



ICL Invests in Sustainable Protein Ingredients Startup Arkeon

ICL, a leading global specialty minerals company, announced that its AgriFood innovation and investment platform, ICL Planet Startup Hub, has invested €2.75 million in Arkeon, GmbH.

ICL and Arkeon are partnering to develop CO₂-derived protein ingredients for food applications, using Arkeon's carbon conversion process.

arkeon Convert CO₂ Into Food

Arkeon's innovative and sustainable one-step fermentation bioprocess, creates completely customizable protein ingredients by capturing the greenhouse gas carbon dioxide (CO₂) and converting it into the 20 proteinogenic amino acids necessary for human nutrition. The resulting alternative proteins are carbon negative and clean-label functional ingredients.

Arkeon's technology uses small amounts of resources compared to conventional agriculture, plant-based or animal-based:

-0.37
Carbon negative

0.01
99% less land

0.17
99% less water

2 Main Target Markets



Global Functional Food Market

\$285bn by 2030 (growing at 4.5%)
Source: Spherical Insights, 2022

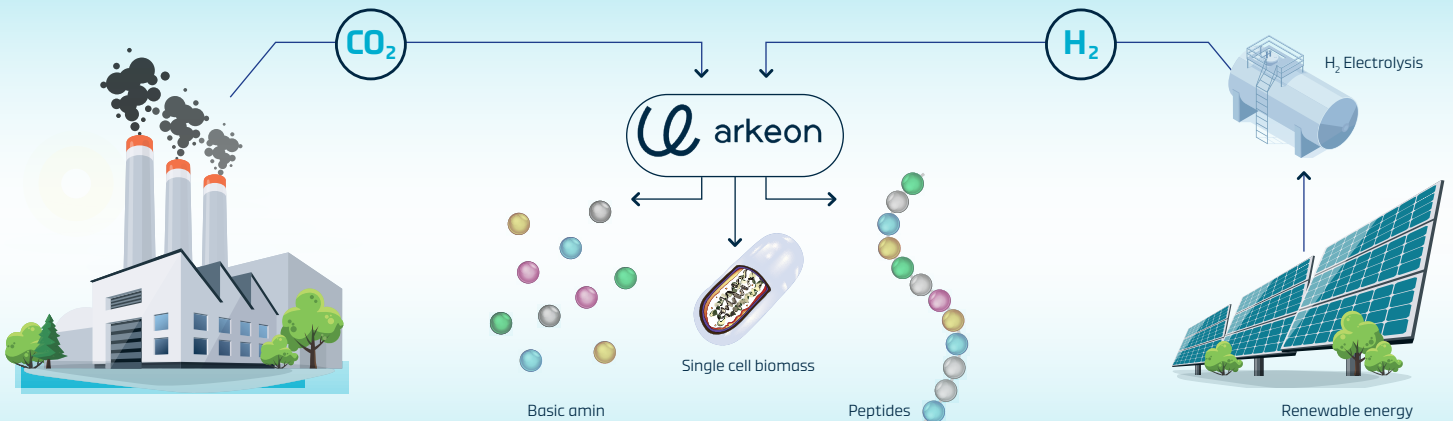
Sustained demand increase: infant and elderly nutrition, functional nutrition for sports.



Global Plant-Based Market

\$162bn by 2030 (growing at 18.5%)
Source: Bloomberg Intelligence, 2021

Improve texture, flavor and taste across meat and dairy in context of expanding market.



Hadar Sutovsky
Vice President of External Innovation at ICL, and General Manager of ICL Planet



Arkeon's dedication to developing a renewable and easy to use protein is completely in-line with our organization's commitment to creating impactful solutions for humanity's sustainability challenges in the global food markets "



Rado Sporka
Vice President of the Food Specialties Commercial Business for ICL



As an established corporation, we are able to offer our advanced infrastructure, extensive experience and accrued insights, plus market - related support. We look forward to working with this promising start-up to unlock a whole new food category based on Arkeon's unique protein discovery"

To learn more about ICL's investments portfolio [click here](#) >>