and identify improvement opportunities
- Portfolio scan to target assets within a portfolio
- Metering, monitoring and targeting
- BMS optimization
- Measurements and verification of projects
- ISO 5001 readiness assessment

We work in partnership with you during audits – defining the scope, gathering accurate data at an agreed time and delivering a trustworthy report that incorporates:

- Energy load and consumption by area
- Identification of energy saving opportunities
- Cost/benefit analysis and opportunity ranking based on payback period with standardized checks

Net zero



UNDERSTAND YOUR EMISSIONS

Calculation of your GHG emissions should cover direct and indirect emissions, including value chain emissions both upstream and downstream. Value chain emissions are the hardest to tackle as they sit outside your direct control but, more often than not, represent your biggest impact. Scope 3 emissions' accounting is a journey that can start with approximations based on a robust methodology and consistent assumptions. SGS can help you with methodology and assumption to identify hotspots (Mapping) and design a purposeful data capture strategy. Delaying assessments of scope 3 emissions because data is not readily available will negatively affect your net zero ambition and blind investors.



UNDERSTAND YOUR PORTFOLIO EMISSIONS

Further quantification and data quality improvement on Scope 3 emissions can also be achieved, especially for manufacturing companies, carrying out Product Carbon Footprints or Lifecycle Assessments (LCA). While the organizational Scope 3 footprint has a more holistic approach ti upstream and downstream impacts, the product footprint identified hotspots of specific products and allows for comparison with similar products. Organizational Scope 3 footprint and product footprint are complementary and mutually beneficial in assessing risks and opportunities linked to decarbonization of supply chains.



SET YOUR TARGETS

A robust baseline and a coherent carbon management and data collection system are the pre-requisite to set achievable and incremental reduction targets. The Net Zero Standard call for targets in line with science and sets near and long-term minimum ambition requirements. When setting targets, consider the feasibility of your decarbonization initiatives, place priority on those achievable in the near term.



IMPLEMENT AND COMMUNICATE

There is no one size fits all when it comes to implementing decarbonization plans as each industry faces different challenges. Nonetheless, some key initiatives are common to all: demand-side measures include lowering the demand for primary resources by increasing circularity, increase energy efficiency, consider the use of renewable energy, replace feedstock or fuels with more sustainable options, reduce water consumption and waste. Verify and disclose your progress data with confidence.

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