



Don't be surprised +  
**IT'S MAGNETISM.**



**neorem magnets**



# EXCELLENCE AT YOUR SERVICE.

Though founded in 1995, Neorem Magnet's roots are further in the past. As a part of Vacuumschmelze permanent magnets our position is stronger than ever in European magnet production.

Neorem Magnets manufactures high-quality NdFeB permanent magnets in Europe. Our target is to find the most suitable and cost effective solution in close co-operation with the customer. We provide demanding magnet grades and shapes and our magnets are globally licensed – including direct and indirect import to Japan.

We are a European producer of NdFeB permanent magnets for motors and generators, especially for renewable energy applications. We are participating in the fight against climate change. Our vision is to help make the Earth a better place to live and therefore we see that the true color of our magnets is green.

## APPLICATION ENGINEERING

Our experts will help you to find the best possible solution for your magnetic application.

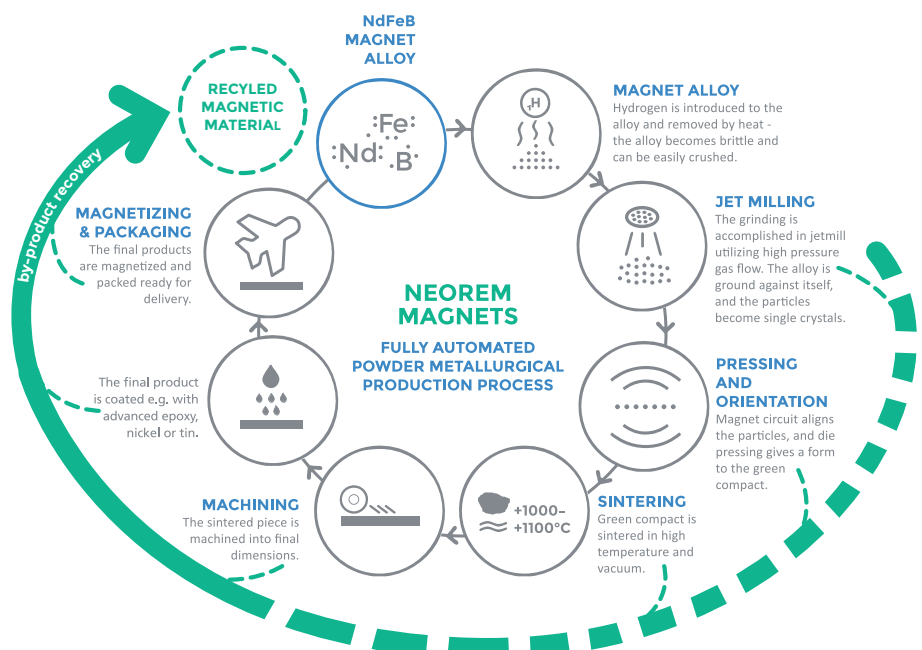
## ENGINEERING

We offer you our extensive expertise in magnet circuit design, magnet production and related technology. Our magnet products are made to last for decades even in demanding conditions. Innovation is where we stand out.

## FULLY LICENSED MAGNETS FOR YOUR GLOBAL OPERATIONS

## PRODUCTION PROCESS

Our magnets are produced powder metallurgically in a highly automated factory. Quality is integrated in each manufacturing step.



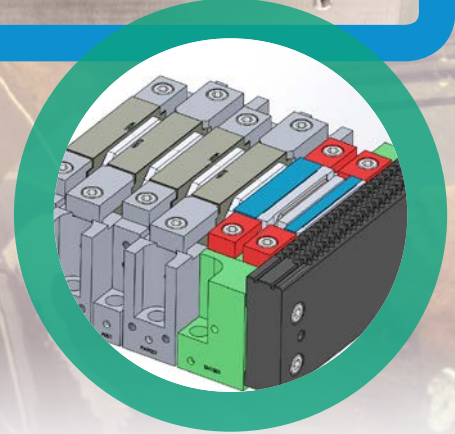
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# INNOVATION IS DRIVEN BY CHALLENGES.

Often new customers confront us with magnet designs which are considered impossible to produce at reasonable cost. Inspired by this, we eventually end up developing the most cost effective, innovative and competitive magnet solution for our customer. Many of our most successful products are originated from the most challenging basic designs.

- VESA KANKARE

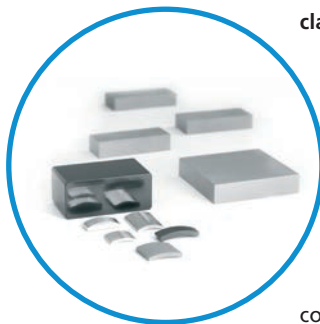
Sales Director  
Neorem Magnets



## MAGNET ASSEMBLIES

We are an experienced supplier of different types of magnet assemblies:

- Pole elements for large electric motors and generators.
- Components for actuators and sensors.
- Undulator and wiggler type X-ray sources for particle accelerators.
- CMM measuring for assemblies up to 1.6 m in length and over 0.5 m in height



## PERMANENT MAGNETS

We have three standard series of sintered NdFeB magnet grades with various coatings up to offshore classification:

- **NEOREM 500** series general grade with moderate magnetic and corrosion properties.
- **NEOREM 700** series grades characterized by improved remanence, coercivity and corrosion resistivity.
- **NEOREM 800** series for most demanding applications with extreme magnetic properties.

## QUALITY AND OCCUPATIONAL SAFETY

Our quality policy is to guarantee that our products and operations meet your requirements and the products are delivered on time. We offer a safe OHSAS 18001 certified working environment and are constantly developing it further to keep our occupational safety at zero incident level.

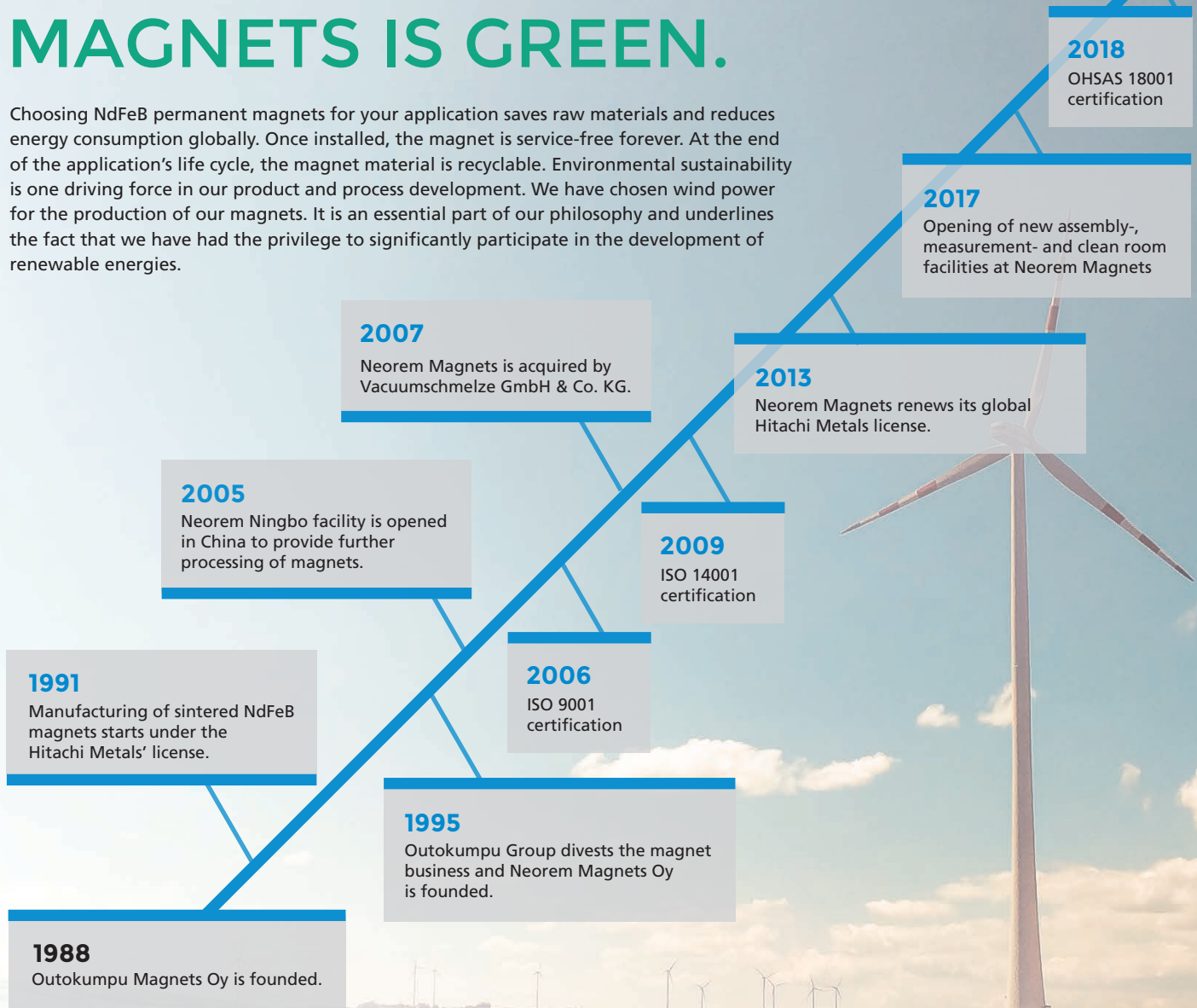
## ECOLOGISTICS

Our aim is to continuously develop our processes in order to further minimize their environmental impacts. When using our magnets you benefit from a long lasting and cost effective solution, designed for demanding applications. Magnet material is a recyclable and our production process includes the recovery of by-products to be used as raw material for new magnetic alloys. Developing this technology is an important part of our R & D activities.



# THE REAL COLOR OF MAGNETS IS GREEN.

Choosing NdFeB permanent magnets for your application saves raw materials and reduces energy consumption globally. Once installed, the magnet is service-free forever. At the end of the application's life cycle, the magnet material is recyclable. Environmental sustainability is one driving force in our product and process development. We have chosen wind power for the production of our magnets. It is an essential part of our philosophy and underlines the fact that we have had the privilege to significantly participate in the development of renewable energies.



## OVER 30 YEARS OF MAGNETIC EXPERTISE

Our values are based on customer-oriented policy and thus our first and foremost aim is to provide our customers with the best possible service all the way from the preliminary ideas until the delivery of the final product. In addition to the magnets and assemblies, we supply a complete package of designing assistance and magnetic know-how. Our efforts have been recognized by continuing Kone Gold level supplier status.

Further information about our magnets can be found in the datasheets and on our web site.

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