

Case Study.
Equipment Manufacturer.
Switzerland.
Manufacturing.

Building a decarbonisation strategy: Reducing scope 1 & 2 emissions for a global manufacturer

Context

A leading global supplier of substrate processing, printing, and converting equipment, with operations in over 50 countries, committed to reducing its scope 1 and 2 emissions by 42% by 2030 under Science Based Targets (SBTi). This ambitious goal highlighted the need for actionable steps to avoid compliance, financial, and reputational risks while achieving meaningful progress.

Challenge

The company struggled to define a clear path to meet its emission reduction targets effectively. To address this, the client partnered with dss+ to identify specific initiatives at individual sites, evaluate their carbon reduction potential and financial feasibility, and ensure practical implementation through collaboration with site facility managers.

dss+ approach

dss+ collaborated with the client to develop a comprehensive list of initiatives to enable them to achieve their SBTi commitments:

- Analysed data from three sample sites and conducted staff interviews.
- Created a master dataset and interactive Power BI dashboard to visualise energy consumption, quantify emissions and identifying areas for further investigation.
- Evaluated existing and planned initiatives, identifying 31 of them (energy efficiency, switch to biomass or electrification of heating equipment, among others) as a high focus for group best practices; identified additional actions based on cost-benefit and sustainability.



- Assessed initiatives by their impact on energy use, costs (CAPEX, OPEX), and savings, enabling objective emissions comparisons.
- Conducted a survey to gauge staff perspectives, using the dss+ Bradley Curve™ to identify maturity gaps and corrective actions.
- Led workshops to align on required initiatives, create optimised roadmaps, and define enablers for successful implementation.

The project began as a pilot at three sites and is now being expanded across the organisation.



Assignment

Analyse and research energy-reduction initiatives to support the client's SBTi commitments.



Offering

- Carbon footprint assessment;
- Energy transition and decarbonisation roadmap.



Impact

- A pilot on three sites, covering ~35% of the group's scope 1 and 2 emissions, set the foundation for scaling initiatives;
- 18% shortfall – representing the gap between the targeted emissions reduction and the actual emissions projected for 2023 – was avoided, ensuring the achievement of the 2030 commitment.

dss+

Protect. Transform. Sustain.

[linkedin.com/company/consultdss](https://www.linkedin.com/company/consultdss)

twitter.com/consultdss

[youtube.com/consultdss](https://www.youtube.com/consultdss)

[instagram.com/consultdss](https://www.instagram.com/consultdss)

www.consultdss.com