



# CARBON REDUCTION INSTITUTE CASE STUDY: BIO PAK

## Packaging and the Environment

Packaging is a vital input into many industries. Beyond food and beverage; practically everything that we buy contains some form of packaging to protect it during delivery from production site to where we (as consumers) buy it. Given that the packaging sector intersects with most other industries in the economy, it can potentially influence and be the conduit by which others take action on environmental issues such as climate change. Unlike the vast majority of packaging options (such as plastic, glass, metals and many paper types), BioPak is different. BioPak packaging is derived from renewable materials; meaning that it can drive its resource impact on the earth to zero. BioPak is taking this commitment one step further by certifying its products and its operations as NoCO2; meaning that they are now also carbon neutral.

## BioPak

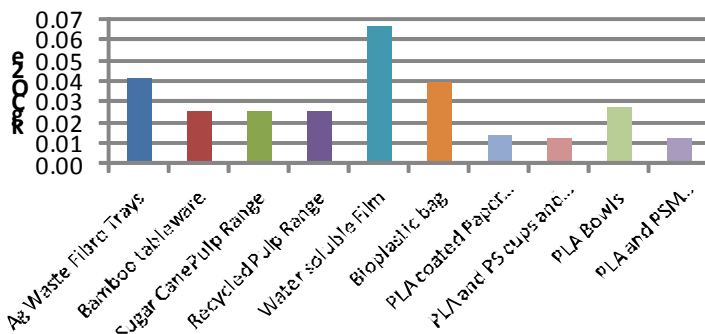
BioPak was born out of the desire to provide packaging solutions while serving broader missions of environmental stewardship, social justice and consumer education. BioPak provides Australian companies environmentally friendly solutions by supplying ecologically compatible raw materials that do not negatively affect a products economic, social or practical usefulness.

In addition to BioPak's wide range of biodegradable materials, its dedicated sales, market development and technical specialists work hand-in-hand with manufacturers, processors and end users. They provide assistance with new product applications, product development and prototyping, together with product performance testing and processing support.

Beyond the renewable materials they use and their customer service, BioPak have extended their environmental commitment to their carbon footprint. They had a carbon audit conducted by the Carbon Reductions Institute which revealed their climate change impact (as well as that of their products). A breakdown of the greenhouse gas emissions sources is shown below. BioPak then offset 100% of these emissions through the purchase of carbon offsets.



**Carbon Footprint of BioPak's Products**



BioPak purchases carbon offsets to offset the impact of their business. These carbon offsets support projects that help developing countries reduce their footprint. The offsets are verified carbon offsets generated by the Haryana Renewable Energy Project.

This project purchases agricultural waste such as rice husks from local farmers and then burns this waste in a biomass generator set, supplying a reliable source of power to this rural area and displacing coal fired power plants.

These carbon offsets have been verified against the Voluntary Carbon Standard, one of the world's leading third-party verification benchmarks, and correspond to real, permanent, verified and additional reductions in greenhouse gas emissions.

## NoCO2 Certification

The NoCO2 standard is the highest level of certification offered by the Carbon Reduction Institute. It means that a company has completely removed its climate change impacts. NoCO2 certified companies can display the NoCO2 and Carbon Neutral logos to market and communicate the climate change actions they have taken. Certification is metered through an audit by our engineers that determines your operational emissions, the purchase of carbon offsets and a monitoring process that ensures that your company continues to leave a zero carbon footprint.

