

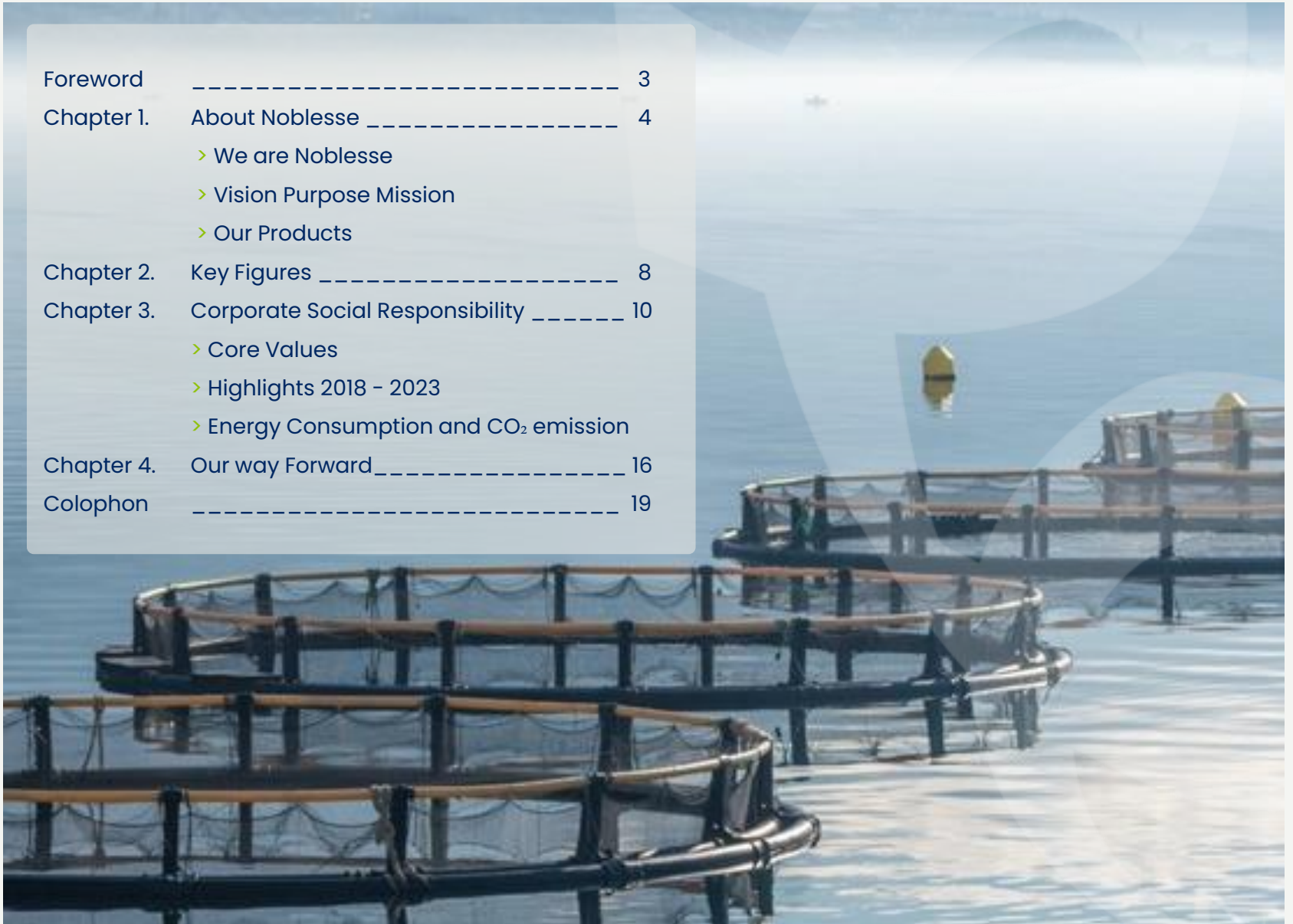


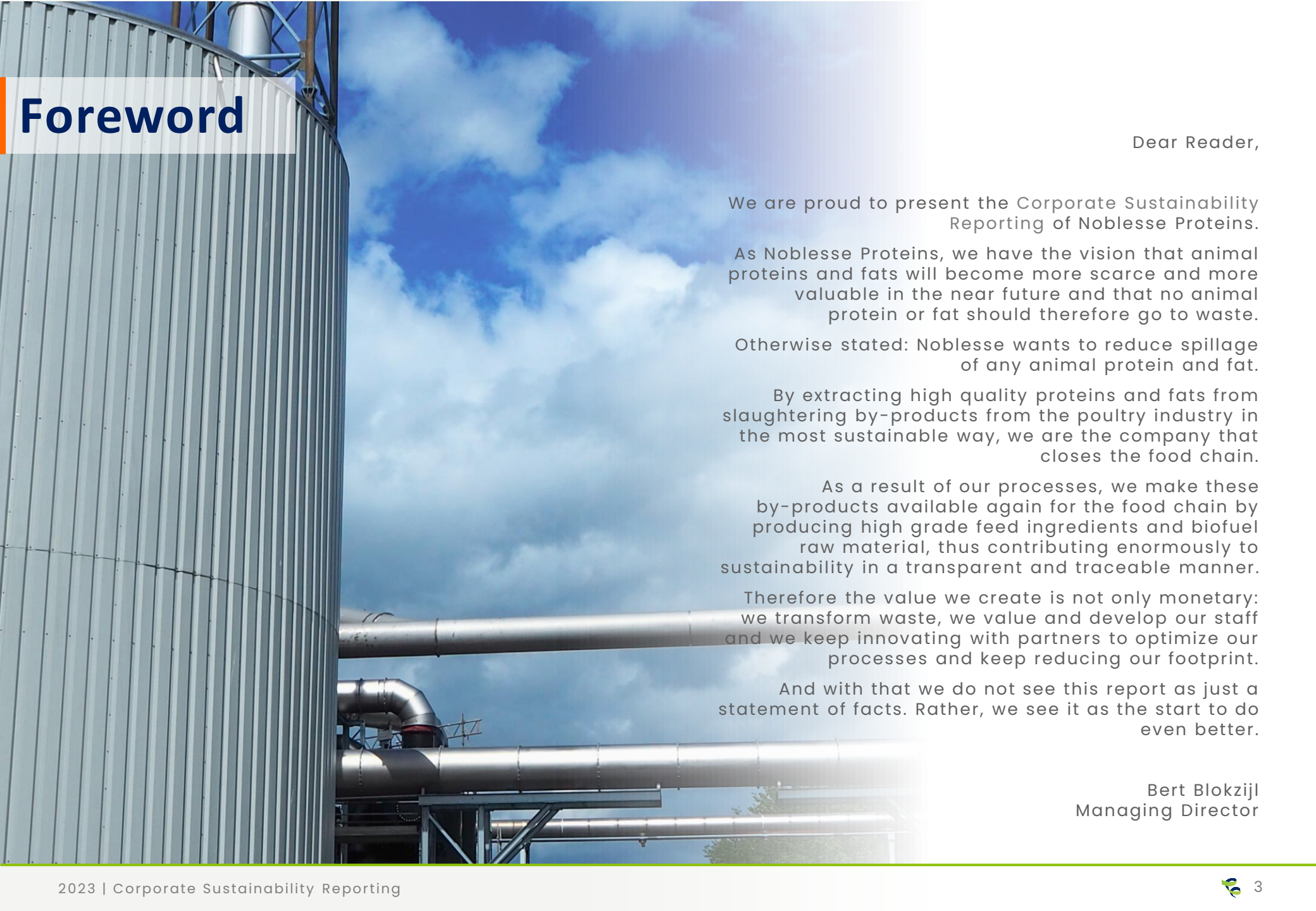
**We value
poultry by-products**

2023 | Corporate Sustainability Reporting

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Foreword

Dear Reader,

We are proud to present the Corporate Sustainability Reporting of Noblesse Proteins.

As Noblesse Proteins, we have the vision that animal proteins and fats will become more scarce and more valuable in the near future and that no animal protein or fat should therefore go to waste.

Otherwise stated: Noblesse wants to reduce spillage of any animal protein and fat.

By extracting high quality proteins and fats from slaughtering by-products from the poultry industry in the most sustainable way, we are the company that closes the food chain.

As a result of our processes, we make these by-products available again for the food chain by producing high grade feed ingredients and biofuel raw material, thus contributing enormously to sustainability in a transparent and traceable manner.

Therefore the value we create is not only monetary: we transform waste, we value and develop our staff and we keep innovating with partners to optimize our processes and keep reducing our footprint.

And with that we do not see this report as just a statement of facts. Rather, we see it as the start to do even better.

Bert Blokzijl
Managing Director

Chapter 1 | We are Noblesse





We are Noblesse

Noblesse Proteins produces meal, proteins and fat exclusively out of category three poultry animal by products. By means of several processes poultry animal by products are processed to high quality proteins and fats which are being used as primary ingredients for pet food, aqua feed, animal feed, biofuel and fertilizers both in Europe and worldwide.

The production location is located at Energy Transition Parc 'Midden Drenthe' and is part of several partnerships to produce as efficient and sustainable as possible. The steam which is used for several processes is a residual by-product coming from the adjacent waste incinerator plant. In addition, a cooperation has been established with a water purification plant at which residual water is purified to surface water quality.



Vision, purpose & mission

VISION

We want to reduce the worldwide protein gap by means of an energy efficient and renewable production process. We are the number one purchaser and supplier and offer complete transparency and traceability

PURPOSE

To reduce the spillage in the food chain by producing high quality proteins and fats out of poultry slaughtering byproducts. By means of closing and starting the food chain we make a major contribution of sustainability

MISSION

We provide customers with raw materials in the form of high quality animal proteins and fats. We do so by means of a technological production facility, close cooperations, continuous improvements and innovation and skilled personnel.

Our products



Poultry meat meal

Noblesse poultry meat meal is the premium grade ingredient for use in pet food and aquaculture diets.



Hydrolysed feather protein

Noblesse hydrolysed feather protein is ideal for aquaculture feed, pet food and fertilizer.



Poultry fat

Noblesse poultry meat meal is the premium grade ingredient for use in pet food and aquaculture diets.



Poultry blood meal

Noblesse poultry fat is an ideal palatant and energy source for pet food and animal feed. It is also used to manufacture biofuels.



Poultry feather protein solution

Noblesse feather protein solution is a wet product, rich in protein which is being conserved with organic acid for application in feed.

Chapter 2 | Key figures



Key figures



€ 53,6 Million turnover

Investments € 2,3 million



1.500 Tons

High quality final product weekly and 4.000 tons incoming product



Holland

All regular supply of raw material originates from Dutch slaughtering



9 Countries export

Belgium, Deutschland, Spain France, Denmark, Finland, Hungary, Chili and the Netherlands



Suppliers

Plukon, Remkes, Van den Bor, Van Ee, Storteboom and Thomassen Duck-To

Men vs Women



Employees

Permanent staff : 36 fte
Temporary Employment : 13 fte

End users



Pet food

As poultry is the only raw material for our products, our meals are high in protein and have high digestibility for pets.



Aqua feed

Noblesse Proteins supplies high. quality ingredients for use in aqua feed, derived from fresh raw materials sourced from known and certified poultry companies.



Animal feed

Our poultry fat, poultry meat meal, poultry blood meal and our hydrolysed feather protein can be used as a high. protein feed ingredient.



Biofuel

Poultry fat is one of our main products. The use of poultry fat in biofuel is a fast. growing development in the drive to meet the 2015 Paris agreement.



Fertilizer

A relatively small portion of our meals and hydrolysates is used to make fertilizers. The high nitrogen content makes these an ideal ingredient.

Chapter 3 | Corporate Social Responsibility



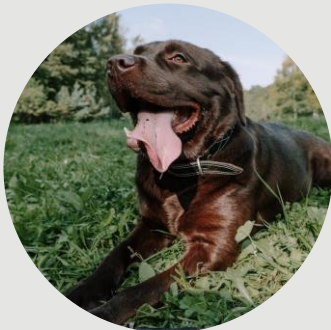


Safety

- > Food safety
- > Working conditions and working safety (SDG 12.4)
- > Working safety is the highest priority (SDG 12.4)
- > We draw each other attention by complying with the safety rules
- > Working safety is discussed every day

Respect for People and Environment

- > We respect people and environment (SDG 5.5, 6.3, 6.4, 12.4)
- > Sustainability is high priority (SDG 12.2)
- > We continuously aim to reduce emissions (SDG 6.3)
- > We continuously aim to reduce the impact on the environment (SDG 6.3, 6.4, 12.4)
- > We treat each other with respect
- > We respect each other
- > We accept each other tasks and responsibilities



Reliability

- > An agreement is an agreement
- > We keep to an agreement
- > We ensure that information provides an accurate representation of the reality
- > We take responsibility (SDG 4.4)
- > We communicate in a correct and clear way
- > We can build upon each other as a team and as an organisation

“We continuously develop to improve and to deliver high quality products”

Collaboration

- > We look further than our own department
- > We improve together (SDG 7.2, 12.2)
- > We learn from each other's strengths
- > We look for each other and complete each other



Innovation

- > We innovate to improve our processes (SDG 12.5)
- > We innovate to improve the quality of our products
- > We innovate to reduce the impact on the environment (SDG 7.3)
- > We are generally improving continuously (SDG 7.3, 12.5)

Quality

- > The quality of our products is the highest priority
- > We check the quality of our raw materials
- > Our production processes are arranged carefully
- > We train personnel
- > We continuously develop to improve and to deliver high quality products



Highlights 2018 - 2023

2018
2019
2020
2021
2022
2022
2023

2019 FIRE

The production location of Noblesse Proteins is destroyed by Fire



2021 PROCES STABILISATION

Stabilisation of the production proces and optimizing the key production parameters



2022 WASTE WATER THREATMENT

A waste water treatment is built on location which purifies water to surface water quality



2023 WASTE WATER THREATMENT

Waste water treatment fully operational Certification GMP+ FSA scheme 2020



2018 BIOBED

A biobed is installed which adsorbes odour components from the air biologically



2020 START UP PRODUCTION

Fully commisioned and back in operation within one year.

Fully certified

- > NVWA recognition
- > GMP+ FSA





2022 ENVIRONMENTAL IMPROVEMENTS

Biobed provided with roof



2022 CIRCULATOR FOODCHAINS

Feather Press water is extracted and valued to usable proteins

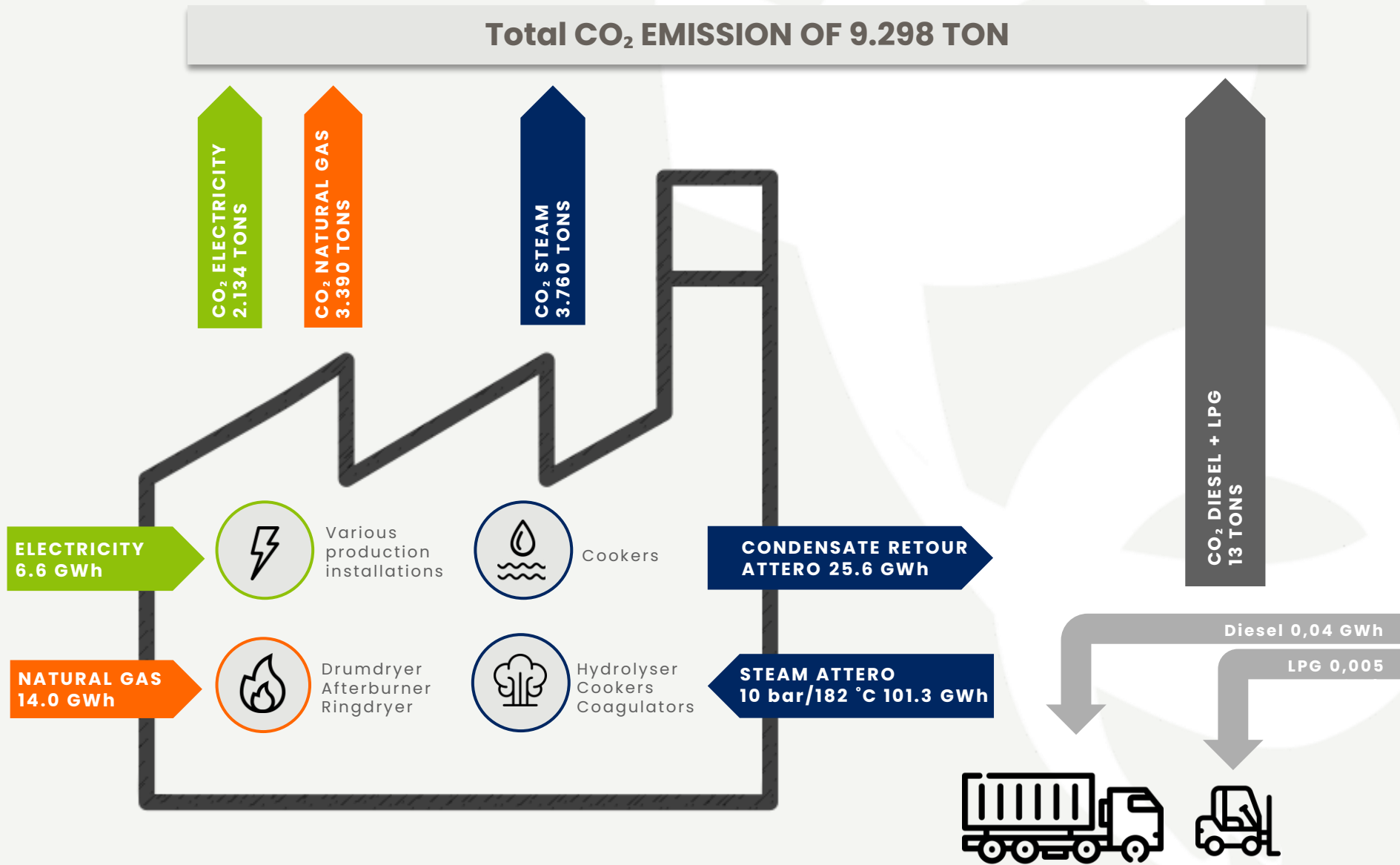


2023 CERTIFICATION

Certification GMP+ FSA scheme 2020




Energy consumption & CO₂ emission



Energy consumption & CO₂ emission

Total CO₂ emission in kg CO₂ per kg produced product

PRODUCTION LINE	PRODUCT	TOTAL CO ₂ EMISSION [kg/kg]
Feather	Feather meal	0.200
Feather	Feather press water	0.029
Meat	Meat meal	0.121
Meat	Fat	0.119
Blood	Blood meal	0.462

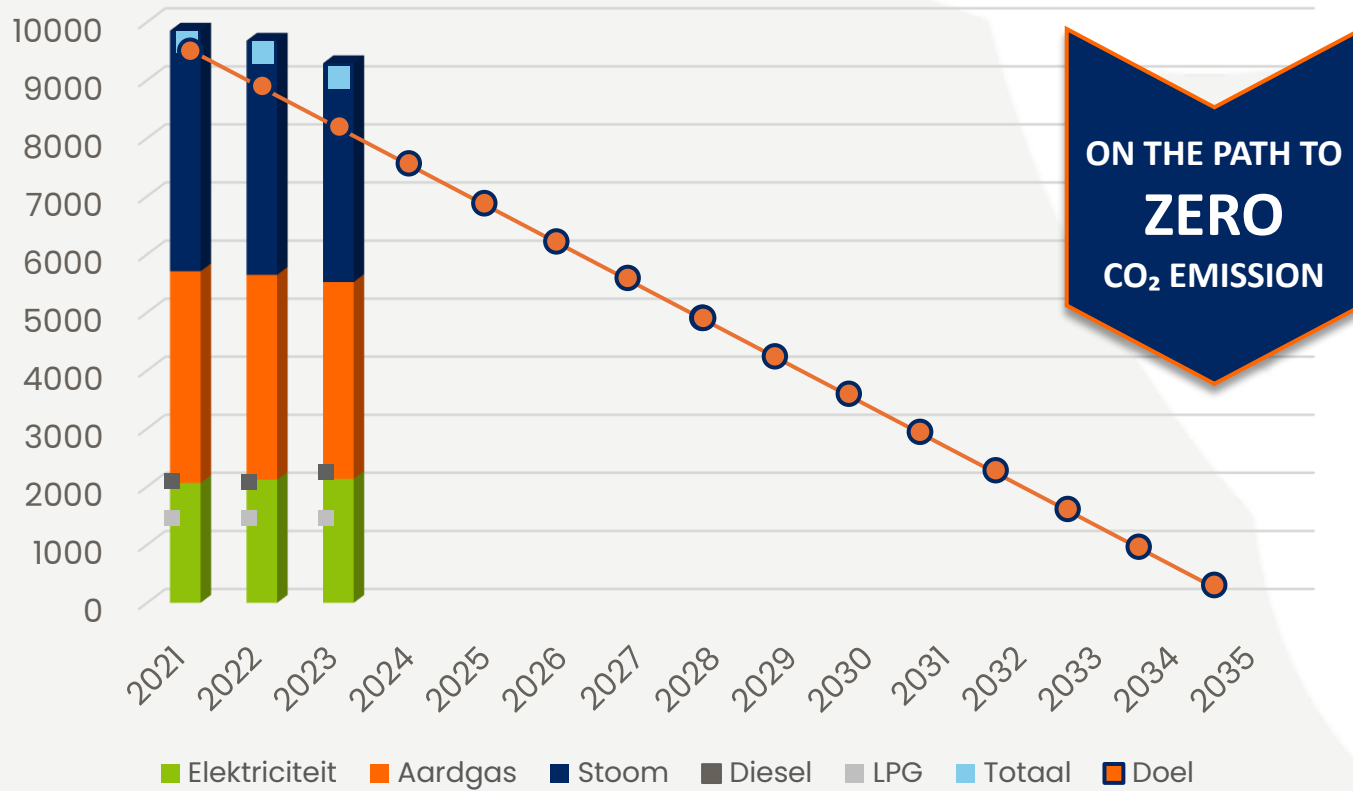
- Steam is a by-product of the adjacent waste incinerator plant
- CO₂ emissions per kg of final product emerging from steam, electricity and natural gas consumption
- GMP+ International certified
- SMETA certification [in progress/evaluation phase/final phase]
- Feather Press Water [keep in the chain/circular/end product/no waste but usable]
- Residual water for filtration

Chapter 4 | Our way forward



Our way forward

CO₂ emission Noblesse Proteins

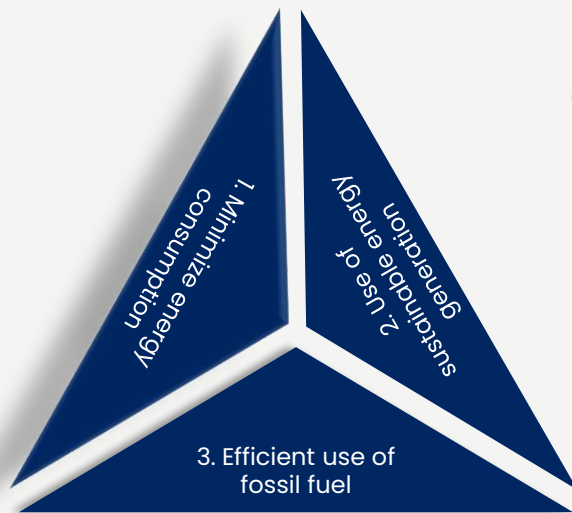


ON THE PATH TO
ZERO
CO₂ EMISSION

Our way forward

Energy

Noblesse aspires to become a CO₂ neutral rendering plant. From the point of view of energy technology Noblesse Proteins uses the method of Trias Energetica.



- 1. Minimize energy consumption** | Noblesse continuously invests in energy efficiency by means of a multiple year energy saving plan
- 2. Use of sustainable energy generation** | Noblesse uses a residual byproduct coming from the adjacent waste incinerator plant. Several researches with respect to carbon neutral gas, carbon neutral electricity and alternative drying technologies are ongoing.
- 3. Efficient use of fossil fuel** | As long as necessary, fossil fuels are used as efficient and clean as possible by means of a thorough maintenance program and technical specifications.

Environment

Noblesse Proteins aims to reduce its residual streams even more.



Colophon

Date of publication: 12 March 2023

This CSR report of Noblesse Proteins covers 2023. The period for reporting and the cycle for reporting is the same for both financial reporting and sustainability reporting. The report has been established by the project team for corporate social responsibility reporting of Noblesse Proteins. This team consists of the manager quality, health, safety and environment, the manager finance and supported by consultancy and engineering agency Sparkling Projects and naam reclamebureau. In the report the Sustainable Development Goals (SDG's) has been taken into account. Noblesse Proteins aims to report on corporate social responsibility annually.

If you have any further questions do not hesitate to contact Noblesse Proteins.

Noblesse Proteins B.V.
Ambachtsweg 7
9418 TW Wijster
The Netherlands

+31 (0) 88 77 55 300

info@noblesseproteins.nl
www.noblesseproteins.nl



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The Netherlands

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