



Matching today's expectations.  
Smart ingredients for healthy nutrition.

**beneo**  
connecting nutrition and health

# Matching today's expectations.

Nutrition has always been considered a vital source for health and life itself. But the expectations regarding choices and functionalities have drastically grown during the last decades. Consequently, the pace of new developments in the food and feed sector has increased ever since.

## Today's expectations to human nutrition.

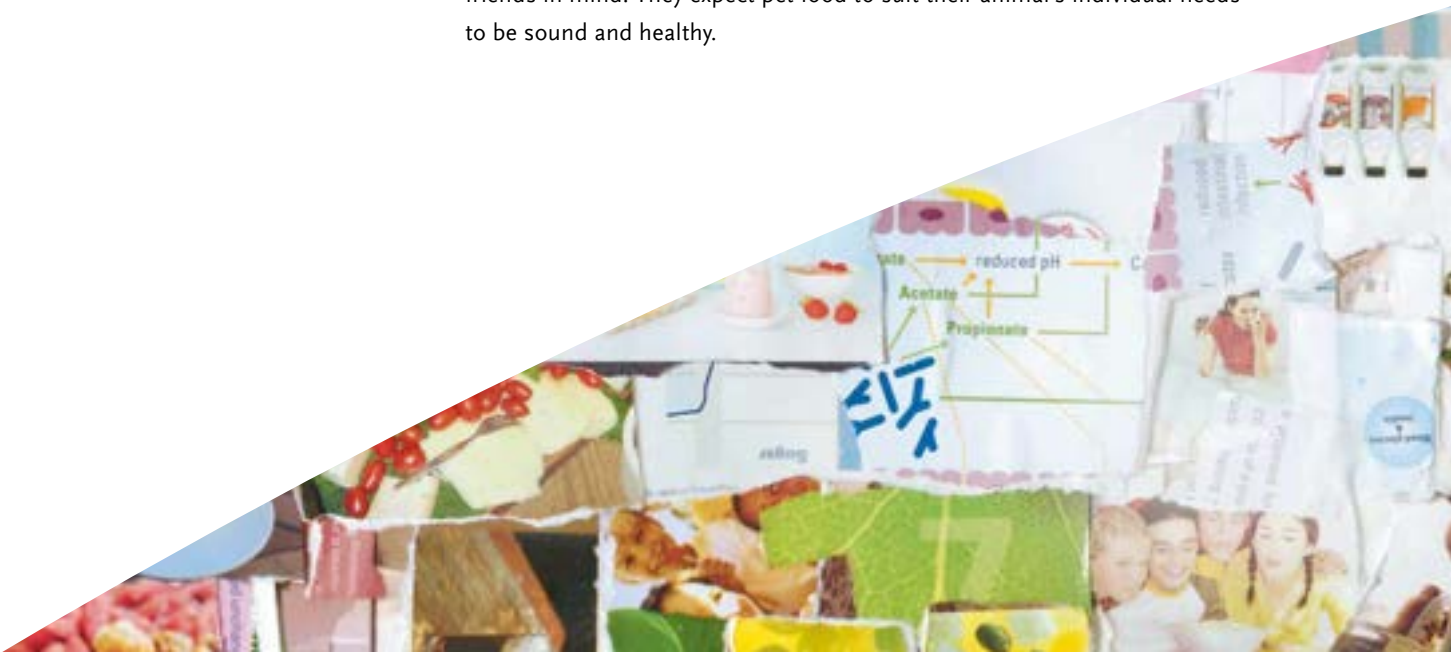
Consumers are becoming aware of the positive health effect good nutrition provides. Today, they not only expect their food to be naturally derived, but are also actively choosing certain products to maintain their well-being. Satisfying this demand contributes to tackling today's health challenges like overweight and obesity, cardiovascular diseases, osteoporosis or diabetes.

Beyond these developments, the trend is moving towards nutrition that matches people's individual lifestyles. Food products are expected to boost performance in a balanced way, to reduce sugar and fat consumption, to increase dietary fibre intake or to substitute dairy without compromising on taste and texture. At the same time, they have to answer the on-the-go needs of modern consumers. In other words consumer demand for convenience and easy-to-prepare food continues, while nutrition today has to meet an ever-growing variety of additional expectations.

## Today's expectations to animal nutrition.

Farmers and breeders nowadays generally expect a higher nutritional quality from their feed products. An example of this is the use of vegetal sources of protein, which is good for animals' health and at the same time more sustainable.

Pet owners ultimately have the well-being of their four-legged, winged or finned friends in mind. They expect pet food to suit their animal's individual needs to be sound and healthy.



## How BENE0 answers today's challenges.

We are specialised in providing food and feed ingredients from natural sources that allow real product innovation in order to meet today's expectations. You can find BENE0 ingredients in all kinds of food applications, from beverages to baby food, dairy to bakery, from confectionery to cereals and soups to sauces. We also supply our ingredients to manufacturers of all different kinds of animal nutrition – from cattle feed to cat food.

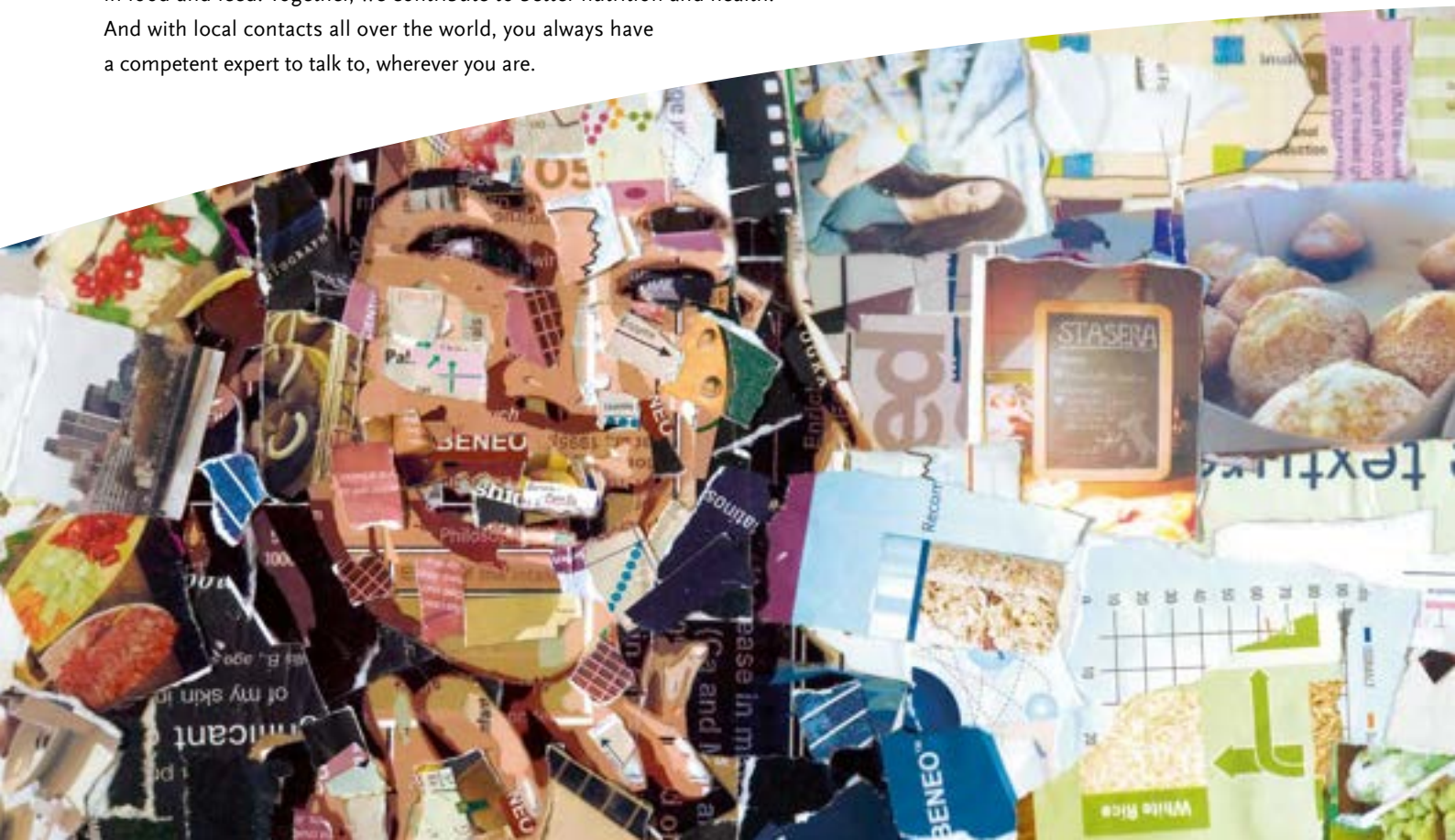
BENE0 is one of the global leaders in ingredient research. The benefits of the ingredients we develop and produce are scientifically proven. We continuously invest in research and development as we believe this to be the best way in successfully contributing to good nutrition.

All the different BENE0 ingredients share common benefits. Firstly, they make the final product that decisive bit healthier, tastier or give it a better texture. Secondly, they add technical benefits like a prolonged shelf life or a stable structure.

We also offer much more than ingredients. Our customers profit from our comprehensive expertise in their individual industries. With market insights, in-depth knowledge on physiology as well as valuable know-how concerning legislation and application technology, we provide you with all the information and inspiration you need to develop successful products.

In short, BENE0 is your global partner, catering to the latest trends and developments in food and feed. Together, we contribute to better nutrition and health.

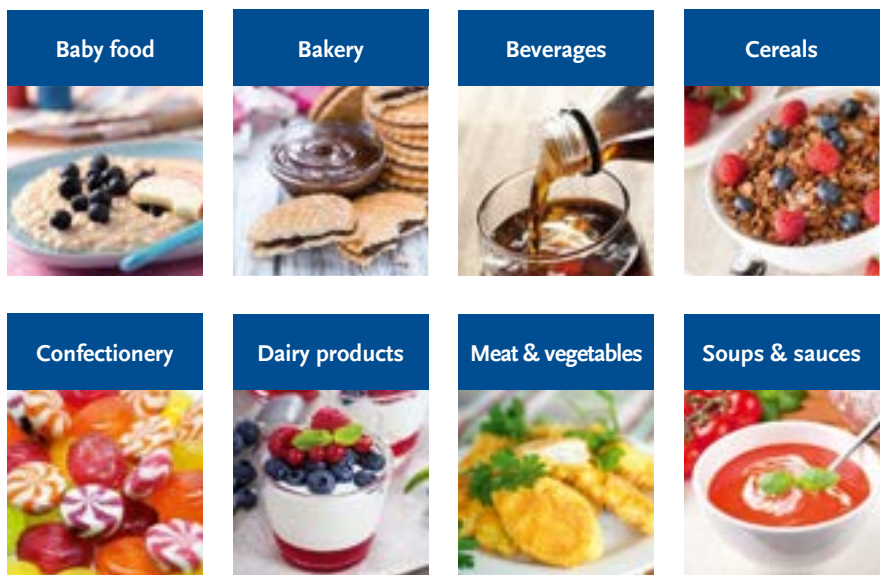
And with local contacts all over the world, you always have a competent expert to talk to, wherever you are.



# Contributing to better nutrition and health.

Chicory root, sugar beet, rice or wheat – all of our advanced nutrients are solely developed from natural sources. There is no limit to the inspiration nature provides, when it comes to food. With this in mind, we never stop looking for new answers to make nutrition better and healthier. As a result, successful ingredients like Inulin, Oligofructose, Isomalt, Palatinose™, rice starches, rice flours and many more have emerged within our key product groups of functional fibres and carbohydrates, specialty rice ingredients and functional proteins. Based on these and our interdisciplinary insights, we develop smart food concepts according to current or future market demands.

## Some of our food applications.



## Ingredients for high standards.

We focus on a defined product portfolio. This enables us to offer you a comprehensive and relevant range of functional ingredients. That way, we can guarantee superior quality and make our products competitive in every sense.





### Superior quality.

BENEO is always aware of its nutritional responsibility and we do everything in order to constantly ensure top quality. With carefully selected natural sources, state-of-the-art production facilities and comprehensive services, we apply very high standards along the entire value chain. Accordingly, we are able to meet the requirements of very demanding market segments, such as baby food.

### Competitive edge.

You always aim to be ahead of your competition. This is why we provide you with valuable, up-to-date insights from nutrition, legislation, markets and application technology as well as cutting-edge food concepts alongside our functional nutrients. Profit from our cross-disciplinary expertise.



Products	Functional fibres	Functional carbohydrates	Specialty rice ingredients	Functional proteins
<p><b>Natural sources</b></p>	<p>Chicory root</p> 	<p>Sugar beet</p> 	<p>Rice</p> 	<p>Wheat</p> 
<p><b>Benefits</b></p>	<ul style="list-style-type: none"> <li>• Digestive health</li> <li>• Fibre enrichment</li> <li>• Better calcium absorption</li> <li>• Weight management</li> <li>• Fat &amp; sugar replacement</li> <li>• Reduction of blood glucose response</li> </ul>	<ul style="list-style-type: none"> <li>• Low glycaemic effect</li> <li>• Prolonged energy</li> <li>• Toothfriendly</li> <li>• Weight management</li> <li>• Sugar replacement</li> <li>• Natural taste</li> </ul>	<ul style="list-style-type: none"> <li>• Texture &amp; taste</li> <li>• Product stability</li> <li>• Clean label</li> <li>• Fat-like mouthfeel</li> <li>• Free from gluten &amp; dairy</li> </ul>	<ul style="list-style-type: none"> <li>• Consistent high quality</li> <li>• Excellent baking performance<sup>1</sup></li> <li>• Meat replacement</li> <li>• Texture stability<sup>2</sup></li> <li>• Neutral taste<sup>2</sup></li> </ul>

<sup>1</sup>BeneoPro VWG; <sup>2</sup>BeneoPro W-Tex

# Living up to the megatrends in nutrition.

Our clear focus on human and animal nutrition and long-term experience in the development, production and marketing of specialty nutrients enable us to provide much more than the actual ingredients for better and healthier nutrition. An international network of scientists and experts, backed up by our connection to the Südzucker Group, cater for profound insights and valuable impulses for better food and feed products. The prerequisite for your success in an increasingly demanding global market.

## Support from experts in your field.

Our expertise sections comprise valuable insights. The BENE0-Institute, for example, aims to give substantiated guidance on the industry's most relevant questions on physiology and legislation. The team for Market Intelligence & Consumer Insights not only informs about market and consumer trends but also develops marketing concepts. Last but not least, the BENE0-Technology Center supports our partners and customers with profound application know-how. This way we can help you turn global megatrends – like healthy ageing, energy and weight management, digestive health and more – into successful food products.

Nutritional experts, marketers, regulatory professionals, technical food engineers and a competent sales force throughout the world enable the effective exchange of knowledge and ideas across geographical, market and discipline borders. It's the combination of advanced solutions intertwined with access to a global network of experts, which makes BENE0 a unique business partner.



## Profit from our expertise in ...

### Physiology

The BENE0-Institute aims to give substantiated guidance on questions regarding physiology and nutrition. Capitalise on the latest findings in nutritional research, scientific symposia, peer reviewed articles, the scientific journal Window-to-Science and competent support in translating nutrition science into communicative nutritional messages.

### Legislation

The experts of the BENE0-Institute proactively pursue the approval of ingredients and product claims in many countries of the world. They closely follow food legislation on a national and international level to support and consult you on all relevant regulatory and labelling questions. Profit from our competent advice on food legislation.

... for your successful  
food or feed product.



### Application technology

The BENE0-Technology Center provides you with expert advice on the impact of our ingredients on formulations and processes. Apart from formulation and recipe development, this includes technical food concepts, on-site consultancy, process know-how and naturally technical problem solving.

### Market insights

Benefit from insightful market and trend monitoring, well-founded consumer research, ideas on the marketing of health benefits and innovative product concepts that perfectly suit today's and tomorrow's consumer needs. In other words: We actively support you in tapping new markets.

# Enabling advanced animal nutrition.

With specialty ingredients such as prebiotic fibres, digestible carbohydrates and vegetable proteins, BENEО enables animal nutrition products that meet the various expectations of animal keepers. Our products from natural sources help to improve the well-being of all kinds of animals. This way, they also contribute to consumer safety, for instance, by reducing the use of “in feed” antibiotics in livestock.





Some of the animals our ingredients cater for.



**Comparable to human nutrition quality standards.**

As many of BENEÓ's animal nutritional ingredients are produced in human food plants with state-of-the-art facilities and multiple certifications, they meet the highest safety standards. This in turn ensures the maximum quality of your final feed products.

**Expertise for your product success.**

Our experience in the field of animal nutrition will give you relevant competitive advantages when it comes to developing successful animal nutrition products. Through support in formulation and application technology, our expertise in animal physiology as well as advice on legislation we help animal nutrition manufacturers to optimise their time to market.

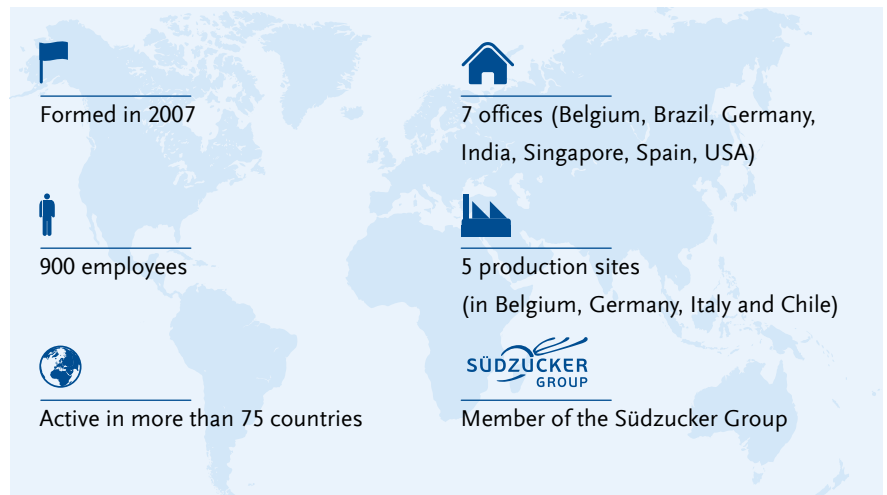
Products	Prebiotic fibres	Digestible carbohydrates	Vegetable proteins
<b>Natural sources</b>	Chicory root	Rice, sugar beet	Rice, wheat
<b>Benefits</b>	<ul style="list-style-type: none"><li>• Better nutrient absorption</li><li>• Improved gut flora &amp; intestinal health</li><li>• Assists natural defense</li></ul>	<ul style="list-style-type: none"><li>• Ideal energy supply for high demanding animals</li><li>• Good digestibility</li><li>• Balanced blood glucose levels</li></ul>	<ul style="list-style-type: none"><li>• High digestibility</li><li>• Clean label</li><li>• Natural binding properties</li></ul>

# Caring for better nutrition worldwide.

Our business is about contributing to better nutrition, with the ultimate goal of keeping people and animals healthy. We are fully aware of the responsibility this encompasses and use all our expertise to ensure that our products and services enable you to develop even better human and animal nutrition.

Alongside our expertise, our global organisational structure allows us to comprehensively support our customers – wherever they are located in the world.

## BENEO at a glance.



## A global organisational structure.

BENEO is member of the Südzucker Group – one of the leading food producers in Europe. Our organisation was formed in 2007 by the companies Orafiti, Palatinit and Remy and is currently represented in more than 75 countries around the world. 900 employees in six offices and five production sites ensure that you can always rely on consistent high quality across our ingredients and services.

Our affiliation with the Südzucker Group enables us to complement our extensive customer support e.g. in terms of nutritional or technological research and development.



## Sustainability as a business principle.

According to demographic developments, the food and feed industry will have to double their production, while drastically reducing its ecological footprint in order not to exceed the limitations of our planet. Beyond that, sustainability also has a social and an economic dimension which needs to be taken into account. BENEQ actively approaches these challenges by constantly improving sustainability along the entire value chain.

Not only do we make sure that our natural sources are farmed in a sustainable manner, we also optimise our production processes continuously. With investments in forward-looking technologies, foresighted planning of production sites and careful maintenance, BENEQ has managed to enhance energy efficiency, for example.

Beyond that, we constantly invest in sustainable solutions like energy recovery from biomass. Hence, we can meet the needs of today while keeping in mind tomorrow's generations.

## What can we do for you?

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