

# Novozymes fact sheet

## Company profile

Novozymes is the world leader in bioinnovation. Our business is industrial enzymes and microorganisms.

Enzymes are proteins, and in nature they initiate biochemical reactions in all living organisms. It is enzymes that convert the food in our stomachs to energy and turn the falling leaves in the forest to compost.

Novozymes finds enzymes in nature and optimize them for use in industry. In industry, enzymes replace chemicals and accelerate production processes. They help our customers make more from less, while saving energy and generating less waste.

Enzymes are widely used in laundry and dishwashing detergents where they remove stains and enable low-temperature washing and concentrated detergents.

Other enzymes improve the quality of bread, beer and wine, or increase the nutritional value of animal feed. Enzymes are also used in the production of biofuels where they turn starch or cellulose from biomass into sugars which can be fermented to ethanol.

These are just a few examples as we sell enzymes to more than 40 different industries.

Like enzymes, microorganisms have natural properties that can be put to use in a variety of processes. Novozymes supplies a range of microorganisms for use in agriculture, animal health and nutrition, industrial cleaning and wastewater treatment.

Novozymes is quoted on NASDAQ OMX Copenhagen (NZYM B).

## Headquarters and affiliates

- Novozymes' headquarters are located in Bagsvaerd just outside of Copenhagen, Denmark
- Production in Argentina, Brazil, Canada, China, Denmark, India and the United States.
- Affiliates and sales offices in more than 30 countries

## History

Novozymes was founded in 2000 in a demerger from pharmaceutical company Novo Nordisk. Novozymes' roots date back to the 1920s when *Novo Terapeutisk Laboratorium* and *Nordisk Insulinlaboratorium* were established in Copenhagen, Denmark. Enzyme production began in 1941.

## Executive leadership team

- President & CEO: Peder Holk Nielsen
- Research, Innovation & Supply: EVP & COO Thomas Videbæk
- Agriculture & Bioenergy division: EVP Tina Sejersgård Fanø
- Food & Beverages division: EVP Andrew Fordyce
- Household Care & Technical division: EVP Anders Lund

## Sustainability

*Together, we find biological answers for better lives in a growing world. Let's Rethink Tomorrow.* This is Novozymes' purpose statement. Novozymes strives to have great impact by balancing good business for our customers and our company, while spearheading environmental and social change.

In 2016, the worldwide application of our products helped our customers reduce their CO<sub>2</sub> emissions by an estimated 69 million tons. It is our ambition to enable a 100 million ton reduction in CO<sub>2</sub> emissions in 2020.

The Dow Jones Sustainability Index, a global sustainability benchmark, ranked Novozymes among the top 6 percent of companies in the chemical industry sector in 2016. Novozymes received a gold medal in the RobecoSAM Sustainability Yearbook in 2010-2014, a bronze medal in 2015 and a silver medal in 2016-2017

## Key figures

- Sales: DKK 14.142 billion (2016)
- EBIT margin: 27.9% (2016)
- Market share in industrial enzymes: 48% (2016)
- R&D: We invest ~13% of our revenue in research and development. Novozymes holds over 6,500 granted or pending patents
- Workforce: 6,441 employees. Denmark (2,660), North America (1,304), Asia Pacific (1,827), Europe (284), Latin America (366) (January 2017)



- Europe/MEA 36%
- North America 34%
- Asia Pacific 20%
- Latin America 10%



- Household Care 33%
- Food & Beverages 26%
- Bioenergy 17%
- Agriculture & Feed 16%
- Technical Industries 8%