

> THE CARBON FOOTPRINT

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Carbon Footprint is an environmental metric that measures and calculates the total green-house gas emissions generated directly or indirectly by individuals, organizations, products, events or geographic regions. It is measured in mass of CO₂ equivalent (CO₂e or CO₂eq). It is used this way because CO₂ is the most abundant gas among the Greenhouse Gases and is used as a reference in the measurement of the rest of the elements. The correct management of CO₂ serves as a useful tool to know the actions or behaviors that are contributing to increase emissions, and to see how we can improve them and make a more efficient use of resources.

The carbon footprint was created as a measure to quantify and generate an indicator of the environmental impact of a given activity or process on climate change. It can be focused or approached from different specific aspects or scopes, which are internationally recognized, for example:

Corporate Focus

This consists of evaluating the carbon footprint of an organization over a given period of time, usually a calendar year. It is mainly used to prepare corporate reports, which serve as a basis for communicating the company's climate change performance to all stakeholders (suppliers, customers, investors, government, among others). For proper management, the corporate carbon footprint groups greenhouse gas emissions into 3 scopes:

Direct emissions: are emissions from sources owned or controlled by the organization.

Indirect emissions from energy consumption and distribution: correspond to emissions associated with the consumption of electricity and/or steam generated by third parties.

Other indirect emissions: emissions are emissions that are not owned or controlled by the organization.

At **Nakasawa Mining & Energy**, with the incorporation of the new Super Matroid Technology (SMT) to our equipment and systems, we are directly contributing to a considerable reduction of the Carbon Footprint of our organization.

