



Getting you closer
to perfection

We stand for the high quality of our products, to get our customers closer to perfection. Find out more about our roots, our products and our applications in this brochure.



A photograph of six industrial workers standing on a metal platform overlooking a large body of bright turquoise liquid. The workers are wearing hard hats and safety gear. The background shows industrial structures under a grey sky. A semi-transparent white box containing text is overlaid on the right side of the image.

**“We deliver
the highest
quality from
the purest
source of
magnesium”**

WE ARE NEDMAG

Our roots

The remnants of the Zechstein Sea lie beneath Veendam, 2000 meters below the ground. A prehistoric sea full of minerals and salts that dried up millions of years ago. In 1972, researchers encounter a remnant of the prehistoric sea and find a rare, bischofite salt layer. The salt layer appears to contain unusually pure magnesium salt. Moreover, the size is unprecedented worldwide.

The decision to extract the magnesium salt from this salt layer ultimately led to the establishment of Nedmag.

This is what we stand for *our mission*

We enrich products and improve processes with magnesium salt of the purest kind to contribute to the lives of people worldwide.

This is what we believe in *our conviction*

We believe that magnesium salt is indispensable. That if, together with partners, we continue to search for innovations – for new markets and opportunities – our magnesium salt offers an infinite source of possibilities in all kinds of applications.

This is what we do best *our strength*

We bring together the purest magnesium salt, the very best people and advanced know-how to constantly search for valuable and innovative applications of magnesium salt.







PRODUCTS



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Magnesium oxide

Nedmag produces non-reactive, synthetic magnesium oxide (MgO), also called Dead Burned Magnesia (DBM) or sinter magnesia. DBM is the main material for basic refractories, used as lining in kilns to produce cement and steel. The product, Nedmag 99, contains 99% MgO, making it the purest of its kind. By years of production experience and a controlled synthetic process, consistent quality is guaranteed.



Magnesium hydroxide

Magnesium hydroxide comes as a stabilized suspension with excellent flow properties. The product is free from impurities and easy to use. It finds its home in various environmental applications as a safe alternative for alkalis like sodium hydroxide.



CaCl_2 Food

CaCl_2 Feed

Calcium chloride

Calcium chloride is produced as a liquid in different concentrations and as concentrated prills. Our calcium chloride production facility is certified for food (FSSC 22000) and feed (GMP+) production.



MgCl_2 Food

MgCl_2 Feed

Magnesium chloride

Magnesium chloride is extracted from a salt layer deep under the ground by dissolving it in water. Part of our magnesium chloride is feedstock to produce MgO , another part of it is processed into pure magnesium chloride flakes and liquid. Magnesium chloride is certified for feed (GMP+) and will be certified for food in the near future.

SUSTAINABILITY

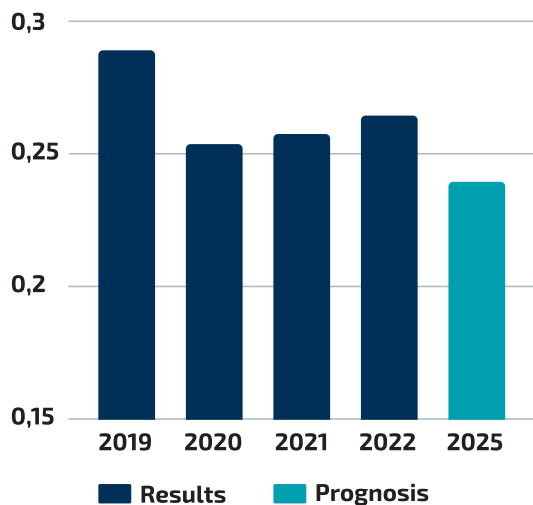
Nedmag is aiming to become fully sustainable by 2035. Through collaboration with local partners, we have successfully completed the intake of green gas in 2019. Our ambition is to increase this intake up to 30%. Furthermore, we explore the intake of other sustainable energy sources, such as hydrogen gas.

Our products add value in numerous sustainable applications. By working together with like-minded partners, we are exploring the benefits of our magnesium products in diverse applications.

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Current and future CO₂ development

The amount of tons of CO₂ emissions, per ton of produced product.





DEDICATED

**“We are
committed
to our
customers,
our
environment
and our
colleagues”**



OUR STRATEGY



CONNECTIVE

A woman with brown hair, wearing safety glasses and a dark lab coat with a green and yellow floral pattern, is holding a black smartphone. She is standing in a laboratory with various glassware and equipment visible in the background. A large window behind her shows a green outdoor area with trees. The word "CONNECTIVE" is written in large white letters at the top left. A quote is overlaid on the right side, and the number "12" is in a small white box on the left.

“We share our knowledge and expertise to move forward with partners”

FACTS & FIGURES



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Production location



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Mining locations



300

Barges per year



150

Employees



750

Indirect jobs created
in the region



1600-1800 m

Dept of magnesium
salt brine

13



100

Export destinations



€120

Million turnover
per year

Getting
you
closer to
perfection

**“Together
we can
achieve
more”**



The focus on sustainability and climate change leads to more attention for the recovery and recycling of important minerals, waste treatment and emissions. This intensifies the importance of industrial solutions for environmental issues. Nedmag focuses on the continuous development of solutions in this area. Moreover, we have set the goal to be fully independent of fossil fuels by 2035. Together with partners, we are expanding our knowledge and challenging ourselves to achieve more. This way, a sustainable future is getting closer every day.

Bert Jan Bruning
Managing Director

MARKETS

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Refractory industry

We offer high quality DBM with unrivaled consistency and purity. Our DBM is the main component for long lasting refractory bricks.



Food & Health

Calcium chloride is a high quality mineral source of calcium for various food products, such as cheese. Magnesium chloride is widely known for its healing properties for the human body, and is therefore a source of magnesium in wellness applications.



Environment

Our stable magnesium hydroxide suspension is used for multiple environmental applications. These include wastewater treatment and exhaust gas treatment in the maritime industry. The maritime industry is served together with partner **Timab**.



Pulp

More sustainable and cost-effective pulp bleaching is possible with magnesium hydroxide. This application is developed together with our partners **Imerys** and **Banmark**.

MARKETS



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Agriculture

Calcium and magnesium minerals stimulate healthy growth of plants and crops. Furthermore, both minerals are essential supplements to animal nutrition. Manure is enriched with magnesium to improve barn climate and form struvite, a slow-release fertiliser.



Industrial

Multiple industries rely on the high-purity salts and products produced in Veendam. Our products enhance properties of different products, from construction material to cleaning sponges and desiccants.



Energy

Calcium chloride is an important component in completion fluids. Nedmag's quality remains within narrow limits to ensure reliable performance.



Safety

Calcium chloride is a highly effective de-icing material, used for winter road maintenance and dust control. The product's environmental impact is lower compared to traditional salt.



Nedmag

Billitonweg 1
9641 KZ Veendam
The Netherlands

Tel: +31 598 651 911
sales@nedmag.nl

NEDMAG.COM