



Pantas Carbon Emissions for
January 1, 2021 - December 31, 2021

Total Carbon Emissions: 42.3 tCO₂e

Scope 1⁽¹⁾

Not Applicable

Scope 2

Category	tCO ₂ e
Location-based ^(2,3)	2.2
Market-based	N/A
TOTAL	2.2

Scope 3⁽⁴⁾

Category	tCO ₂ e
Purchased goods & services	1.7
Capital goods	26.6
Business travel	0.3
Employee travelling	11.5
TOTAL	40.1

⁽¹⁾Pantas does not report any Scope 1 emissions for 2021. Pantas does not own any buildings, facilities and/or company vehicles. Emissions from Physical or Chemical Processing (Scope 1), such as air conditioner refrigerants are negligible for Pantas.

⁽²⁾ Scope 2 emission factors are sourced from "2017 CDM Electricity Baseline for Malaysia" published by the Malaysian Green Technology And Climate Change Corporation.

⁽³⁾Pantas adopts the location-based method in calculating electricity. Pantas purchases electricity from the Tenaga Nasional Berhad (TNB) grid and does not have a choice in terms of source of electricity.

⁽⁴⁾Scope 3 emissions currently reflect categories that are applicable to Pantas' operations. Pantas develops cloud-based software and does not produce or sell any physical products.

Pantas TCFD Carbon Reporting

Pantas' approach to carbon emissions is aligned with the GHG Protocol Standards, and uses the operational control approach to determine carbon emissions boundaries. The environmental data covers all of Pantas' financial operation boundaries.

Emission factors used to calculate carbon emissions are derived from, or in reference to, the Intergovernmental Panel on Climate Change (IPCC) emission factor database and are from relevant sources such as IPCC, EPA, DEFRA, EXIOBASE, etc.

Strategy

As a cloud based software, Pantas helps clients decarbonise in a variety of ways:

- Pantas Green Solutions Carbon Accounting Software helps companies to measure, manage and disclose their carbon emissions. Companies are able to identify major sources of emissions and devise ways to reduce them via Pantas. Pantas also assists companies in formulating decarbonisation targets in order to achieve net zero and provide companies access to green investment and financing
- E-invoicing and billing platform reduces the need for manual invoicing methods and paper-based invoicing, users are able to switch to a digitalised process that not only reduces the carbon footprint of paper and printing, but also reduces business costs

Pantas' has many climate-related opportunities as a cloud-based software. As the economy shifts towards a 2°C economy, investors, customers and regulatory bodies will place a higher emphasis on climate disclosure. The adoption of Pantas Solutions is loosely linked to governments, corporations and international authorities who push for digitalisation and carbon disclosure reporting. This will drive the adoption of Pantas' software.

Pantas will assist companies in their climate disclosure and reporting requirements to ensure that they are ahead of upcoming regulations and are in line with international reporting frameworks.

Pantas is committed to its decarbonisation journey and is confident in its abilities to achieve its SBTi (Science Based Targets initiative) targets. As a cloud-based software, Pantas is able to withstand most changes in the market which may affect the value chain of other products. We provide intangible goods and services which allow companies to increase their marketability.

Governance

The management and board-level of Pantas is heavily involved in the decision making process of the organisation's activities. The board often discusses climate change and the effects of company-wide and employee-specific activities on climate change. Decisions which affect the direction and drive of the company to adopt net-zero policies and adopt SBTi are driven at the board level. Furthermore, as the management team at Pantas understands the importance of aligning to a net zero pathway and is mobilising employees to do the same. Employees are motivated to reduce their carbon footprint both inside and outside of the workplace.

With Pantas Green Solutions, the Pantas team acknowledges the increase in demand for such solutions and believes that an automated tool for companies to calculate their greenhouse gas (GHG) emissions is a necessity, especially within the region. Most companies lack the required knowledge to calculate their carbon footprint, resulting in miscalculations and missed opportunities in reducing emissions. Pantas aims to bridge this gap to enable companies to accurately manage, disclose and set tangible GHG targets.

Risk Management, Metrics and Targets

Pantas Carbon Accounting Software is built on international reporting standards and frameworks such as GHG Protocol, GRI and TCFD. Emission factors are based on international sources such as the EPA, IPCC, DEFRA and Exiobase. Local emission factors are used whenever possible, such as for the national grid electricity by Tenaga Nasional Berhad (TNB), the main electricity supplier on Peninsular Malaysia. All calculations and methodologies are in line with the GHG Protocol. Pantas will update all relevant data and methodology within the software based on any changes in international standards or datasets.

As reporting requirements change and become more stringent, companies will struggle to keep up with the standards and abide by the requirements. This will drive the adoption of Pantas Green Solutions not just within the Southeast Asia region, but also globally.

Pantas hopes that the increased regulations will result in more regionally-specific emission factors being developed and calculated, which will increase the accuracy and relevancy of Pantas Carbon Accounting for companies.

Pantas has pledged and validated its targets with SBTi. The targets are as follows:

Pantas Software Sdn. Bhd. commits to reduce scope 1 and scope 2 GHG emissions 38% by 2030 from a 2021 base year, and to measure and reduce its scope 3 emissions. Pantas Software Sdn. Bhd. also commits to reach net-zero greenhouse gas emissions across the value chain by 2033 from a 2021 base year.

Based on the 2021 baseline year calculations, Pantas will continue to adopt green practices whenever possible. The Pantas team engages in internal reviews of its emissions, targets and metrics regularly (>2x/year).