

Affordable Nutrition at DSM

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DSM

BRIGHT SCIENCE. BRIGHTER LIVING.

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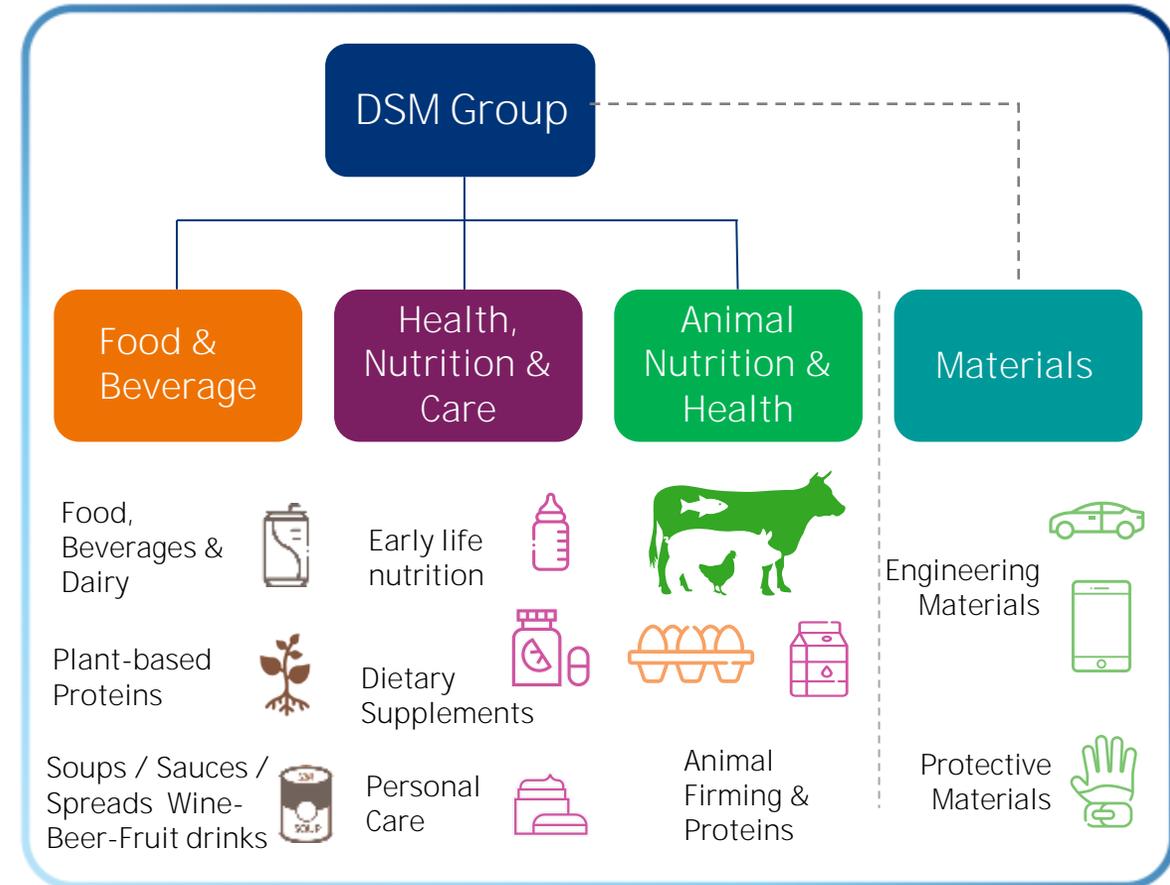
Royal DSM at a glance

Our Purpose is Creating Brighter Lives for All

A Company with Purpose

- Global leader of **Health, Nutrition & Bioscience** as well as **Sustainability in Business** after multiple business portfolio changes since 1902

- Sales **€9.2B**
- Adj. EBITDA **€1.8B**
- Global company **65%** of sales outside EU
- Highly engaged workforce **21,000+** employees
- Innovation Sales **21%**



Our food systems are not sustainable

from the perspectives of people's health, our planet and livelihoods



(Hidden) Hunger and malnutrition



Diet-related illnesses, overweight, obesity



Vitamin and mineral deficiencies

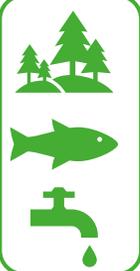


Anti-microbial resistance

People 



Emissions from livestock greenhouse gases (carbon dioxide, methane, nitrous oxide) as well as nitrogen (ammonia) and phosphorus emissions



Loss of biodiversity, deforestation, ecosystem loss on land and in the ocean



Food loss & waste, one third of all food is lost or wasted

Planet 



Inequality



Farmers and other food workers not able to generate a **fair and stable income** in the value chain



Lacking **basic needs** such as food, healthcare and education



Livelihoods 



DSM has the *capability* and therefore the *responsibility* to make a meaningful impact on the global food systems, while this also creates exciting new market opportunities.

This way we are staying true to our purpose of creating brighter lives for all.



DSM's Food System Commitments:

Health for People



1.1 Enable the micronutrient gap of 800 million vulnerable people to be closed by 2030

1.2 Supporting the immunity of half a billion people by 2030



Health for Planet



2.1 Enable double-digit on-farm livestock emission reductions by 2030

2.2 Reaching 150 million people with nutritious, delicious, sustainable plant-based foods by 2030



Healthy Livelihoods



3. Supporting the livelihoods of 500,000 smallholder farmers by 2030



Multi Micronutrient Supplementation

Improving Maternal & Child Nutrition

- WHO included Multiple Micronutrient Supplements (MMS) for pregnancy on the WHO Model List of Essential Medicines in 2020
- DSM partnering to accelerate delivery of MMS
 - Ongoing engagement together with the [Sight and Life Foundation](#) from research to addressing supply chain issues, building scientific evidence, and executing trials, such as in [Bangladesh](#)
 - Enabling implementation research for MMS adoption in [Nigeria](#) together with [UNICEF](#)
 - Enabling [World Vision International](#) to work on incorporating MMS to strengthen the health system of the [Philippines](#), by improving supply and demand of MMS for the last mile



Rice Fortification

Large-scale Staple Food Fortification

- Rice fortification offers a unique opportunity to substantially **improve their micronutrient status at a very low cost**
 - With over 3 billion people worldwide relying on rice as their staple food
- DSM provides **fortified rice kernels** made from essential micronutrients and rice flour, which are **mixed into regular rice at 0.5-2%** to increase its nutritional value
- DSM is investing significantly in **scaling up fortified rice in Asia-Pacific inc. India** by setting up local production
 - Indian PM Modi announced that all rice provided in social safety net channels will be fortified by 2024



Africa Improved Foods Co.

Innovative business model for affordable nutrition

- A **Public-Private Joint Venture** between DSM and the Rwandan Government with **blended investment** from IFC, FMO, CDC
 - African **social enterprise** building **resilient local food systems** with sourcing, manufacturing and selling affordable and accessible nutritious products to consumers
- Since 2016, AIF has
 - Reached 1.6M+ consumers
 - **Sourced from 130k+ smallholder farmers**
 - Created 300+ direct jobs
 - Contributed \$1.0B+ discounted net incremental benefits to African economy



Cooperation to drive innovation and transformational change

We partner to develop and implement solutions at scale...



...and cooperate in coalitions of industries, academics and NGOs to drive innovation and transformational change.

