



Climate Tech Companies Driving Sustainability



By Morris Enunwah // [Climate Change](#), [Energy](#), [Fossil Fuels](#),

[Renewable Energy](#) May 23, 2023



In the race against climate change, innovative climate tech companies driving sustainability and are stepping up to revolutionise various industries and pave the way for a sustainable future. This spotlight article highlights the exceptional efforts of five remarkable companies, each at the forefront of their respective fields. From transforming CO2 into petrochemicals to reducing food loss, promoting circular economy practices, enabling smart cities, and enhancing climate adaptation and resilience, these companies are driving transformative change through

Redefining Petrochemical Production with Renewable Energy, Twelve is a clean energy and one of the climate tech companies driving sustainability as an innovator that aims to transform the production of petrochemicals (chemical products derived from petroleum) by utilising carbon dioxide and renewable energy. By replacing fossil fuel-based chemicals with CO2-based alternatives, Twelve's process minimises emissions while producing essential components for a wide range of products. The company's partnerships with industry leaders like Procter & Gamble and LanzaTech showcase the potential of its technology. With an estimated impact of eliminating **2 to 3 billion tons of emissions** annually, Twelve is charting a path toward a more sustainable future.

PostHarvest

PostHarvest is a disruptor in sustainable agriculture, offering a micro-sensor system that revolutionises produce storage and supply chain management. By providing real-time **data on produce health and ripeness stages**, PostHarvest enables operators to optimise shipment forecasts and reduce food loss by up to 33%. Additionally, **the company's free online course platform educates industry workers and consumers**, promoting best practices for handling fresh produce. PostHarvest's innovations are set to transform the future of fresh food supplies.

Patagonia

Championing the Circular Economy in Apparel, Patagonia is a renowned apparel brand, and has been a leader in the circular economy movement for decades. Through

minimises waste. Patagonia's commitment to incorporating recycled materials and sustainable fibres further reduces the **environmental impact** of its clothing, promoting a more circular approach to fashion.

Terranova

Shaping Smart Cities with Innovative Software Solutions, Terranova is a trailblazer in the software supplier industry that specialises in **smart grid solutions, smart metering, mobile applications**, and more. By analysing organisational contexts and improving digital processes, Terranova enhances efficiency and enables effective process management. The company's expertise extends to the utility market, offering software solutions in sectors that lack application support. Terranova's contributions are instrumental in building smart and sustainable cities.

Arcadis

Enhancing **Climate Adaptation and Resilience in Urban Environments**, Arcadis is a global natural and built asset design and consulting firm that partners with UN-Habitat to improve the resilience of informal settlements in the face of climate change. Through the **Shelter Program**, Arcadis provides pro-bono technical assistance, trains mayors, and implements innovative engineering solutions in Asia-Pacific, Africa, Latin America, and the Caribbean. This collaboration strengthens the capacity to design and implement **resilient urban infrastructure, especially in post-disaster recovery scenarios**. Arcadis is driving climate adaptation and resilience, making cities more prepared for the challenges ahead.

These five climate tech companies are driving sustainability

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