thyssenkrupp in India

Corporate presentation

April 2021

engineering. tomorrow. together.

thyssenkrupp

Agenda

1 Overview thyssenkrupp Group

2 thyssenkrupp India


We are an international group of companies
made up of largely independent industrial and
technology businesses

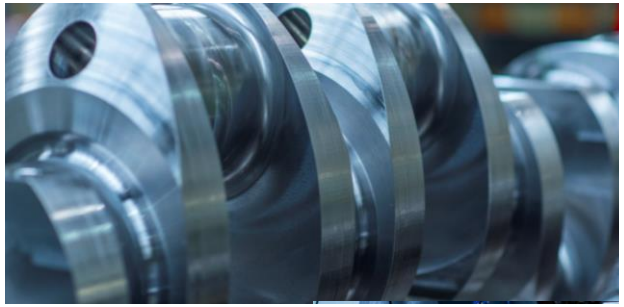
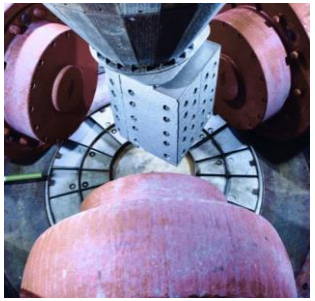
Fiscal Year 2019/20| thyssenkrupp Corporate Headquarter in Essen, Germany

Our businesses

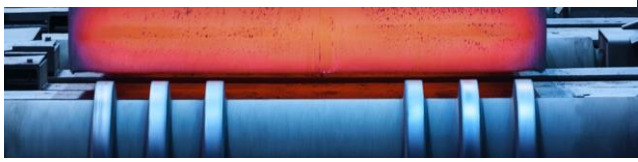
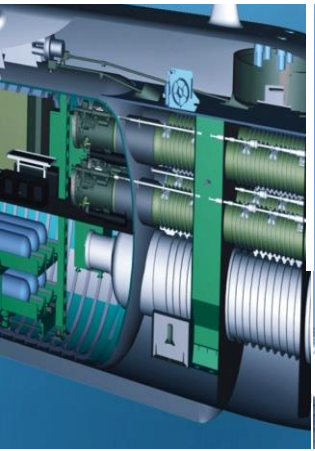


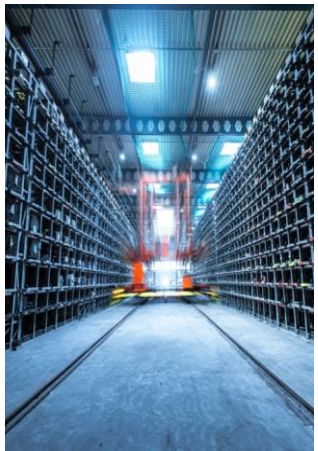










engineering. tomorrow. together.
Three words to describe who we are
what we do, and how we do it.


engineering.
We advance our customers – with big and small solutions
“engineering” describes how we think


tomorrow.
We are dedicated to future challenges
and develop sustainable solutions to improve our life


together.
We share our knowledge,
combine and leverage it to create innovations


We enable sustainable energy:
thyssenkrupp is one of the world’s leading suppliers of
slewing bearings for wind turbines


We manage giant puzzles:
Orchestrating supply chains for the aerospace industry
with millions of parts from hundreds of suppliers


We manage complexity:
Building turnkey clinker production lines
with the option to use alternative fuels


We mix ideas to create right solutions:
Creating complete chemical plants
from EPC to technical and operating services


We shape sustainable mobility:
Hybrid materials for the automotive industry
Strong as steel, but far lighter

We share common values and take on responsibility

for the global community that we live and work in

Agenda

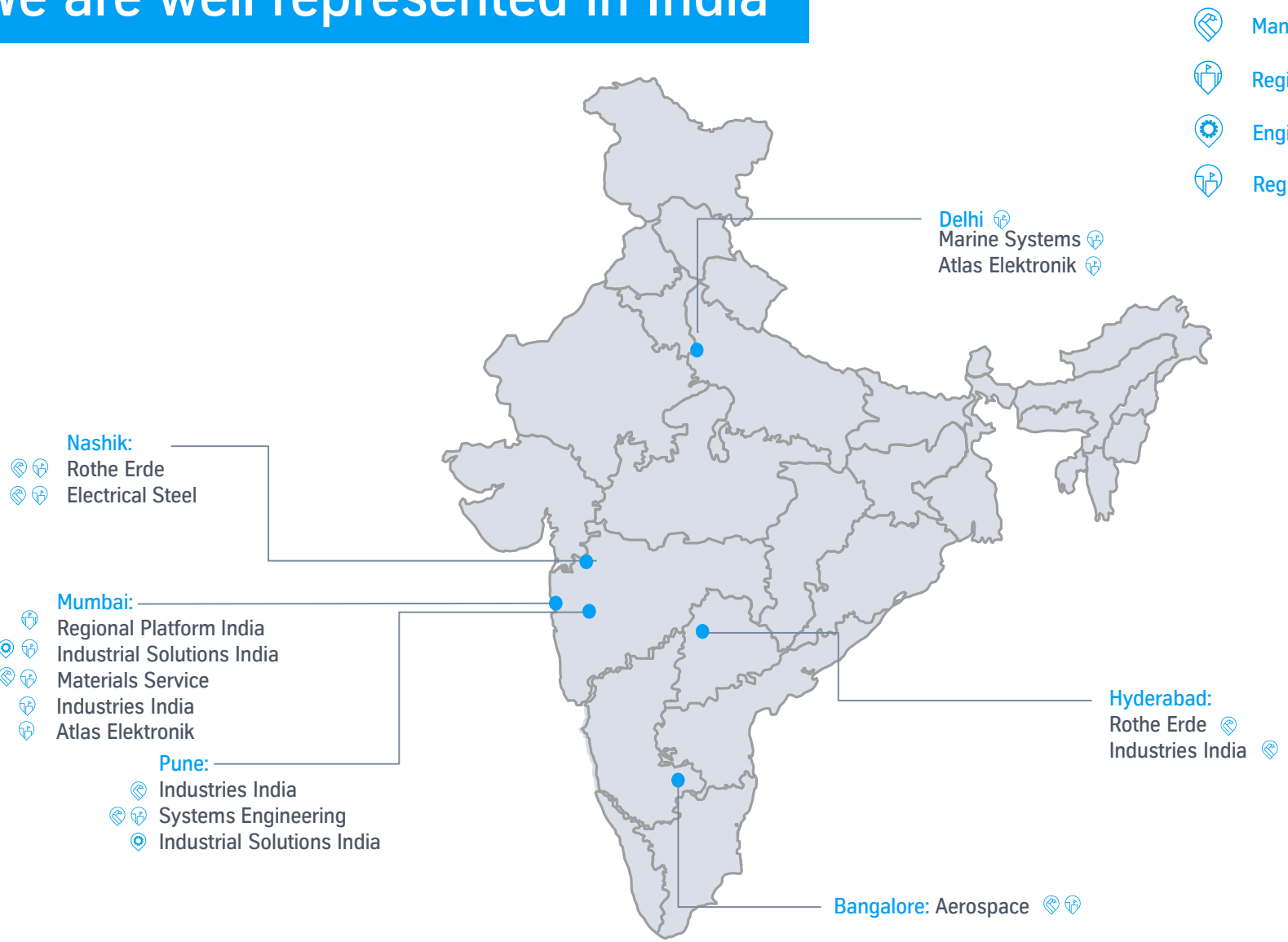
Partner in India for over 150 years

Sales of over ₹ 3,433 crore with >4000 employees

As a globally diversified industrial group, we want to create value for all our stakeholders and become the market leader in all our areas of operations in India.

€400 million sales
Fiscal Year 2019/20| thyssenkrupp Regional Platform in Mumbai, India

We are well represented in India



Our Indian operations are managed by local teams

We operate a global network of experts

Gyan Mishra
Managing Director
thyssenkrupp India

Khalil Raman
Chief Executive Officer
Marine Systems India &
Atlas Elektronik

Joydeep Bhattacharjee
Managing Director
Electrical Steel India

P.D. Samudra
CEO & Managing Director
and Member of the Board
Industrial Solutions India

Manish Aggarwal
Managing Director and
Chief Executive Officer
Rothe Erde India

Gopi Hanumanthappa
Managing Director
Aerospace India

Vivek Bhatia
CEO & Managing Director
and Member of the Board
Industries India

Oneide Marcelino Chimello Junior
Chief Executive Officer
Forged Technologies India

Raghuraj Deshpande
Managing Director
System Engineering India

Market leading technology across diverse industries

- Our unique cold cyclone technology with least emission levels for CFBC boilers
- Powering over 60% windmills in India
- Over 60% market share in Cryogenic Ammonia storage tanks
- Over 70% market share in Chlorine Plants
- First and only dedicated Aerospace material and logistics facility
- Only manufacturer of CRGO steel

We see ourselves as part of the Indian society

Corporate social responsibility in India

Support of the hockey village

Donation of computers to schools

Blood donation events, Mumbai and Pune

Donation of equipment to hospitals

Agenda

Automotive

Trends

The auto industry is undergoing a strong transformation.

Manufacturers face multiple trends from electrification, new competitors, etc.

Components

- Machining of crankshafts for medium and heavy commercial vehicle engines

Systems

- Plant design and automotive assembly systems for auto and engine OEMs

Services

- Services for automotive assembly technology

Construction, Buildings & Infrastructure

Trends

Our cities are growing rapidly. According to forecasts, the number of people living in cities is set to increase by three billion in the next 30 years. This will pose trends for transport and traffic – and for infrastructure and the design of buildings.

Components

- Track chains, frames, shafts, crankshafts and bearings for construction equipment
- Construction materials

Systems

- Cement plants and aggregate crushing machines, e.g. for basalt, limestone, granite

Services

- High-quality spare parts and after sales services (e.g. modernization, modification, relocation, spare parts supply management)

1. Passenger boarding bridges

Mining & Metals

Trends

Mining is a key sector in the exploitation of raw materials. Capital spending in the sector has increased steadily in recent years to meet growing demand for raw materials from manufacturing industry.

Components

- Bucket Wheel Excavators
- Spreaders
- Long distance Conveyors/Shiftable Conveyors
- Crawler mounted trippers
- Stacker cum Reclaimers
- Wagon Tipplers
- Crushing & screening equipment

Systems

- Open-cast mining systems and equipment for various minerals (e.g. coal, lignite, iron-ore, bauxite, limestone, etc.)
- Material handling systems from individual machines to complete solutions for mining and metallurgical plants
- Minerals processing for various minerals

Services

- Maintenance, rejuvenation & modernization and spare parts

Chemicals

Trends

In times of highly volatile raw material prices and ever tighter environmental regulations it's a challenge to improve cost efficiency and sustainability.

Systems

- Development, design, and building of plants for fertilizers, petrochemicals, refinery units, organic/inorganic chemicals, storages, and industrial products
- Related materials handling systems

Services

- High-quality spare parts and aftersales services (e.g. modernization, modification, relocation, spare parts supply management)
- Engineering consulting in LSTK, PMC and EPCM modes for plants, i.e. fertilizers, petrochemicals, organic chemicals, refinery units, chlor-alkali, etc.

Energy Generation & Distribution

Trends

While fossil resources are in ever scarcer supply, demand for energy is growing – throughout the world. So how can we manage energy responsibly? And how can we develop renewable energy sources?

Components

- Slewing bearings up to 3.5 meter
- Grain oriented (GO) and non-GO based electrical steel for transformers and generators
- Only manufacturer of CRGO steel in India

Systems

- Boilers up to 150 MW using the various boiler types, e.g. CFBC boilers, biomass boilers, oil/gas-fired boilers, waste-heat, etc.
- Balance of plants for larger plants

Services

- High-quality spare parts and after sales services (e.g. modernization, modification, relocation, spare parts supply management)

Food & Beverage

Trends

Favourable monsoon this year has raised hopes for higher sugar output. Favourable Ethanol policy being planned by the government.
SEA countries are investing in Sugar sector.

Components

- Centrifugal Machines
- Mills
- Falling Film Evaporators
- Continuous Pans

Systems

- Full Sugar Plants and machinery
- Milling Plants
- Process House
- Bagasse fired Boiler
- Balance of Plant

Services

- High-quality spare parts and after sales services (e.g. modernization, modification, relocation, spare parts supply management)

Aerospace

Trends

Air traffic volumes are rising – above all in the USA, but also in China, India, and Russia. Global demand for aircrafts is growing. New manufacturing facilities are being built

Components

- Aluminum, steel, titanium and non-metallic materials

Services

- Supply chain management

Mechanical & Plant Engineering

Trends

For the engineering sector, accessing new markets is a challenge because the playing field is changing. Increasingly stringent energy and environmental requirements are hurdles, but we have them clearly in sight.

Components

- Slewing bearings up to 3.5 meter

Systems

- Cement plants
- Wagon Tipplers
- Mining e.g. Barracuda Excavator
- Stacker cum Reclaimers

Services

- Engineering consulting for plants, i.e. fertilizers, petro-chemicals, organic chemicals, refinery units, chlor-alkali, etc.
- Maintenance services

Oil & Gas

Trends

The energy industry is in transition. While oil remains a reliable raw material, gas, and renewable energies have gained in importance in recent years.

Components

- Slewing bearings up to 3.5 meter

Systems

- Upstream: Core engineering, consulting/ design services, due diligences studies on behalf of prospective purchasers of infrastructure, assets, and prospects
- Downstream: End-to-end solutions for a variety of refinery units; associated with India's leading oil refining and marketing companies for their MSQ upgradation and refinery refurbishment programs
- Engineering consulting for refinery units

Shipbuilding

Trends

Over 80 percent of world trade is handled by ship, and the trend is rising. At the same time demands on modern ships are also increasing, in terms of equipment, efficiency, and size.

Components

- Slewing bearings up to 3.5 meter
- Steel products and other materials

Systems

- Escalators and elevators
- Naval ships and submarines

Services

- Maintenance and modernization for all elevator and escalator products

Special Vehicles

Trends

Special vehicles on modern construction projects operate under high requirements. Contemporary architecture requires complex ground preparation, a challenge that impacts directly on the design of the equipment.

Components

- Slewing bearings up to 3.5 meter (e.g. diggers, antennas, tunnel diggers, medical scanners, etc.)
- Machining of crankshafts for special vehicles

Systems

- Standard machines for crushing and sizing rocks up to 5 mm

Thank you!

આભાર ધન્યવાद ਤੁਹਾਡਾ ਧੰਨਵਾਦ

ধন্যবাদ ಧನ್ಯವಾದಗಳು

നന്ദി تو هان جي مهرباني நன்றி

ధన్యవాదాలు آپ کا شکریہ