

COMPANY PROFILE

Novozymes is the world leader in bioinnovation. Our business is industrial enzymes, microorganisms, and biopharmaceutical ingredients. We provide business-to-business biological solutions used in the production of numerous products such as biofuel, detergents, feed, and crops.

In 2008, we achieved revenue of DKK 8,146 million, based on more than 700 products sold in 130 countries. Up to 14% of our revenue is spent on research and development, and we currently have more than 6,000 patents in place, which is evidence of what is possible when nature and technology join forces. We have over 5,000 employees globally.

Rethink Tomorrow

We use biotechnology to challenge traditional thinking in order to find sustainable solutions. In other words, we ask the world to "Rethink Tomorrow." Our solutions are based on a unique technology platform that provides a wealth of opportunities for the world's industries. Gene technology, microbial techniques, and fermentation technology are some of the biotechnological tools on which we base our business.

Using this technology platform, we work with customers across a broad range of industries, and through this cooperation we create tomorrow's industrial biosolutions to improve our customers' business and the use of our planet's resources.

Sustainability is an integral part of our business, and we enable our customers to be more sustainable by optimizing the use of raw materials and energy, thereby reducing the environmental impact of their operations. Worldwide application of our bioinnovation has enabled reductions in CO₂ emissions of approximately 28 million tons in 2008 alone.

Doing business based on values

The Novozymes Touch states how we want to do business. We believe that decency and responsibility in business are about being aware of and acting upon important stakeholder relations, as well as being committed to international agreements and universal values:

- We subscribe to the United Nations Global Compact
- We support the United Nations Declaration of Human Rights
- We support the United Nations Convention on Biological Diversity
- We subscribe to the International Chamber of Commerce's charter for sustainable development

Enzyme Business

Our business consists of two segments: Enzyme Business and BioBusiness. Development, production, and distribution of enzymes are a major part of our business, currently accounting for more than 90% of sales. Enzymes are readily biodegradable proteins that are found in all living organisms and catalyze biochemical reactions. Enzyme technologies can typically replace conventional chemicals, improving resource efficiency and generally reducing environmental impact.

Behind bioinnovation

Bioinnovation uses nature's own technology to make better products for forward-looking companies.

IT ALL STARTS WITH ONE MICROORGANISM...

Nature's problem solvers

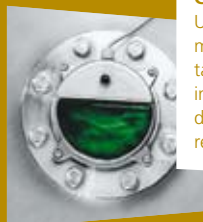
In a handful of soil there can be thousands of different microorganisms. They are hard-working and live by recycling essential products in the environment. They produce and use enzymes and other substances that can be utilized in solving problems in industries and homes all over the world.



... THAT BECOMES TRILLIONS OF MICROORGANISMS

Growing better all the time

Using the oldest known biotechnology – fermentation – we grow microorganisms in large tanks. In 24 hours, one microorganism turns into trillions of microorganisms that all produce the enzymes and other substances we require.



Enzyme Business is divided into four areas, providing industrial enzymes with unique functionalities for detergent, technical, food, and feed industries.

Detergent enzymes

These enzymes are used in household and industrial laundry and dishwashing detergents. For example in the process of washing clothes, certain enzymes break down water-insoluble stains into water-soluble molecules that can be rinsed away by the wash water. Detergent enzymes have historically been our largest product area.

Technical enzymes

Technical enzymes are used, among other things, in the transformation of starch into different kinds of sugars. This functionality is used in the starch and fuel industries. Enzymes for bioethanol are a significant focus area. By 2010 we expect that our enzymes will make it possible to produce second-generation bioethanol from certain agricultural residues in large-scale production. However, technical enzymes are also used for many other applications in, for example, the leather, textile, and forest product industries.

Food and Feed enzymes

Enzymes for the food industry enhance quality and/or efficiency in the manufacture of food products such as bread, wine, juice, beer, noodles, pasta, and alcohol.

Adding enzymes to animal feed increases the nutritional value of the feed. This leads to faster growth of the animals and better utilization of the feed, and improves the environment as less phosphorus is released via manure.

BioBusiness

Enzymes sold by Enzyme Business are produced by microorganisms. Within BioBusiness we use similar fermentation technology to produce proteins other than enzymes that are then, for example, used in the pharmaceutical and cosmetic industries and within agriculture. We also sell microorganisms for various applications in a range of industries. We see a lot of opportunities to use our existing technologies to cultivate BioBusiness across a broader range of applications.

Microorganisms

Microorganisms are a diverse group of microscopic organisms such as fungi, bacteria, and amoeba. They are found everywhere in nature, where they both form and degrade organic materials. Our microorganisms are used, for example, in industrial and municipal wastewater treatment, as well as to clean surfaces such as carpets and drain lines.

Biopharmaceutical ingredients

Biopharmaceutical ingredients are proteins and other biological substances used in the pharmaceutical industry. Our proteins replace proteins from humans and animals that have traditionally been used in the industry, entailing the risk of transferring disease. Our proteins do not entail this risk and offer further advantages such as cost savings. Using our biopharmaceutical ingredients offers customers alternative solutions or helps them with process performance, consistency, and compliance.

... WHICH ARE USED
IN DIFFERENT WAYS

... TO CREATE TOMORROW'S
SUSTAINABLE WORLD

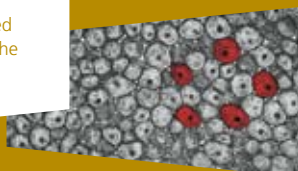
Enzymes

We sell enzymes produced by microorganisms to many industries around the world.



Other substances

We sell other proteins produced by microorganisms for use in the pharmaceutical and cosmetic industries.



Microorganisms

We sell microorganisms to a range of industries.

