

CHARTER OF RESPONSIBLE INNOVATION



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This document applies to Pac Team SA.

INTRODUCTION

Responsible innovation (a socio-economic concept) is a multi-criteria approach intended to:

- ∇ Reduce or eliminate the environmental impact of a product;
- ∇ Ensure the health and safety of the workers who produce it and the consumers who use it.

The following criteria are applied:

- ∇ The carbon footprint of the product,
- ∇ The volume of material used,
- ∇ The energy consumed in production,
- ∇ The proportion of components recycled at the end of its service life.

Specifically, this means:

- ∇ Measuring the various environmental impacts with a socio-economic concept tool.
- ∇ Reducing or eliminating impacts by using material with a low carbon footprint, improving the energy efficiency of the product through its full work sequence, and facilitating the recycling of a product at the end of its service life.

MAIN THEMES OF THE CHARTER OF RESPONSIBLE INNOVATION

For the Pac Team Group, responsible innovation has 6 major axes:

1. Choice of raw materials:

- ∇ When choosing materials, consider the downstream impacts of production (during sourcing, transportation, use and end-of-life);
- ∇ Ordering materials in a way that reduces waste and minimizes the distances travelled in the supply chain.
- ∇ Give preference to materials from sources that are renewable, abundant and managed sustainably in a socially responsible manner.
- ∇ Avoid the use of materials that can have negative impacts on the environment and the health of workers and others, during production, usage and treatment or disposal at the end of a product's service life.
- ∇ Prefer certified materials and materials that comply with European regulations.

2. Product concept:

- ∇ Optimize dimensions and thicknesses to reduce material consumption and carbon impact during transportation;
- ∇ Simplify product design and favor single material designs for more efficient recycling;
- ∇ At the product development stage, anticipate the dismantling and/or re-use of a POS product.
- ∇ At the product development stage, consider the health and safety of production workers and users.

3. Manufacturing:

- ∇ Give preference to partners who are certified or comply with environmental protection and occupational health and safety standards;
- ∇ Prefer less energy-consuming/polluting manufacturing processes;
- ∇ Optimize machining or assembling operations to reduce the consumption of materials.

- ∇ Take into account the health and safety of operators from the design of machining or assembling operations and its impact on the life cycle of products.

4. Packaging:


- ∇ Design or use the transportation packaging according to the same socio-economic principles followed in creating the products themselves;
- ∇ Limit the use of plastic materials and favour packaging made entirely of FSC recycled paper/cardboard;
- ∇ Reduce the weight of tertiary packaging and pallets as much as possible.

5. Distribution

- ∇ Optimize the loading rate to increase the filling of trucks and ships (double deck etc.);
- ∇ Anticipate creation and production schedules to avoid air transport while favouring sea transport.

6. Recycling

- ∇ Optimize scrap recycling;
- ∇ Allow manual separation of electronic components;
- ∇ Allow the separation of different materials for recycling;
- ∇ Suggest disassembly guides to our customers.



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