

Complete Carbon Measurement

Reduce carbon. Reduce risk. Reduce cost.

Overview

In the current climate every business must ensure it manages costs. Investors scrutinise company reports for carbon related risks and regulators are becoming increasingly active in the area, setting out frameworks such as the Carbon Reduction Commitment that will affect many companies. Judging these multiple requirements can seem daunting but the carbonReduction programme and CEMARS certification is designed to meet them all.

About CEMARS

CEMARS (Certified Emissions Measurement and Reduction Scheme) is the world's first internationally accredited greenhouse gas certification scheme to ISO 14065. It was developed by Landcare Research (a Crown Research Institute owned by the New Zealand Government) based on 15 years scientific research by greenhouse gas experts.

CEMARS covers all six internationally recognised greenhouse gas emissions. It is a comprehensive standard requiring all Scope 1 and 2 greenhouse gas emissions to be reported as well as four mandatory Scope 3 emissions sources (Business travel, Freight, Waste to landfill and Water and wastewater use).

A client's inventory is verified to ISO14064-1 as well as CRC Energy Efficiency requirements to achieve the Early Action Metric where required.



Programme Elements

The programme is designed to empower an organisation to credibly measure, manage and reduce their carbon emissions. It includes:

- *Step-by-step guidance*

The guidance is harmonised with leading standards such as the GHG Protocol and ISO14064-1 as well as UK specific regulations. It will enable you to:

- Establish inventory scope and boundaries
- Identify appropriate data sources
- Utilise recognised reporting methodologies
- Complete an ISO-compliant Disclosure Statement, Emissions Inventory and Reduction Plan

- *Access to online software*

E-Manage is an online tool to store and collate emissions data. With the software you can:

- Calculate your footprint by business unit, office location or by project using up-to-date emission factors
- Give access to an unlimited number of users
- Set Key Performance Indicators and track relative emissions
- Produce emissions inventory data

- *Independent verification and ISO certification*

An independent audit is undertaken by Achilles to the CEMARS standard. A certificate and assurance statement are provided certifying that your emissions inventory and reduction plans are ISO14064-1 compliant.

Benefits of CEMARS

- Understand how to measure, manage and reduce your carbon emissions
- Achieve efficiency savings from emission reductions
- Promote your greenhouse gas emissions measurement, management and reduction with an internationally recognised ISO certification
- Defend your claims about your emissions and reduction plans with verified information
- Get the CRC Early Action Metric if reductions can be demonstrated
- Provide data to support your regulatory submissions (eg. EU ETS, CRC Energy Efficiency Scheme)
- Provide data for your corporate responsibility reporting such as GRI and GDP

Programme Structure

Step 1: Register with Achilles

On registration to the carbonReduction programme, you will receive programme guidance materials which you need to read. You will also receive log-in details to the online software tool E-Manage. Achilles will provide a demonstration of the E-Manage tool to help you get started.



Step 2: Measure 1, 2, 3

Using the guidance provided, you:

- Set your organisational scope and boundaries
- Collect your organisation's greenhouse gas emissions data
- Enter data into E-Manage tool
- Calculate your organisation's carbon footprint



Step 3: Manage

You develop an Emissions Management and Reduction Plan and set targets.



Step 4: Audit

You undergo a two-stage audit by one of Achilles' greenhouse gas auditors:

- Stage 1: Assessment of Scope and Boundaries and data collection
- Stage 2: Review of completed templates and data sources



Step 5: Certification

Successful organisations receive certification to ISO14064-1.

The certificate is valid for 15 months from the end of the verified emissions inventory report period.

Annual assessment is required to ensure an organisation is credibly measuring, managing and working to reduce emissions year-on-year.

To retain CEMARS certification an organisation must demonstrate absolute reductions (Scope 1 and 2) or relative reductions (Scope 1, 2 and 3) over five years.

CRC Compliance

The programme is designed to meet an organisation's CRC compliance needs. The scheme guidance is harmonised with CRC requirements, the software has CRC functionalities and the independent verification can provide assurance for the CRC annual report.

CEMARS is the first standard to be recognised by the Environment Agency as a Carbon Trust Standard Equivalent in the CRC Energy Efficiency Scheme.

This means it can be used as an Early Action Metric in the CRC Energy Efficiency Scheme provided an organisation can demonstrate either an absolute emissions reduction or a total relative carbon intensity improvement equivalent to at least a 2.5% annual relative reduction each year over a three year period.

Why should you choose CEMARS?

- Set up your organisation to meet its **long-term carbon measurement and reporting needs** as well as current regulatory requirements such as the CRC
- Achieve **internationally recognised certification** harmonised with global standards
- Participate in a **complete carbon programme** including software, reporting templates and best practice examples

Next Steps

- Register your interest and obtain a quote
 - Contact Achilles on 01235 838188
 - Register interest at www.achilles.com/carbonfootprint
- Gap analysis
 - One of Achilles' greenhouse gas auditors can provide a one-day assessment to assess your organisation and what is needed to attain CEMARS certification
- Consultancy
 - To ensure the independence of its audits, Achilles does not provide consultancy. However, Achilles has trained three consultancies to provide CEMARS consultancy if required:
 - o Atkins
 - o Best Foot Forward
 - o Deloitte