



Pantas Carbon Emissions for  
January 1, 2022 - December 31, 2022

Total Carbon Emissions: 35.599 tCO<sub>2</sub>e

Scope 1<sup>(1)</sup>

Not Applicable

Scope 2

Category	2021 (tCO <sub>2</sub> e)	2022 (tCO <sub>2</sub> e)
Purchased electricity (Location-based) <sup>(2,3)</sup>	2.2	6.753 <sup>(4)</sup>
TOTAL	2.2	6.753

Scope 3<sup>(5)</sup>

Category	2021 (tCO <sub>2</sub> e)	2022 (tCO <sub>2</sub> e)
Purchased goods & services	1.7	15.242
Capital goods	26.6	N/A <sup>(6)</sup>
Waste generated in operations	N/A	0.147
Business travel	0.3	4.061
Employee travelling	11.5	9.397
TOTAL	40.1	28.846

<sup>(1)</sup> Pantas does not report any Scope 1 emissions for 2022. 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.

<sup>(2)</sup> Scope 2 emission factors are sourced from "Grid Emission Factor (GEF) in Malaysia, 2017-2019" published by the Malaysian Energy Information Hub.

<sup>(3)</sup> 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.

<sup>(4)</sup> Pantas's 2022 Scope 2 emissions tripled from 2021 due to the inclusion of a full year's electricity consumption, unlike 2021 which only accounted for October to December as Pantas only moved into its office in October 2021.

<sup>(5)</sup> 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.

<sup>(6)</sup> Pantas did not purchase any additional capital goods in the 2022 year.

## 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.

Pantas baseline emissions are from the 2021 base year.

### Strategy

Pantas has positioned itself as a facilitator in the global journey towards decarbonisation with its cloud-based software offerings. This software helps companies pinpoint major emission sources and strategise ways to minimise them.

Our strategy includes a commitment to reduce our GHG emissions in line with our Science Based Targets initiative (SBTi). We understand the urgency to transition to a lower-carbon economy and are committed to playing our part in limiting global warming.

Our strategic approach includes:

- Energy Efficiency: Utilising renewable energy sources and implementing energy-efficient practices in our cloud-based solutions, we aim to decrease our Scope 2 emissions.
- Supplier Engagement: Engaging with suppliers to reduce Scope 3 emissions from purchased goods and services.
- Mobility Management: Promoting low-carbon commuting and business travel to our employees.

We are also working on integrating climate change scenarios into our strategic planning to ensure the resilience of our business in a low-carbon economy.

### Governance

The Board of Directors at Pantas has established oversight responsibilities for climate-related risks and opportunities. The board regularly reviews and approves the company's climate change policy, carbon reduction strategy, and related KPIs. Our Sustainability Officers work closely with the company to ensure that our climate change commitments are integrated into the company's overall strategy and risk management processes.

At Pantas, climate change considerations are a fundamental part of decision-making processes at the management and board levels. Frequent discussions around the implications of company activities on climate change steer the adoption of net-zero policies and SBTi alignment. Recognising the importance of a net-zero pathway, the management encourages employees to minimise their carbon footprint, fostering a culture of sustainability.

### Risk Management, Metrics and Targets

Pantas Solutions is grounded in international reporting standards and frameworks such as the GHG Protocol, GRI, and TCFD. The software uses emission factors from credible sources, including the EPA, IPCC, DEFRA, and Exiobase, supplemented by local data like the national grid electricity emission factors from Malaysia's Energy

Information Hub. Any updates in international standards or datasets are promptly incorporated into the software's methodologies and calculations.

Given the evolving and increasingly stringent reporting requirements, companies might find it challenging to stay compliant. Pantas anticipates that tighter regulations will lead to the development of more region-specific emission factors, thereby enhancing the precision and relevance of Pantas Climate Solutions for companies.

Pantas has validated its targets through SBTi, committing to:

- Reduce Scope 1 and Scope 2 GHG emissions by 38% by 2030 from a 2021 base year.
- Measure and reduce Scope 3 emissions.
- Achieve net-zero greenhouse gas emissions across the value chain by 2033 from a 2021 base year.

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This report is prepared in accordance with the Task Force on Climate-related Financial Disclosures (TCFD) recommendations and reflects our commitment to transparency and our actions towards mitigating climate-related risks and maximising the opportunities related to a low-carbon economy.