

YOUR PROCESS. OUR PASSION.

The direct route to gaining new impetus

Thankfully, there is Reitz India, which would be delighted to stand by. With new ideas, with a highly-qualified team, and with the commitment of a professionally managed business and, of course, with reliable, top-notch fan technology. We look forward to engaging in dialogue with you.



We're there for you

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 /ReitzGroup |  /reitz.india/ |  /company/reitz-india-ltd/

www.reitzindia.com

Do you expect new impetus?



**The leading edge in
fan engineering.
Welcome to Reitz India !**

Why will you always get more value for your money when purchasing fans from Reitz. We deliver not only products but also our entire wealth of experience, our reliability as a professional business unit and, above all, a plethora of ideas on how to put your plans into practice safely and efficiently.

Performance based on business experience

Reitz India Limited was established in 1998 as an Indo-German Joint Venture Company with technical and financial collaboration of M/s Konrad Reitz Ventilatoren GmbH Germany, leader in centrifugal technology in Europe. Since its inception, Reitz India has remained as a progressive organisation offering tailor made solutions to its customers thus earning its name as a leading fan company in India and abroad.

Impetus for your new projects Are you ready for new ideas?

It is our philosophy to improve technology, to make operations more efficient and to provide our customers with the best possible support. In order to provide you with new impetus we,

- Improve fan performance by retrofitting the impeller into existing fans
- Optimize energy-saving and environmentally-friendly concepts such as rotational speed control
- Develop and improve methods such as wear protection, which lengthen the service lives of our fans even further
- Offer more safety and efficiency due to pre-engineering, tailored to requirements
- Check standardized procedures and concepts with regard to cost-effectiveness
- Welcome constructive exchanges and dialogue

About Reitz India

Reitz India Limited (RIL) is one of the leading industrial fan manufacturers located in Hyderabad, India. RIL is a 50-50 joint venture between Konrad Reitz Ventilatoren GmbH, Germany and Indian promoters. For the last 24 years, since inception, RIL has supplied over 36,000 fans from state of the art manufacturing facilities (Area 20,000 Sq.Mts) to different process industries, especially Oil & Gas Industry in India, Europe, Middle East, South East Asia, USA, Australia and Africa.

Check our website www.reitzindia.com for more details.

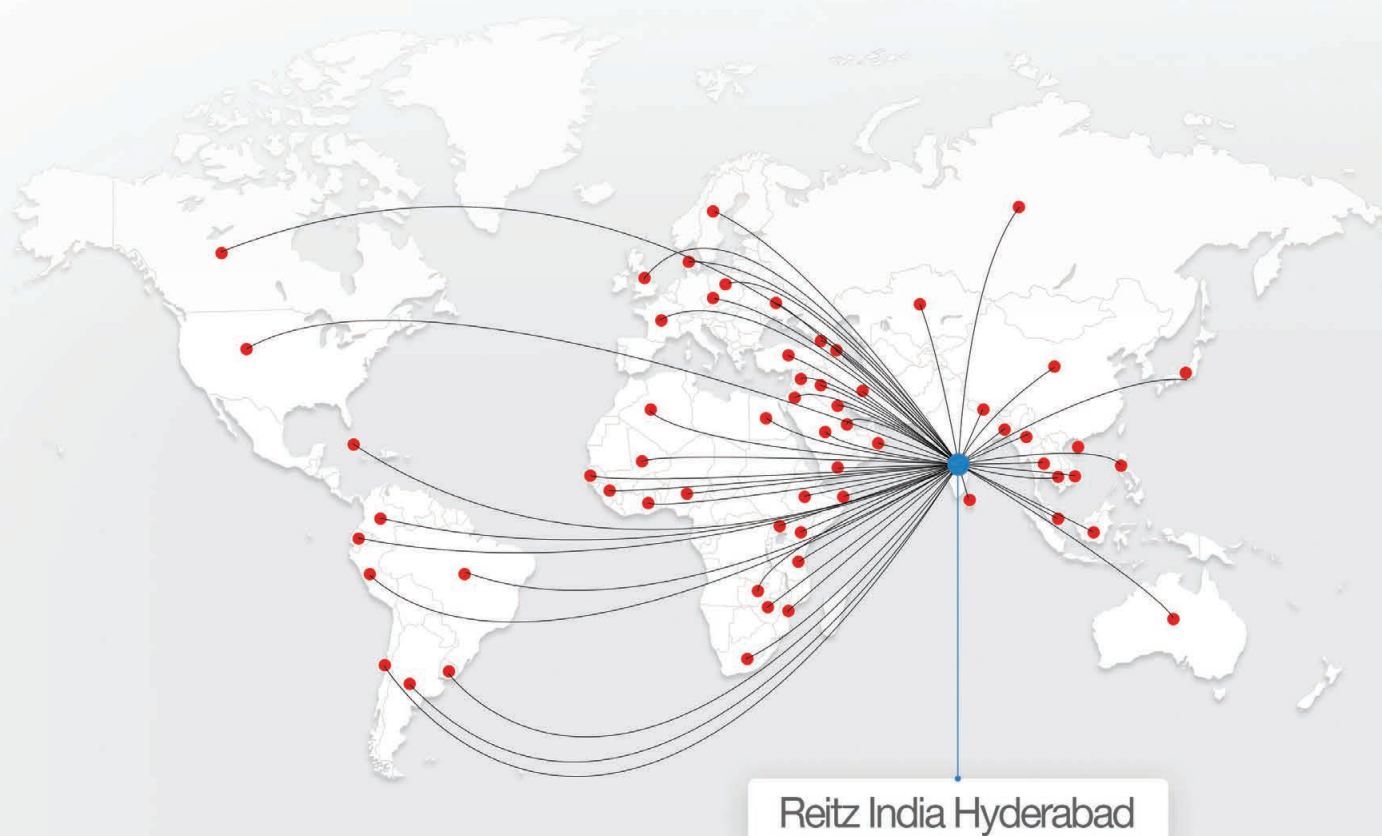
Reitz Group

Konrad Reitz Ventilatoren GmbH & Co. KG (KRV), Hoxter, Germany : KRV Germany is a 74 year old company supplying high efficiency centrifugal fans to all process industries. Reitz can offer fans ranging from 3 Kw to 12,000 Kw and Impellers diameter from 500 mm to 6,000 mm. KRV Germany is an ISO 9001:2015, ISO 14001:2015, OHSAS 45001: 2018 company. For further details of KRV Germany, you may log on to www.reitz-group.com.



More activity and support worldwide: The Reitz Group

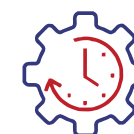
With Reitz Group companies located all over the world and manufacturing plants in Germany, India and China, the Reitz group guarantee that you will receive the right support required to carry out your plans with the typical high standards of Reitz and with the prevailing conditions of the respective country taken into account.



62+ Countries
Global reach



36,000
Total fans delivered



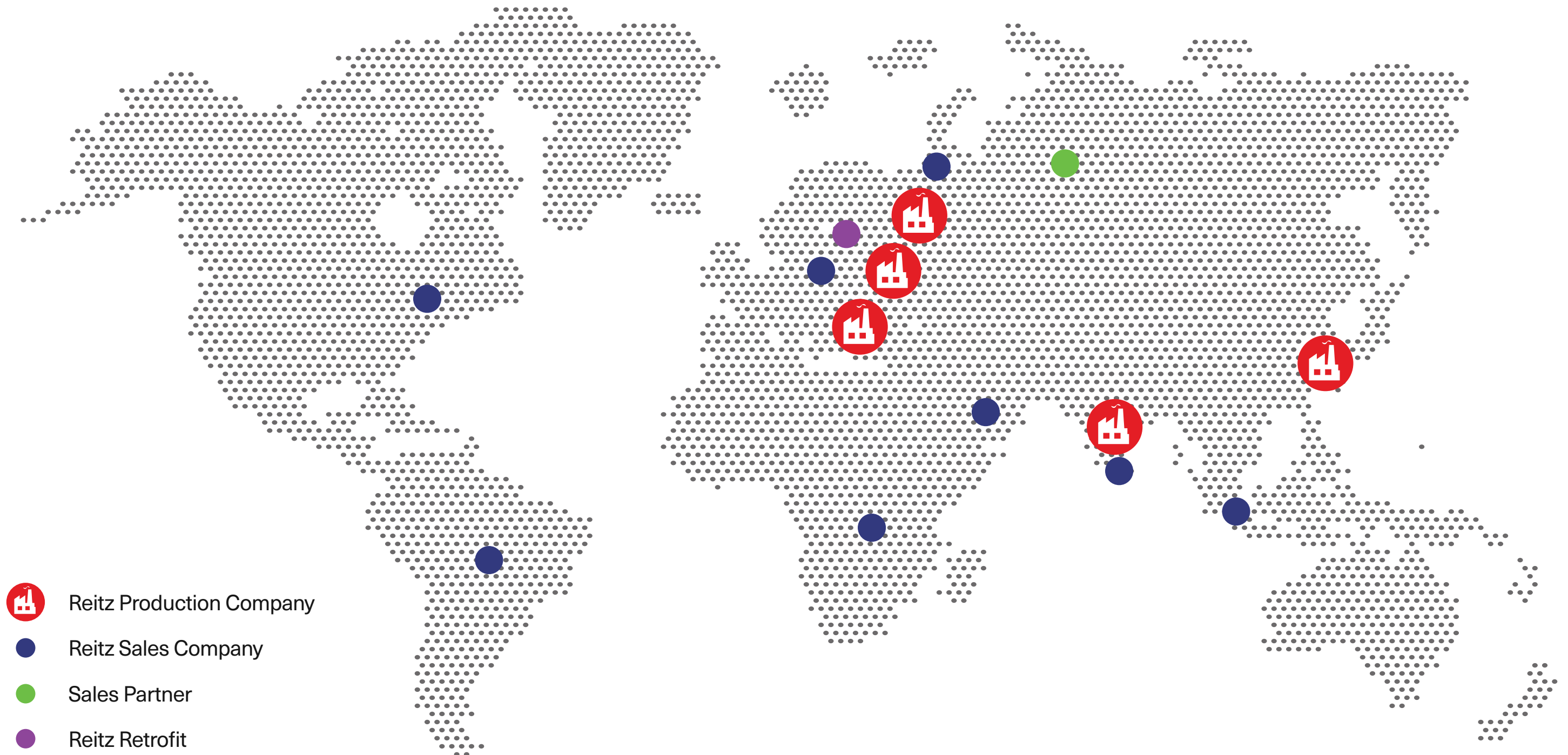
500,000
Total service hours

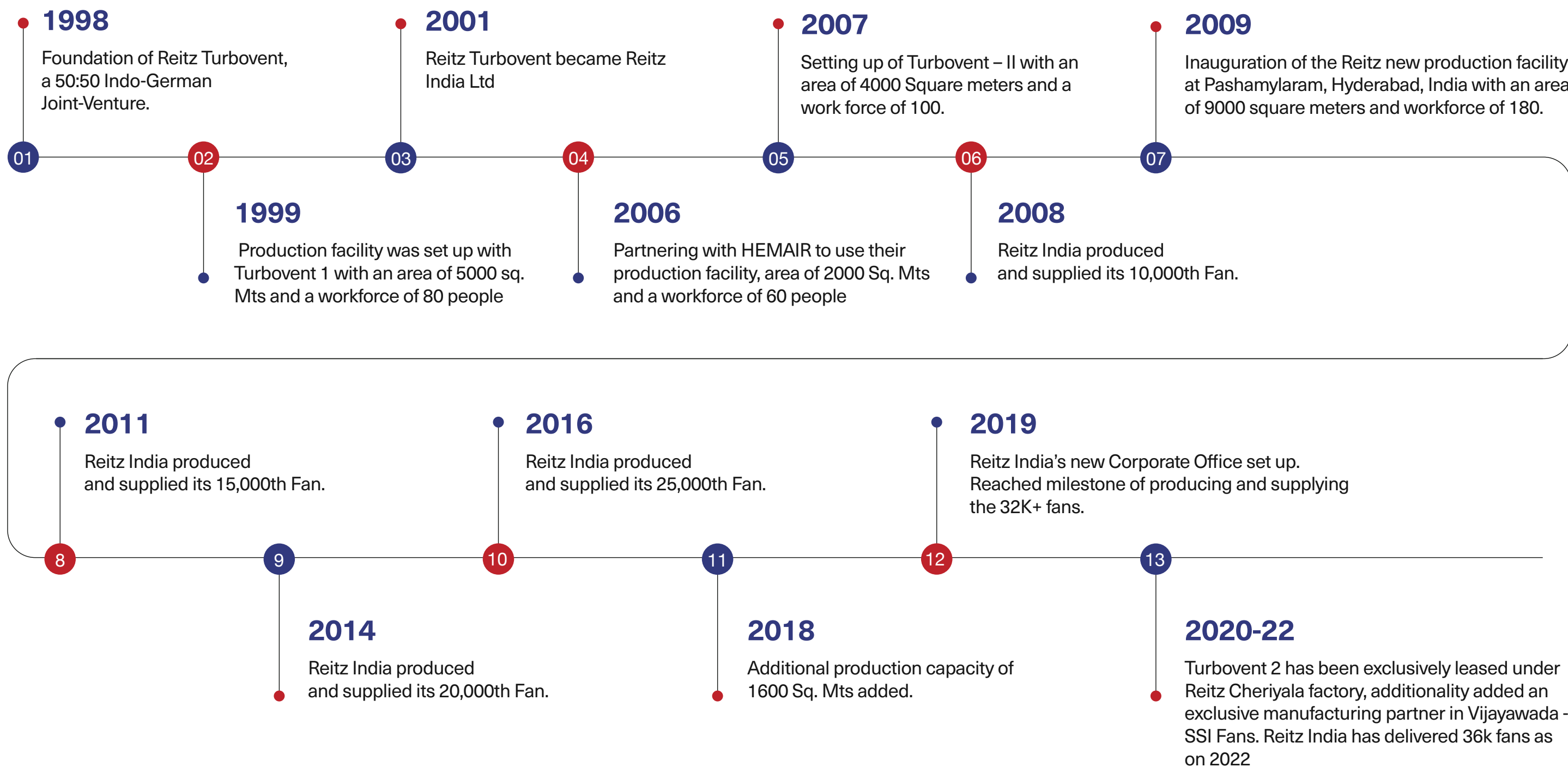


115+
Clients

Global Presence

Reitz India's global presence include countries in the Middle East, Africa, Southeast Asia, Latin America, North America & China





Manufacturing Capabilities

Large scale Industrial Fabricator ranging from 1 mm to 70 mm thickness. Production facility is equipped with best in class infrastructure to fabricate any heavy duty machinery

- With a built-in area of 20,000 Sq. Mts, Reitz India's shop floor area is equipped with sophisticated production technology for manufacturing industrial fans.
- Reitz India is equipped with the latest machinery –

NODI Spinning Machine



Laser Cutting Machine



Severt Welding
Positioners - L Type - 6 axis



Robotic Laser Cladding Machines



EWM Welding Machines



Reitz Manufacturing Approach

Backed with design & engineering team experience of more than 100 years and with world class innovative manufacturing and technological excellence at its core, Reitz India, constantly strives to combine best grinding expertise and precision working with cost competitiveness to design, manufacture and supply of the state of art industrial fans around the world.



Manufacturing with optimal degree of efficiency

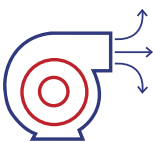


Invest in technology - Special machines

- Full automatic CNC spinning machines
- Severt Welding positioner, L Type - 6 axis



Build high capacity process fans - upto 16000Kw.



Superior grade fans for high pressure and efficiency - upto 2000000 m³ / hour flow.



Robust inhouse testing through an R&D approach.



Qualified & Experienced Welders with an average 12yrs of experience



Engineering that goes above & beyond the factory gate

“We'll take care of it” is more than just a token expression of Reitz - it is part of the company's culture. Whether it be pre-engineering or coordination, it is a matter of course for us to contribute our thoughts and ideas, to develop solutions and to inspire our customers.

Time and planning reliability with helpful support from Reitz.

- **Project Planning** - Carried out professionally and on time, regardless of whether the site is in close proximity or located overseas.
- **Installation and start-up** - Carried out professionally and on time, regardless of whether the site is in close proximity or located overseas.
- **Maintenance** - Regular maintenance and individual, customized maintenance contracts.
- **Documentation** - Each individual production step is precisely documented.



Engineering



Material Selection

- SA 516 Grade 60/70 (NACE Compliant, S690 QL & S890 QL), Duplex
- Stainless Steel (SS304,316, 316TI)



Design Validation

- FEA, Torsional Analysis



Construction

- API 673/560
- ATEX/CE Marking
- Gas tight
- Dual driven fans

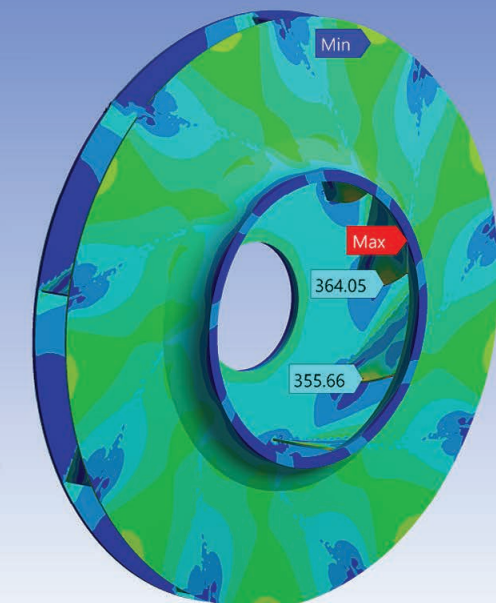
Range of Parameters

Criteria	Minimum	Maximum
 P	100mm WG	3150mm WC (Single stage) 5600 mm WC (Two stage)
 V	350m ³ /hr	2,800,000 m ³ /hr
 T	-40 °C	500 °C

A: Static Structural

Equivalent Stress
Type: Equivalent (von-Mises) stress
Unit: MPa
Time: 1
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506.93 Max
451.21
395.48
339.75
284.02
228.3
172.57
116.84
61.117
5.3895 Min



0.00 250.00 500.00 750.00 1000.00 (mm)

Certified to meet the most demanding requirements

We at Reitz India take special pride in the exceptional robustness and longlife of our fans. In order to ensure that these qualities remain constant in the future, we are building on two sturdy pillars,

- Vertical Integration
- Quality Management

We know every single part-vertical integration, our style

To put the Reitz philosophy of sustainable quality into practice, we place significant emphasis on completing each work step at our individual manufacturing facilities.

Also Nodi spinning machine gives a state of art product with better conformity to aerodynamics.

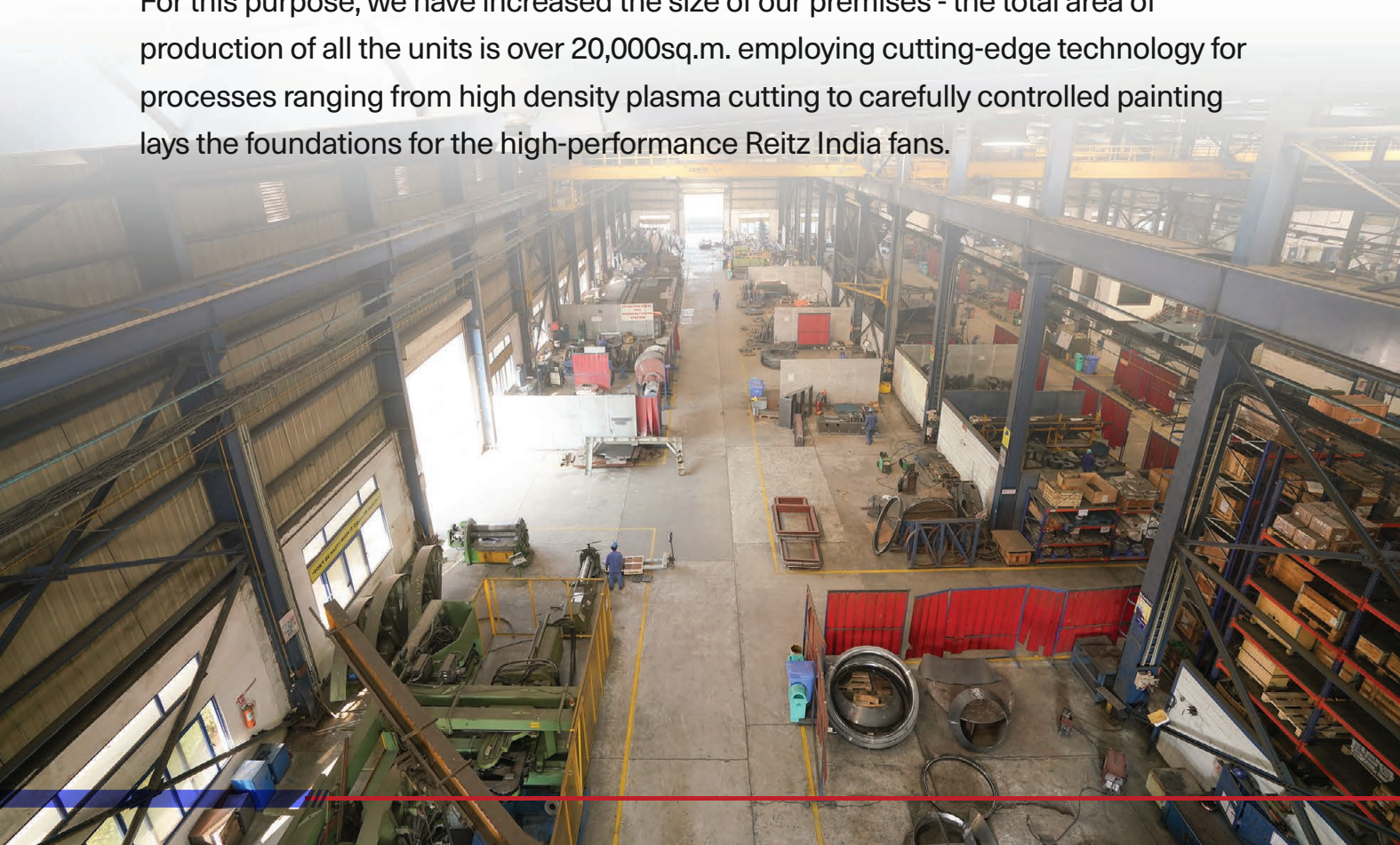
For this purpose, we have increased the size of our premises - the total area of production of all the units is over 20,000sq.m. employing cutting-edge technology for processes ranging from high density plasma cutting to carefully controlled painting lays the foundations for the high-performance Reitz India fans.

Meticulous inspection - Reitz quality assurance

Our Quality Management is regularly certified, particularly in accordance with ISO9001. Moreover, we have full certification according to international norms and standards for the most important areas: welding, non-destructive testing, safety, health, environment: and many more.

Other important building blocks for Reitz India's quality assurance,

- **Materials appropriate to applications** - Careful selection made by our experts on standard and special materials.
- **Endurance tests** - Impeller balancing in two planes for smooth running and long lifespan: finite element computations for checking stresses of components subject to dynamic load can be done at our workshop, on special request. Non-destructive testing (NDT) for cracks using dye penetration tests & vibration analysis.
- **No load and performance testing** - Using the in-house test bench for power values up to 600 kW. Using external power generators fan testing with higher power values can be accomplished by extrapolation.



Reliable at the heart of perfect systems

Owing to their high performance and reliability, Reitz India fans have gained an excellent reputation in a diverse range of applications.

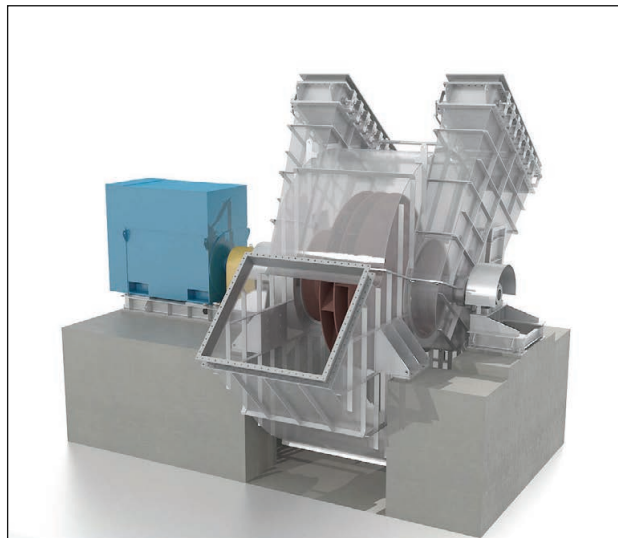
Up to 12,000 kw - fan power that is appreciated the world over :

- Cement industry
- Iron and steel industry
- Power plants
- Chemical industry
- Petrochemical plants/refineries
- Fertilizer plants
- Waste incineration plants
- Environmental engineering industry
- Metallurgy industry
- Glass industry
- Textile industry
- Synthetic - fiber production plants
- Agricultural chemistry industry
- Pharmaceutical industry
- Plastic production and processing plants
- Sewage plants
- Sugar industry
- Timber industry
- Food industry
- Paper and pulp industry
- Lime and Gypsum industry
- Machine construction industry
- Electrical industry
- Automotive engineering industry
- Drying plants
- Metal and mineral processing industries
- Transport industry & many others

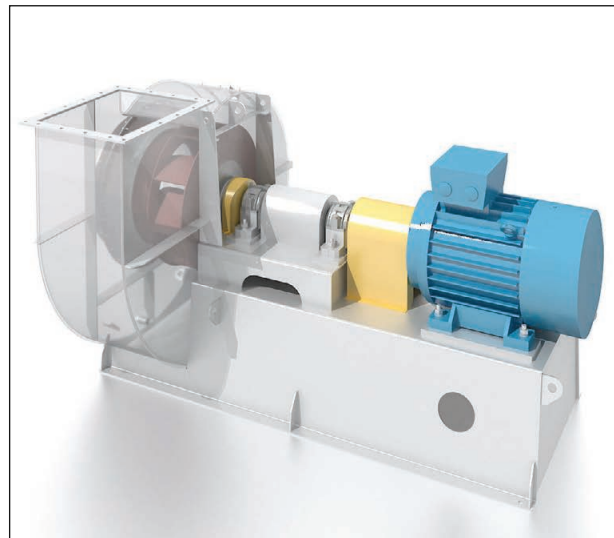


One name, four models, all possibilities - Reitz India

Due to modular design, Reitz radial fans not only have favorable price-to-performance ratios, but also make up a notably wide range of products. Any one of four structural designs can be combined with one of three types of drive, so that the optimal solution can be realized for any industrial or processing application.



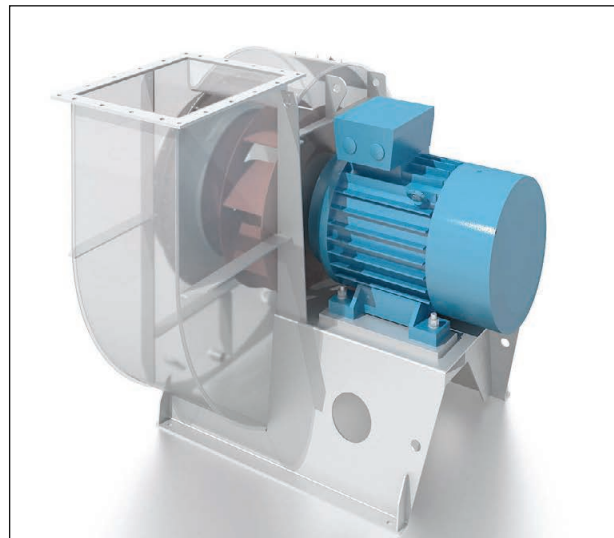
KBZ



KXE



KBA



MXE

4 reasons for purchasing large fans from Reitz

Reitz India manufactures large fans and process fans with power up to 16,000 kW for demanding large-scale projects and plant manufacturers worldwide.

Indo-German collaboration at its finest

The entire planning, production and testing for all large fans take place in India, with most machines of German origin for production of fans. Each individual production step is completely documented.

Optimal degree of efficiency

Each Reitz fan is designed and constructed to achieve the optimal degree of efficiency, given the process -dependent parameter values.

Maximum availability

A combination of Reitz quality assurance, state-of-the-art production technology and electronic monitoring systems results in a maximum degree of availability, which noticeably improves the overall economy of the system.

Planning reliability

On account of our capacity, we can guarantee the smooth and timely production of large fans with installed power up to 12 MW.



Reitz Retrofit for consistent performance & optimum efficiency

Upgrading your industrial fans and its accessories for better performance and optimal efficiency is a quintessence for seamless operations. Reitz India ensures that the ideals for continuous improvisation and optimal efficiency are effectively met in your industry, through innovative Reitz Retrofit™ solutions that drive effective performance.

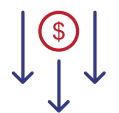
Why industries need Reitz RETROFIT?



Increased Reliability



Increased Operational Efficiency



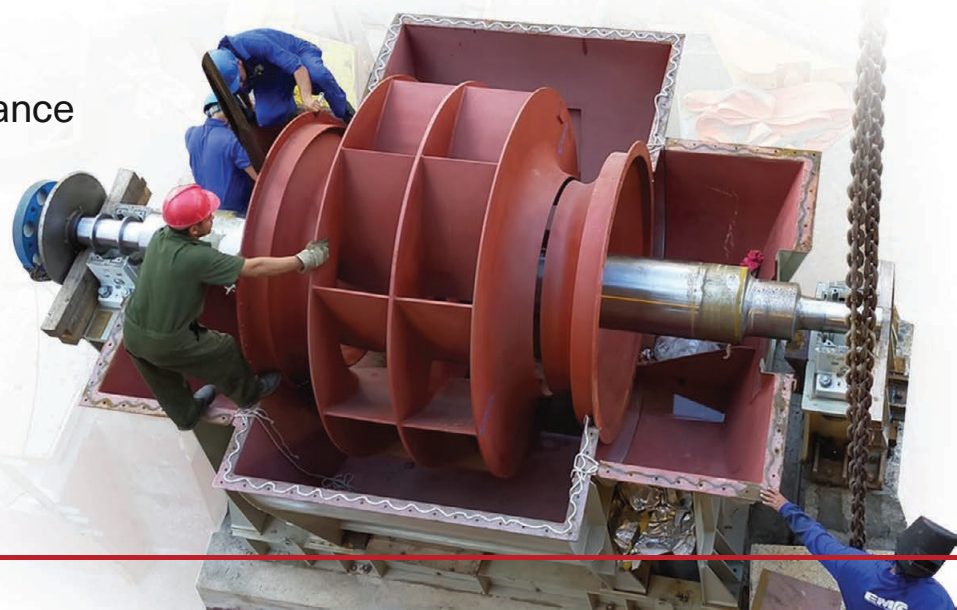
Reduced Cost



Optimum Performance



Energy Savings



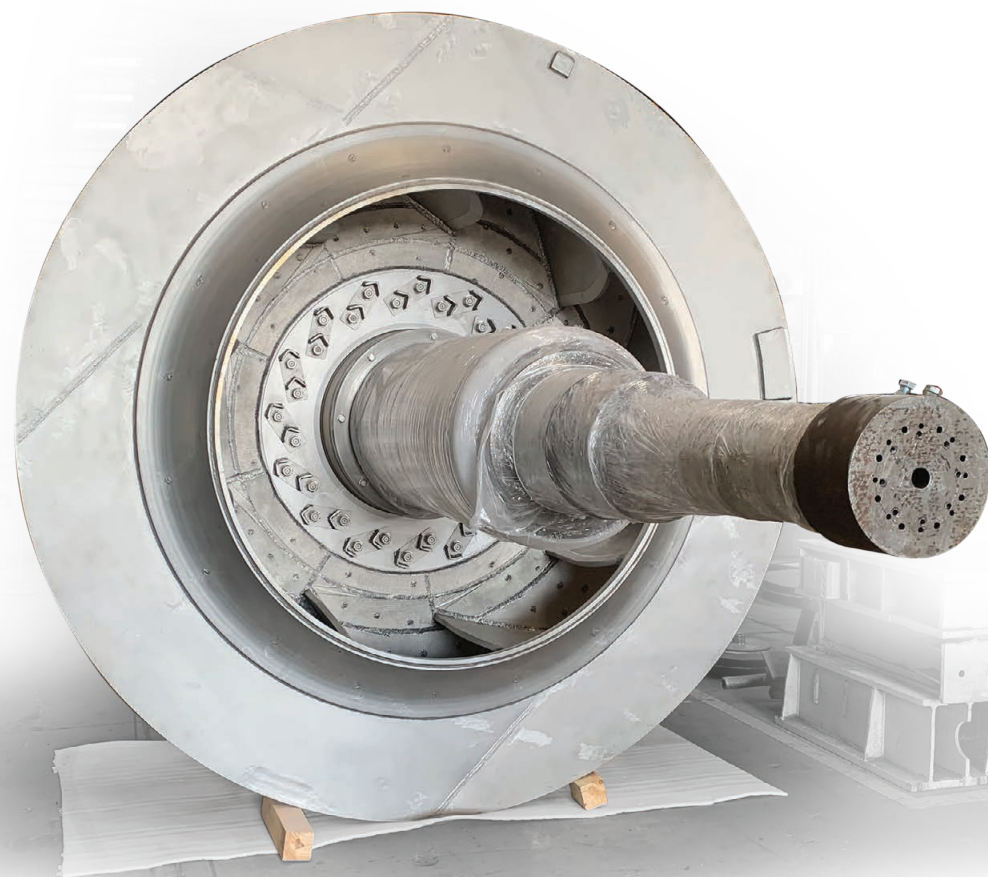
Perfectly equipped to handle unusual assignments - Specially designed fans from Reitz

- High-pressure fans (>300 mbars)
- Fans designed for high-temperature areas (up to 900°C)
- Pressure fans and pressure-resistant, shock-proof fans (up to 500 m bars)
- Gas-tight construction of stainless steel and carbon steel
- Fans with special wear protected process fans with dual drive and overrunning clutches



Ideal Control for environment and budget

Variable-speed control systems from Reitz India make an effective contribution to energy saving and, as a result, CO₂ emissions and energy requirements for your installation are significantly reduced, without the degree of efficiency being lowered at all.



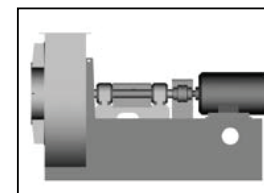
The principle of variable speed control - Use only as much as you need

All components are perfectly compatible. The additional costs for variable-speed control systems are effectively recouped within two years on average, due to the economical benefits.

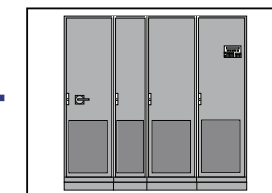
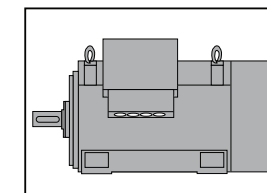
Savings of up to 30% and more - The benefits of variable speed-control

No unnecessary energy consumption, linear characteristic of the control system, quiet running, perfect start-up behavior, smooth mechanical operation.

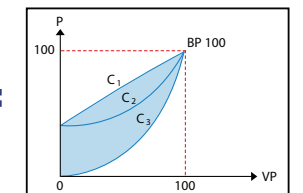
Fan



Motor



Max. energy efficiency



Performance requirement curves
C1 = control with damper
C2 = inlet guide vane control
C3 = speed control



The Reitz environment - Sound insulation and accessories

Innovative sound insulation technologies and high-quality accessories. With Reitz India you benefit from the latest technical developments and have the ideal equipment for any type of application.

Anything but trivial - Accessories from Reitz. ●

It is an advantage to be well-equipped for special assignments. The diversity of Reitz India's accessories makes it possible to produce customized equipment of the highest technical standard. Louver dampers Inlet guide vanes, transition pieces flexible connections, anti-vibration mounts (rubber/spring type) and filters

- Round filters | • Inlet nozzles | • Piezometric flow meters | • Suction boxes



Peace and quiet for workers and the environment - Sound insulation made to order.

- Silencers with baffles
- Tubular silencers
- Housing insulation
- Noise-protection cabins

Reitz smart after-sales services



Upgrade, Retrofit or Repair service

Onsite installation, Supervision &
Testing services



Remote performance check

Analyze specific failures and
identify the root cause



Retrofitting & Optimization to ensure
optimal performance with minimal investment

The direct route to gaining
new impetus.



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