

Novozymes in a nutshell

Novozymes is the global market leader in biological solutions, producing a wide range of industrial enzymes and microorganisms. We use nature's problem solvers to help customers produce more from less, adapt to market changes, make their products stand out and reduce costs. We simply enable customers to deliver better products.

Sustainability comes naturally

The world's population is growing, but its natural resources are not. This disparity has prompted a worldwide call to action to find sustainable solutions capable of easing the burden on our planet and getting the most out of the resources we have available.

Novozymes' innovative biological solutions are applied to a wide range of products, from detergents and biofuels to agricultural crops and food-processing aids. Our products help reduce waste and save energy, water and raw material use.

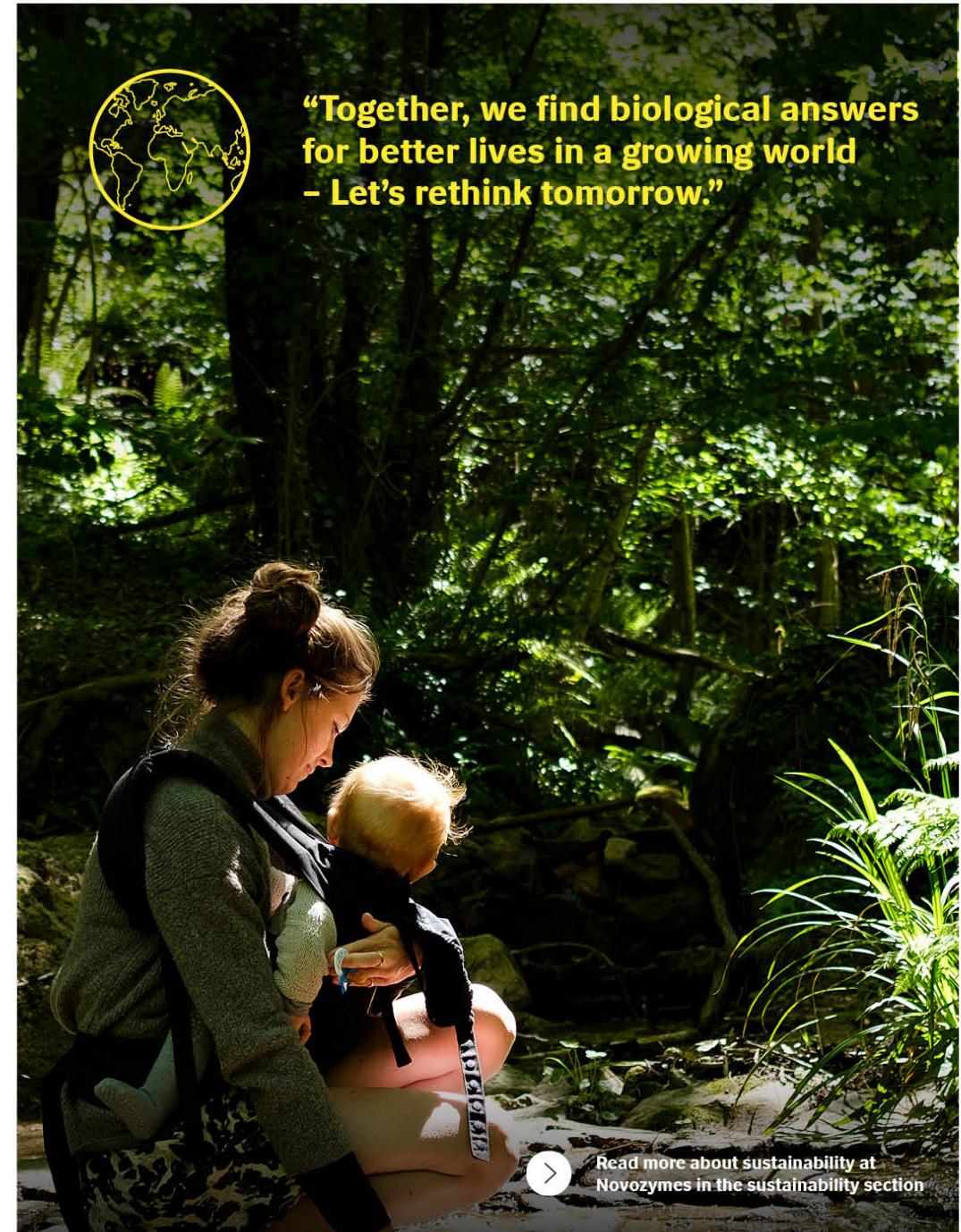
Sustainability is a key characteristic of biological solutions and is imbedded in the way we do business. In 2017 alone, Novozymes' solutions helped customers save an estimated 76 million tons of CO₂. That is equivalent to taking 32 million cars off the road.

World-class innovations deliver results

We continuously search for new and better bioinnovations – and research is at the heart of everything we do.

Each year, we put 13% of our revenue back into R&D, to turn biology into business opportunities across industries. 23% of our employees work in R&D, and in 2017 alone we launched eight new innovations.

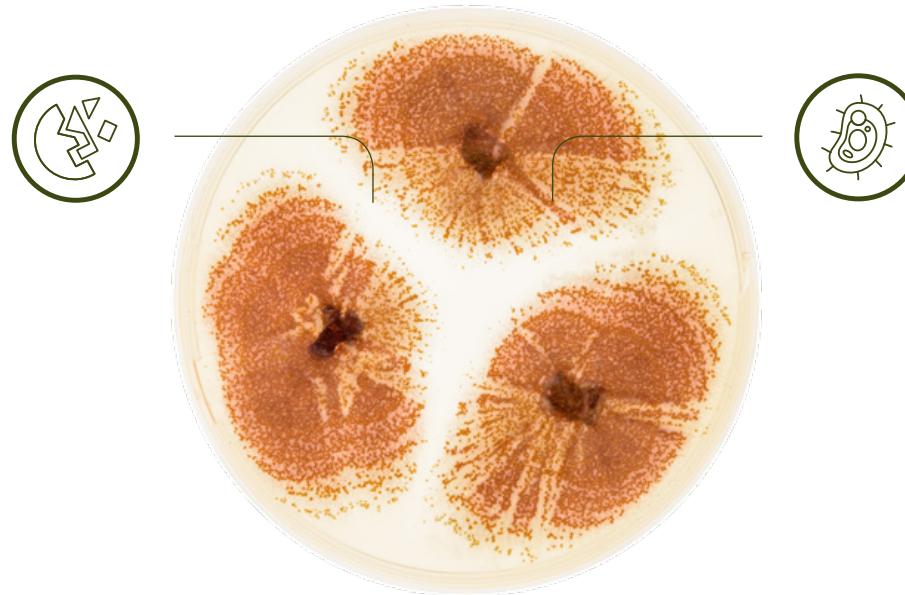
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Small components that make a big difference

What are enzymes?

Enzymes are proteins that act as catalysts, aiding complex reactions that occur in all living systems. This is nature's own way of kick-starting biological processes. When one substance needs to be transformed into another, nature uses enzymes to speed up and control the process. With Novozymes' expertise, enzymes can be used on an industrial scale to optimize output, deliver better products and accelerate processes, while saving water, energy and raw materials.



What are microorganisms?

Microorganisms are living, single-celled organisms such as fungi or bacteria. Like enzymes, Novozymes' microorganisms have natural properties that influence processes and reactions. The industrial applications for microorganisms are countless. For example, microbes expand the farmer's toolkit to increase yield and protect crops. Microbes are also the source of the enzymes we produce. They are found in diverse environments – from agricultural fields to extreme environments such as volcanoes and frozen lakes. Each environment yields different microorganisms and enzymes, providing natural diversity where new enzymes and microbes suited to different uses and conditions can be found.

Where do our solutions make a difference?



Animal health & nutrition: Improve animal health, growth and feed utilization



Baking: Improve softness, freshness and dough strength



Biofuels: Produce sustainable energy from crops or waste



Brewing: Improve filtration and flavor of beer and ensure raw material optimization



Detergents: Remove tough stains and enable low-temperature washing



Health & nutrition: Make foods safer by removing carcinogenic and allergenic ingredients



Juice: Increase yields and improve clarity of juice



Leather: Prepare, degrease and tan leather more efficiently



Oils & fats: Harden fats without unhealthy trans-fatty acids



Pulp & paper: Reduce water, energy and chemical consumption in pulp and paper production



Pharmaceuticals: Improve yields and reduce costs of drug production



Starch: Produce sugar syrups more simply and efficiently



Textiles: Save time, water, energy and chemicals in textile production



Biological solutions for agriculture (BioAg): Improve crop yield and health



Aquaculture: Support improved growth, survival and disease resistance



Biogas: Work as processing aids



Wastewater treatment: Make wastewater treatment facilities more efficient



Want to know more about how we help customers advance their business? Go to Novozymes.com

Novozymes' commercial divisions

