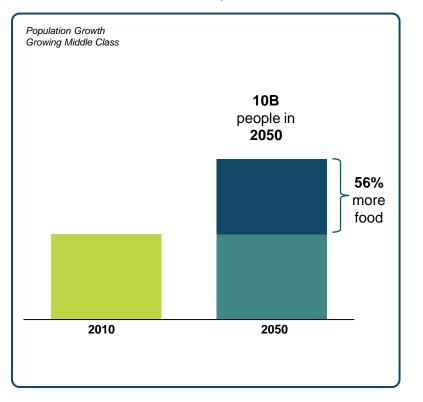




### Finding a sustainable way to feed a growing world



Increasing populations and a growing middle class demand more protein ...



... to be achieved without deforestation, overfishing oceans, and with lower ecological footprint



Every year the world loses around 5 million hectares of forest, largely driven by agriculture



Global water requirements in 2030 expected to be 40% above current supply



Agriculture accounts for 15% of global greenhouse gases (1)



80% of the world's fisheries are fully exploited

Increasing demand for large quantities of feed and food that is nutritious and safe to feed the world without depleting the Earth's limited resources



## Attaining food security – a challenge that is only increasing











What does the world need?

Protein created from an abundant and affordable resource

A whole new source of high-quality protein for a hungry world



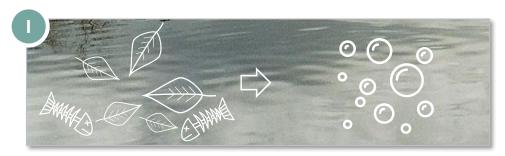
# De-coupling protein production from farming and fishing



## Harnessing nature's process of producing protein from methane



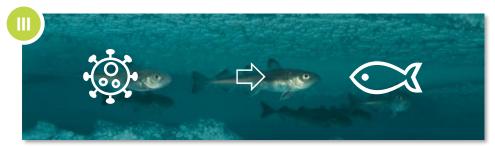
In lakes methane results from decomposition of organic matter (dead fish and plants)



Methane is released in the water and then eaten by microbes



The microbes become protein-rich and are through the food chain eaten by fish



#### In nature

microbes become protein-rich by eating the methane that comes from decaying plant / organic material.

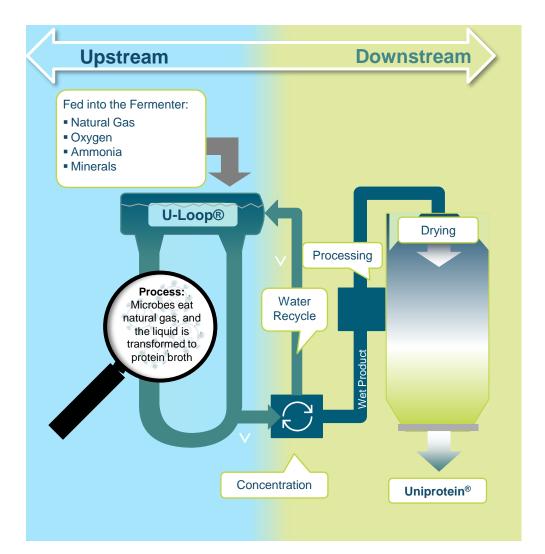
The microbes are

The microbes are eaten by fish as part of their food-chain



## What it looks like: A revolutionary microbial fermentation technology







The U-Loop® technology drives efficient conversion of methane into protein



Vertical fermenter design significantly improving the mass transfer rate and average productivity



Protected by 16 patent families and extensive know-how



## Introducing Uniprotein® — a high-quality, fermentation-derived protein





SCP from *Methylococcus capsulatus* biomass grown on methane

+70% protein content

Approved by EU for feed applications

Compelling results from feeding trials

Fully traceable, non-GM, long shelf life and stable production process

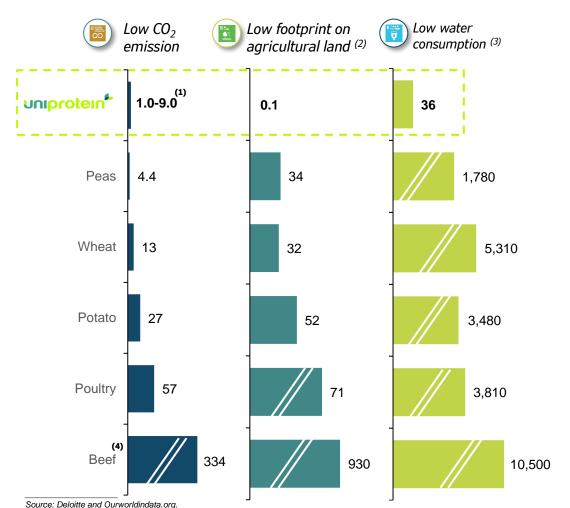
Free from heavy metals, pesticides, herbicides, fertilizers, antibiotics



### Uniprotein® is a good answer to a world in need



#### **UniProtein® vs Conventional Protein Production**





"UniProtein® can produce unlimited supply of high-quality protein to enhance global food security"

#2 Zero Hunger



"UniProtein® supplies the world with affordable protein produced from abundant methane"

**#12 Responsible Consumption and Production** 



"1 million tons of UniProtein® will save 18 million m<sup>3</sup> of water per year, or 7,200 Olympic-size swimming pools"

#14 Life below Water



"1 million tons of UniProtein® will save ~19,500 km<sup>2</sup> of forest from de-forestation"

#15 Life on Land

- Depending on raw material sources and technology blocks.
- Land use for different feed types (m<sup>2</sup> cropland e.g. to produce 1 kg of protein)
- Water consumption for different feed types (litres of water to produce 1 kg of protein).
- Average of beef and dairy herd.

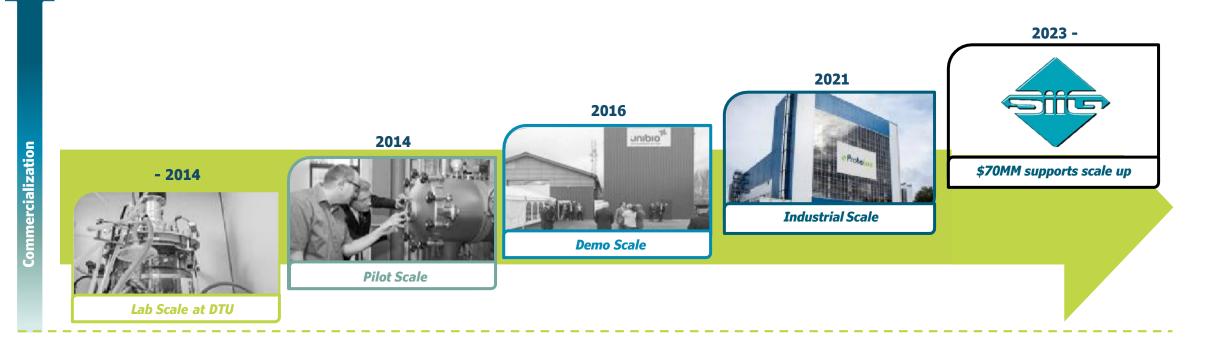


### The creation of Unibio... and more to come



#### Key locations:

- Head Quarter and Research Centre in Roskilde
- Innovation Centre (pilot and demo scale) in Kalundborg





## What has taken us to industrial scale?



#### Hiring the right talents

Ensuring the impact of the strong competencies in key positions

#### Fruitful collaboration with Danish universities

• Adding resources and knowhow for technology and process development

#### Timely scale up to pilot and demo scale

Accelerating process development and enabling customer sampling and application trials

#### Participation in large international collaboration projects across EU

Access to knowledge and augmented funding of development activities

#### Strong IP focus

Protecting competitiveness and an asset of importance for investors

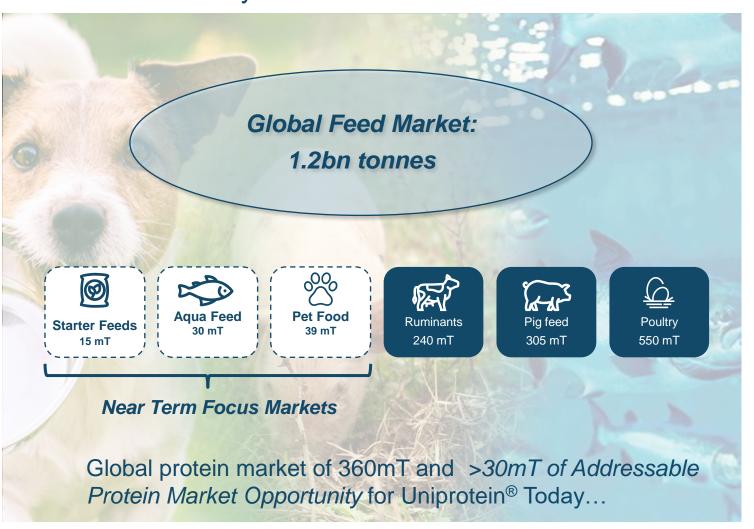




### Delivering on increasing market demand



#### Today's near-term markets



#### ... tomorrow's opportunities





## Short term – Long term strategies



#### Priority 1 Feed







#### Priority 2 Petfood





#### Priority 3 Food



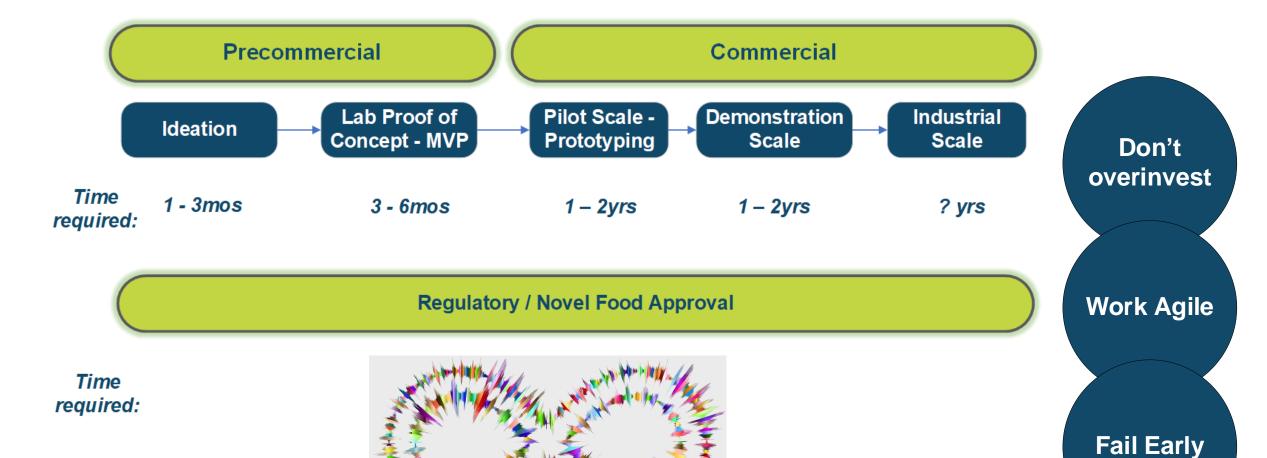






## **Unibio** The long path to product development



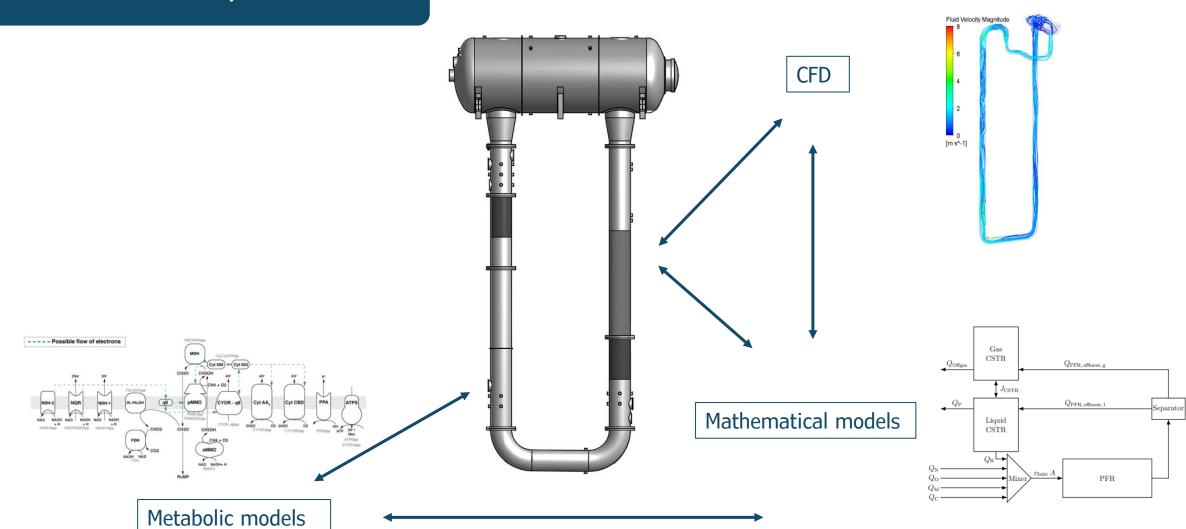




### The importance of the science behind



Invested in more than 20 years of research





### The importance of the science behind



Close collaboration with academia, including...





## **Unibio** A future of creating sustainable change



Relentlessly improving our process and technology efficiency to produce more from less

Science & technology

> Continuously developing DSP to fractionate our process stream into new products for human and animal nutrition

Paving the way for global adoptions of BioSolutions with favorable regulatory pathways to commercialization through joint advocacy

Strategic partnerships

> Increasing our value creation by integrating with other green technologies in transformative set-ups

**Transformative** collaborations

