

TECH OFFER

First Steps in Measuring Your Carbon Footprint



KEY INFORMATION

TECHNOLOGY CATEGORY:

Sustainability - Low Carbon Economy

TECHNOLOGY READINESS LEVEL (TRL): **TRL9**

COUNTRY: **SINGAPORE**

ID NUMBER: **TO175344**

OVERVIEW

This technology solution empowers organisations to easily calculate and visualise their Scope 1 and Scope 2 carbon emissions by responding to a series of straightforward, user-friendly questions. It provides a powerful and accessible starting point for companies seeking to understand and manage their carbon footprint, enabling them to make informed decisions toward sustainability goals. By simplifying the often complex emissions tracking process, this solution supports businesses of all sizes in taking meaningful first steps on their journey towards environmental responsibility and climate action.

This solution is accessible to all users looking to understand their carbon footprint.

TECHNOLOGY FEATURES & SPECIFICATIONS

This technology solution simplifies the process of carbon footprint calculation by guiding users through a series of easy-to-understand questions about their business activities. The collected information is automatically converted into measurable

carbon emissions data. Users can access and explore this data through an intuitive online analytics tool, gaining valuable insights into both their organisation's direct emissions (Scope 1) and the emissions associated with purchased energy (Scope 2). This powerful platform enables businesses to better understand their environmental impact and take informed steps towards more sustainable operations.

This solution follows the Greenhouse Gas Protocol, which is globally recognised and the most widely used framework for carbon footprinting. By leveraging the software, you can easily determine whether your organisation is required to report under the National Environment Agency (NEA)'s Measurement and Reporting (M&R) requirements.

POTENTIAL APPLICATIONS

The software features an online survey that matches user responses to an emissions factor database and presents the analysis on a dashboard. It is designed for any organisation, across any sector, that is taking its first steps in measuring and reporting carbon emissions.

UNIQUE VALUE PROPOSITION

This solution makes carbon footprint measurement truly accessible and easy to use for anyone — no industry or technical knowledge is required. By answering a few simple questions, any organisation can quickly generate a credible Scope 1 and 2 carbon footprint, supported by powerful analysis and visualisation tools.

The powerful analysis converts the answers to your questions into the internationally recognised GHG Protocol Framework. From there, you can view an overview of your direct emissions and break them down by emission source and location—particularly useful for multi-site organisations. The same can be done for your purchased electricity and/or cooling. By understanding your organisation's emission levels, you can begin taking steps to reduce them. Use this Scope 1 and 2 analysis as the foundation of your carbon measurement and reduction strategy.