

Sustainability Manifesto

B-Plas Sbrl is an innovative start-up that adopts the concept of Green Growth, that's a path of sustainable economic growth from both an environmental and social point of view.

We live in an era of strong demographic growth and intense industrialization, two strictly connected aspects that have led humankind to an unsustainable exploitation of natural resources, and at the same time of progressive degradation of natural and anthropogenic ecosystems.

We at B-Plas define our identity and build our mission in the attempt to solve two issues:

- 1) The continuous increase in agri-food waste sludges and civil and industrial wastewaters, associated with the progressive restrictions for their sustainable disposal or reuse.
- 2) The increasing contamination of water and soil by non-biodegradable fossil plastics, and the consequent damage to natural ecosystems.

To this scenario we react by placing ourselves as a positive and constructive force: we strongly reduce the quantity of sludge to be disposed of, at the same time converting its organic fraction into PHA, a biodegradable bioplastic, through natural fermentation processes.

We start from industrial sludge, that's a negative value waste (any disposal has a significant and increasing cost), and we valorize it, largely transforming it into a new sustainable product: PHA, biobased and biodegradable.

In the short term, B-Plas proposes an integrated approach to the management of two macro problems, with a sustainable and circular technological business model, with a lower environmental impact than the available alternatives.

Looking ahead, the B-Plas process aims to become a completely carbon negative process, capable of using renewable energy and raw materials to generate economic and environmental benefits.

But a company is never sustainable in a single goal, it is sustainable in its business model and in the mentality with which it chooses to develop it. For this reason, our team is made up of women and men with different and complementary scientific backgrounds, and multidisciplinary skills that are integrated into daily work and put together.

With this conviction we work to consolidate the team, through the well-being of each individual, trying to integrate individual diversities to generate collective value.