

MEASUREMENT OF ENERGY PERFORMANCE IN AN ORGANIZATION TO REDUCE CARBON FOOTPRINT

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ABSTRACT

The term 'Carbon Footprint' is widely used these days due to its importance and impact on the earth and its atmosphere. Researchers and scientists have been constantly looking for ways to reduce the carbon impact on earth over the years. After realizing how bad it can affect the earth's atmosphere and the living organisms, Carbon Dioxide Reduction Activities have been taken out very seriously. A lot of countries including Malaysia have adopted voluntary national reduction of Carbon Dioxide with the aim to reduce the Carbon Dioxide Emission Levels by 40% in 2020 compared to the 2005 levels. Carbon Dioxide (CO₂); the major Greenhouse Gas (GHG) which is highly considered as one of the major Global Warming Gases (GWP) too must be reduced in terms of its existed already on earth's atmosphere together with its emission rates. To do so, Carbon Footprint must be carried out at any organization that must reduce the CO₂ emission levels to meet the standard emission rates set by the government. To perform Carbon Footprint, the most important thing is to be able to measure/calculate the CO₂ emission from different sources of the organization so it can look for the ways to reduce it.