



ALS Global Net Zero Commitments & Roadmap in Support of our Staff, Clients, Communities & Shareholders

ALS recognizes that Climate Change is one of the defining issues of our time and we strive to make Impact through Action in the areas of Sustainability, linked to the ALS core value of Caring.

ALS intends to make the world a better place through innovation, science, and commitment to best practice. Last year (2023) the ALS Global Board has signed off on a company commitment to Net Zero by 2050 as summarized on our [annual sustainability report](#) (hyperlinked next page). ALS is pleased to share our milestones and targets with clients.

Background

In 2021, ALS Global developed a climate change strategy, setting a target of 40% reduction in scope 1 & 2 emissions by 2030. By end of FY23 (March 2023), ALS had achieved a 58% reduction, and achieved carbon neutrality for scope 1 & 2 emissions - well ahead of plan. In the same month, ALS recorded a key milestone with the ALS Global Board approving our roadmap to reach Net Zero by 2050 (shared at right), with milestones noted and completed actions shaded green.



Further detail

Key projects to date have included purchasing Renewable Electricity (RE) from the grid (we utilize greater than 90% RE across all operations globally), installing >1.8MW of solar photovoltaic (PV) systems across 16 site locations worldwide, and continued implementation of our ALS Green Building Standards, which focus on HVAC systems (heat, ventilation and air conditioning), building insulation, LED lights, energy efficient plant and equipment, moving to electric vehicles (EVs), and staff engagement on adopting climate friendly practices to reduce actual energy demand.

This ALS Global Net Zero commitment will involve reducing absolute scope 1 and 2 emissions by 95% and scope 3 emissions by 90% by 2050, against a 2020 baseline year. This is a challenging task for laboratory operations given requirements for chemical, plastic, and glassware usage, and significant air heating and cooling requirements due to fume hoods which cause frequent cycling of laboratory air. The ALS Global Roadmap includes a near-term target to reduce absolute scope 1 and 2 greenhouse gas emissions by 78% by 2030 against a 2020 baseline year. Over the next 2 years ALS will measure our scope 3 greenhouse gas inventory to confirm the calculated scope 3 estimate completed in FY2023 and will develop action plans for freight, purchased goods/services, wastes, and employee commutes. A near-term target for 2030 for scope 3 will then be set.

Priority actions over the next 5 years will include:

- Purchasing renewable electricity for >95% of our operations
- Installing further solar energy PV systems (7 more installed YTD for FY24 with a further 9 systems to be completed in early FY25)
- Converting gas ovens and furnaces to electric where possible
- Selection of more energy-efficient vehicles; 30% of fleet to be hybrids and EVs by 2030
- Upgrading to ALS green building guidelines for new laboratory developments and refurbishments (better insulation, more efficient HVAC, solar PV systems, and upgraded building management systems)



What does scope 1, scope 2 and scope 3 mean?

Scope 1, 2 and 3 are defined in the Greenhouse Gas Protocol (GHG protocol), which is an international standard in the public and private sector for measuring and reporting greenhouse gas emissions.

Scope 1: Scope 1 includes emissions that occur directly in the company's own operations or from sources controlled by the operations. For example, from burning gas for heating and own car transport.

Scope 2: Scope 2 includes indirect emissions from the production of energy that is consumed within the business, such as purchased electricity and energy to heat/cool buildings.

Scope 3: Scope 3 covers all other indirect emissions that occur in a company's value chain but originate from sources that the company does not own or control.

We are pleased to share our commitments with our stakeholders. Please feel free to contact ALS Laboratory Group Norway AS for further information.