

Sustainability Report

Energy Management



Related UNSDGs:



WHY IS THIS IMPORTANT?

Energy consumption occurs across all our operational facilities and construction sites. Acknowledging that resultant carbon emissions can impact climate change, the Group recognises that effective management is crucial for minimising our environmental footprint.

Protasco firmly believes that incorporating effective energy management is crucial for a company’s climate change agenda. This approach not only addresses environmental concerns but also aligns with financial goals, ensures regulatory compliance, enhances corporate reputation, and positions the company for long-term sustainability.

OUR APPROACH

As a Group, Protasco is dedicated to identifying avenues for reducing our energy consumption, and we have taken measures such as installing energy-efficient LED lights, implementing good housekeeping practices (including turning

off lights and equipment when not in use), and maintaining air conditioning units at a consistent temperature between 22 to 24 degrees Celsius. To reinforce these practices, employees undergo awareness training, and we consistently monitor our energy consumption levels. Moving forward, these initiatives will be further improved and wherever possible data captured for monitoring purpose across the Group.

As part of the Group’s ESG initiative, the Clean Energy BU has installed solar panels within De Centrum City where some of the BUs such as Property Development and Construction Segment, Engineering & Consultancy Services segment, Education segment, and Corporate Office operates with a total capacity reported as 1,159,024.45 kWh for FY2023.

As part of our commitment to achieving National Net Zero Emissions, we have formulated four strategies, with one specifically targeting the reduction of emissions through the management of electricity consumption. This 5-year plan, commencing in FY2024, aims to provide a comprehensive overview of the Group’s endeavours in minimising emissions through Scope 2.

OUR PERFORMANCE

As of 31 December 2023, the total electricity consumption (renewable and non-renewable) as a Group is 3,845,689.23 kWh. The breakdown of the energy based on last 3 years is presented below.

No.	Details	FY2023	FY2022	FY2021
1.	Amount paid for the energy consumed	RM1,806,985	RM1,313,977	RM390,000
2.	Total energy consumption (kWh/MWh) from non-renewable sources	2,686,664.78	2,602,049	1,182,746.34
3.	Total energy consumption (kWh/MWh) from renewable sources	1,159,024.45	436,814	N/A
4.	Total energy consumption (kWh/MWh) from renewable and non-renewable sources	3,845,689.23	3,038,864	1,182,746.34
5.	CO ₂ emission avoidance based on consuming solar energy (tonnes)	690.78	260.34	N/A

Over the past 3 years, there have been improvements in data collected from within the BUs under the Group. In FY2023, energy consumption data had been meticulously recorded from the primary operational areas. Moving forward, our efforts will broaden as we extend data collection to encompass additional operating areas within each BU.

It is important to note here that the energy consumption data collected and presented in this report for FY2021 pertained only to the BUs operating within De Centrum City. Therefore, it would not be appropriate to use FY2021 data for Group-wide comparisons with FY2022 and FY2023.

