



The True BioRefinery and the Circular Economy

Circular economy

The world's economy is currently linear.

Crops are grown, farmed, processed, manufactured, sold, and then when we are done, it is dumped into landfills. The idea of a sustainable 'circular economy' —one in which materials are used in a closed-loop, running on renewable energy—is gaining traction. A true BioRefinery's vertically integrated production model is perfectly suited to support the circular economy of tomorrow.

What is a "Circular economy"?

A **circular economy** is an economic system aimed at eliminating waste and the continual use of resources. Circular systems employ reuse, sharing, repair, remanufacturing, and recycling to create a closed-loop system, minimizing the use of resources and creation of waste, pollution, and carbon emissions. The true BioRefinery adheres to these steps.

The circular economy aims to keep products, equipment, and infrastructure in use for longer periods, thus improving the productivity of these resources. Waste materials and energy become input for other processes: either a component or recovered resource for another industrial process or as regenerative resources for nature (e.g., compost) – or yet more value-added products (sound familiar?). This regenerative approach is in contrast to the traditional linear economy, which has a "take, make, dispose" model of production.

The true BioRefinery's model was designed long before the idea of a "circular economy" became popular. CBR uses everything, wastes nothing, recycles its final "waste water," and creates its own green electrical power to run its facilities.

