

# Client Reference

## Polygenta Technologies Limited



*“Our efforts are focused on finding innovative solutions to become the lowest cost producer of environment friendly sustainable products in the world. LCA is a tool which helps us evaluate these efforts by assessing the products environmental footprint. We approached Sphera [formerly thinkstep] for assisting us in our LCA journey as they are the experts. We are truly delighted with the outcomes of the study as well as the association we have built with Sphera.”*

**Makarand Kulkarni, Chief Executive Officer, Polygenta Technologies Limited**

### Goal

- Evaluate significant hotspots in environmental impacts over the life cycle of the recycled polyester yarn.
- Leverage our patented proprietary technology ("ReNEW") for chemically recycling post-consumer bottles into high valued products.

### Solution

- Life Cycle Assessment study of recycled polyester yarn products over cradle to gate system boundary and comparison it with the virgin equivalent products.

### Benefits

- Assist towards material circularity and abatement of plastic pollution.
- Engage with stakeholders to address their concerns in the form of an improvement plan, and brand the products based on its sustainable performance.

