

Achieving  
greatness  
requires  
great work.

rothe erde® slewing bearings  
psl® rolling bearings  
rothe erde® rings



thyssenkrupp



We keep the future  
world turning.



Our future  
is as  
perfect  
as a circle.

Our partners understand:

**Motion means security, progress and a future perspective.**  
We at thyssenkrupp rothe erde are the leading global manufacturer of slewing bearings, rolling bearings and one of the largest producers of seamless rolled rings. Every day, we contribute to keeping everything rolling smoothly – all around the world.

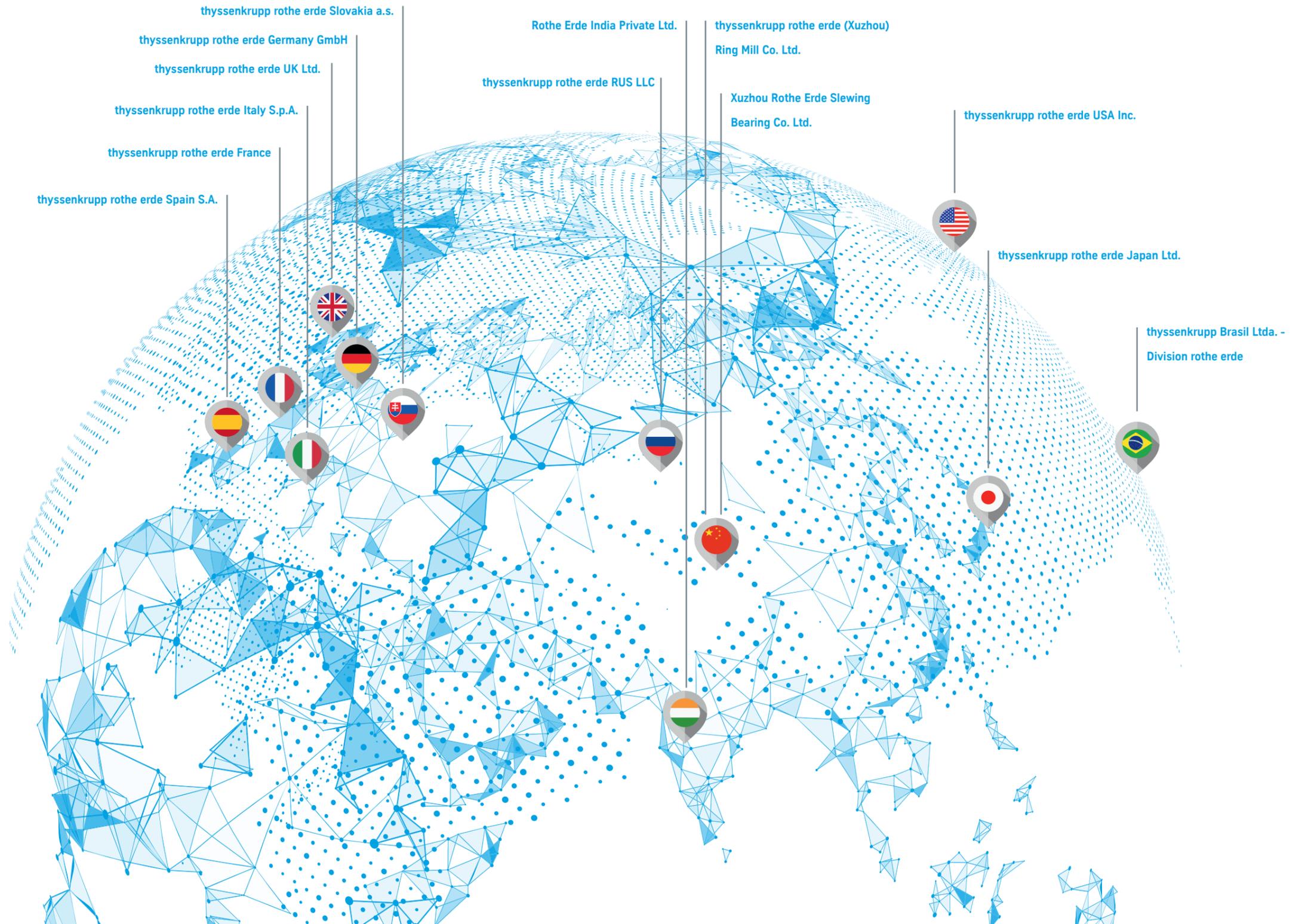


# We're there where you need us.

Greatness is not just a matter of opinion. It's what our work requires.

thyssenkrupp rothe erde is specialized in the production of slewing bearings, rolling bearings and seamless rolled rings which are used in a wide range of industries. Every month more than 7,000 employees transform 15,000 tons of steel into customer-specific solutions.

## Around the world – thyssenkrupp rothe erde



# Today and in the future.

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67

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**1934**

Foundation of the company  
Eisenwerk Rothe Erde GmbH  
Start of slewing bearing production

**1967**

Expansion to include production facility in Japan

**1976**

New foundation of the plant in Brazil

**2002**

Expansion to include a production facility in China

**2018**

Uniform global presence as thyssenkrupp rothe erde Group



**1962**

Foundation of the first production facility in the USA

**1975**

Expansion by production facilities in Italy, Spain and England

**1995**

Expansion by production facility in Slovakia

**2006**

Foundation of further production facilities in China and India

**1855**

Foundation of Paulinenhütte Eisen-, Hammer- und Walzwerk Dortmund

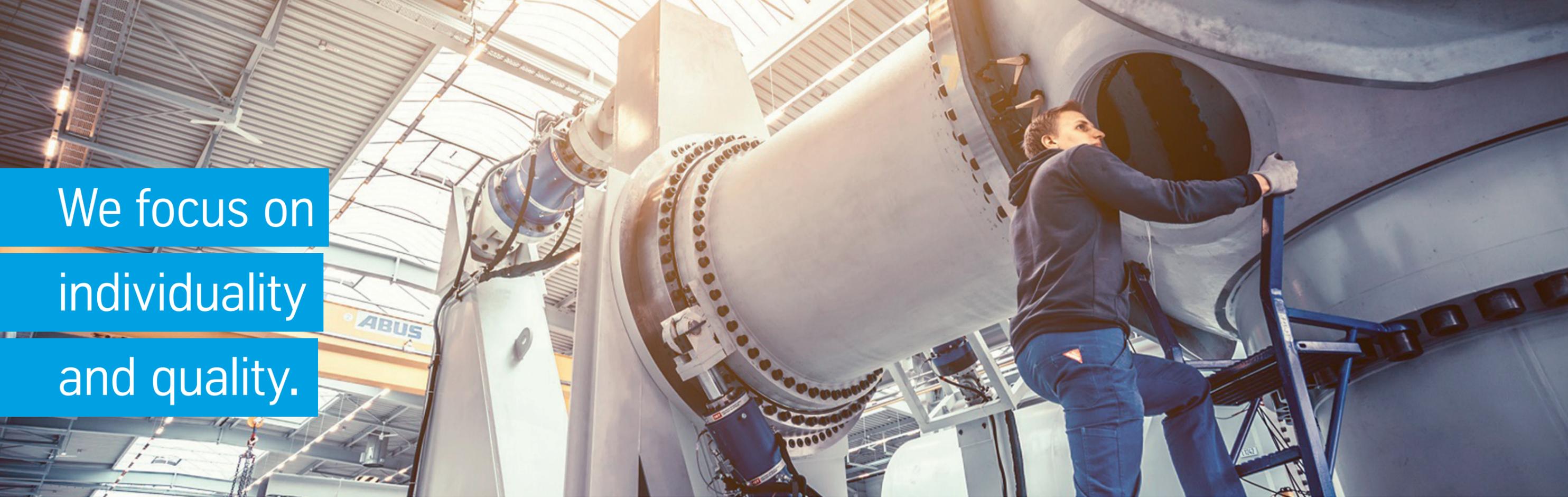
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We focus on  
individuality  
and quality.

thyssenkrupp rothe erde -  
Our product brands:

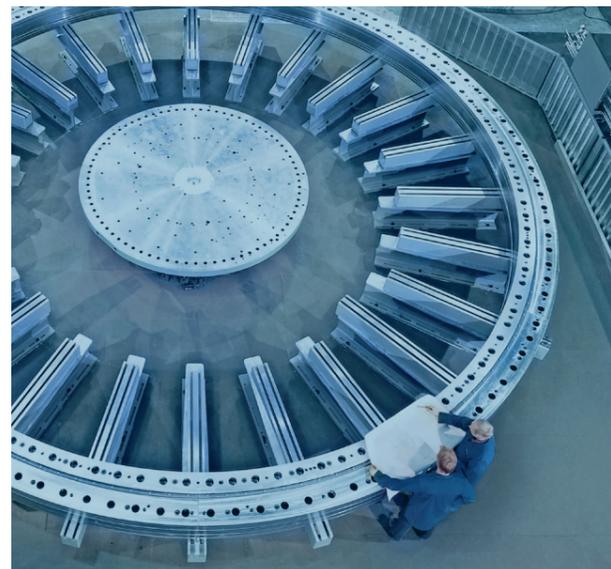
## rothe erde® slewing bearings

Of dwarfs and giants

rothe erde® slewing bearings are designed and manufactured exactly to customer requirements.

This ensures finding unique solutions for every construction type, material quality, and performance.

rothe erde® slewing bearings prove themselves day in and day out as key construction and connecting elements.



### Global market leader

thyssenkrupp rothe erde produces slewing bearings with diameters of up to 25 meters and seamless rolled rings that weigh up to 30 tons per piece.



## rothe erde® rings

Bulk in perfection

With more than 150 years of experience in the steel industry, rothe erde rings are known for quality and dependability.

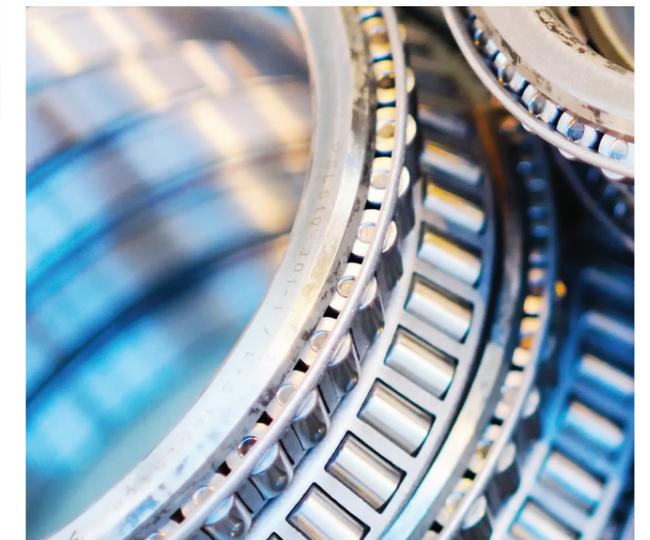
With our know-how from free-form and drop forging, we have been able to develop and apply the technology of seamless rolled rings (radial-axial rolling mill technology) right from the beginning with the aim to develop it continuously.

## psl® rolling bearings

Quality for heavy-duty and high-precision applications

Under the psl® brand, thyssenkrupp rothe erde manufactures a wide range of single, double and multi-row tapered, cylindrical, toroidal and spherical rolling bearings.

Our bearings are available in various sizes. We are constantly developing our product range, in order to meet market requirements.



# Mobility in every way.



## Construction and infrastructure

Metropolitan areas are growing at an increased rate. Forecasts predict that in the next 30 years, i.e. within just one generation, another three billion people will move to the world's metropolitan areas. This results in massive challenges not only for transport and traffic, but also for infrastructure and building construction.

At thyssenkrupp rothe erde, we are actively shaping the cities of tomorrow with innovative products: Whether with solutions for passenger transport or for the handling of construction projects.



## Renewable energy

As a diversified industrial company with outstanding engineering skills, thyssenkrupp rothe erde supplies innovative products, processes and solutions to meet the growing global demand for energy.

As robust, compact connecting elements, our slewing bearings, rolling bearings and rings in wind turbines, hydroelectric and tidal power plants and solar plants make a significant and sustainable contribution to protecting the climate and resources worldwide.



## Mechanical and plant engineering

Mechanical and plant engineering, as a classical engineering science, is a highly innovative industry today.

The continuous development of state-of-the-art processing technologies and the use of high-performance materials allow us to always offer our customers the optimum bearing design. Slewing bearings and rolling bearings from thyssenkrupp rothe erde are ideal components for bearings in mechanical and plant engineering.



## Oil and gas

We at thyssenkrupp rothe erde are meeting the challenges of energy supply: With a broad range of products and services, we are the technology partner for many of the largest companies in the oil and gas industry. We are active in the most important oil and gas markets and can offer our customers a global network of specialists for supplying materials and subcontracting.

This network of locations ensures a high level of quality service all over the world.

## Transport and conveyor technology

Our products ensure smooth operation even under the toughest operating conditions. Both in the mines of this world, where large excavators, stackers and reclaimers are in service, and on rough seas, where robust offshore cranes are used for oil production platforms.

thyssenkrupp rothe erde offers special solutions for countless areas of application in transport and conveyor technology.



## Precision applications

Certain applications require rolling bearings and slewing bearings with a particularly high degree of precision under exceptional operating conditions. For example, when it comes to the use in or for the observation of space or the safety of patients during a medical examination.

thyssenkrupp rothe erde is home to the world's largest slewing bearing research and development facility for R&D work. The high quality and documentation requirements are ensured by a certified quality management system.

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