



CEMTEC

AFTER SALES & SERVICE
WE UNDERSTAND YOUR NEEDS

CEMTEC SERVICE



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INTRODUCTION

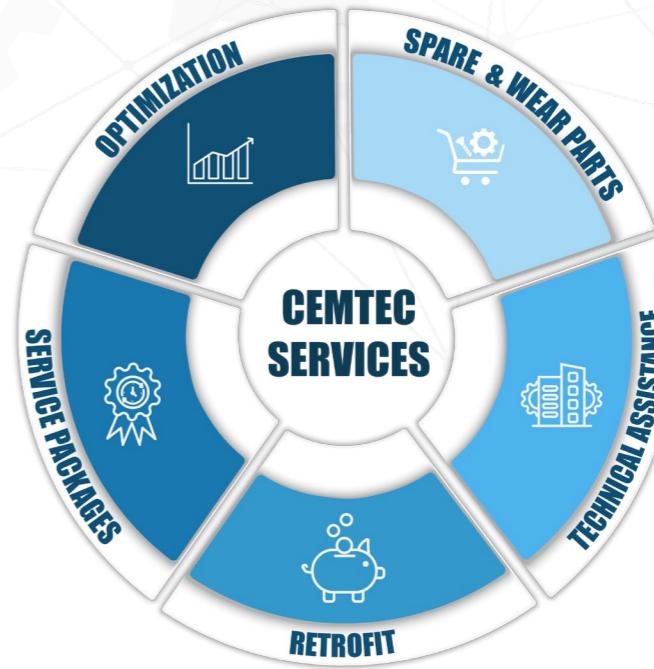
CEMTEC - Your partner for success

CEMTEC operates on the basis of individual responsibility. Every member of our team is capable of making high-level decisions. The entire responsibility for a project rests with a single person, supported by a dynamic team. Hence, each customer has the same competent contact partner for all queries, wishes and suggestions. In addition to standard orders, your individual requirements are fulfilled rapidly and without complications.

CEMTEC - Managing projects throughout the world since 1990

CEMTEC manages each project from start to finish, from planning to commissioning. Our product spectrum includes dry and wet grinding technologies for a wide range of bulk materials and minerals, rotary drums for thermal and mechanical treatment, separators for classification, and pelletizing discs for agglomeration purposes. The customers can choose between single machines and entire turnkey projects. Over 400 successfully realized projects globally, a competent team with more than 280 members all over the world, and 30 years of experience on the international market attest to the competence of CEMTEC.

However, not only the successful commissioning of projects distinguishes CEMTEC, but also its competent after sales service team that supports each client even long after project realizations. Be it spare parts for all of our products, technical assistance on site, modification of already existing equipment, or optimization to increase the efficiency of your plants and machines even further: CEMTEC offers tailored after sales solutions for each client anytime.



QUALITY AND RELIABILITY MADE IN THE EU



SPARE AND WEAR PARTS

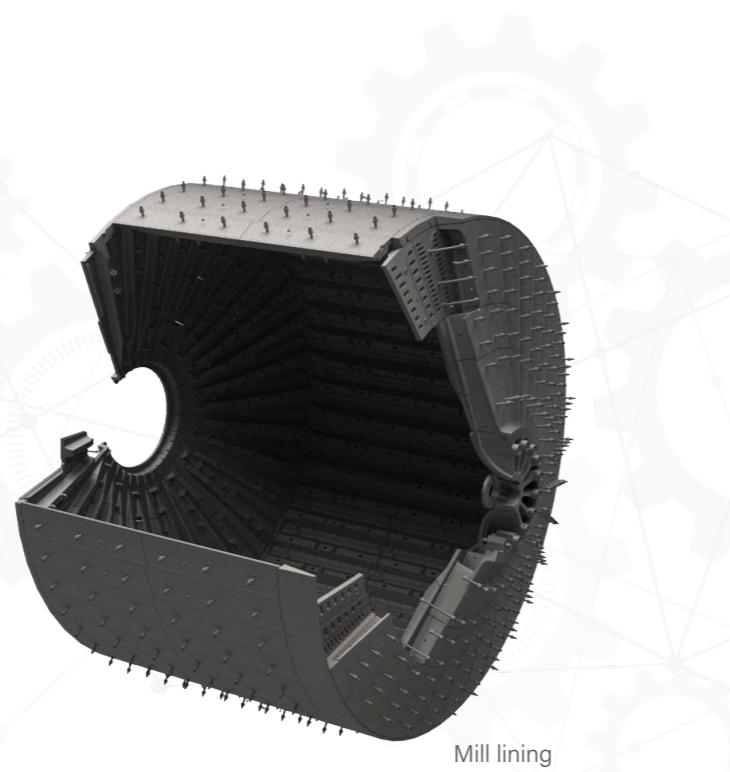
The experience gained from our daily work as well as our clients' feedback help CEMTEC to provide the best service possible and guarantee that your plants operate fully reliable and have a long lifetime.

As there are consistent records and documentation of all machines and plants sold in the past, our clients can be sure to receive the right spare parts for their equipment.

Almost all of the most common wear parts are in stock or can be provided at short notice. This way, we can work together to reduce unpredictable machine down-times and to maintain production.

Beside spare and wear parts for CEMTEC plants and process equipment we are also able to offer spare and wear parts for foreign machines.

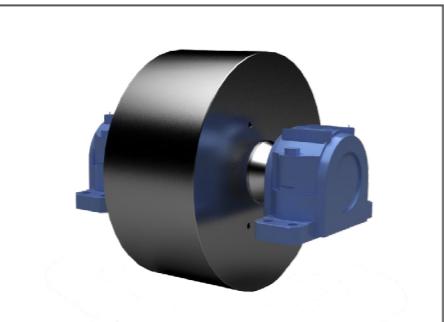
All CEMTEC members are always doing their utmost to deal with each individual client's request as fast as possible.



Mill lining



Pinion shaft assembly



Support roller assembly



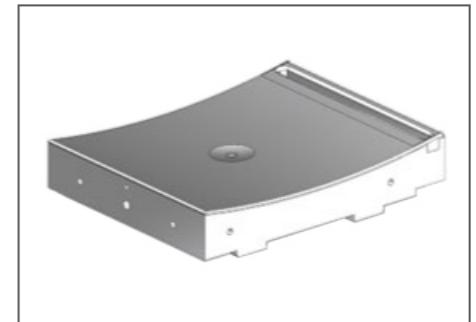
Girth gear



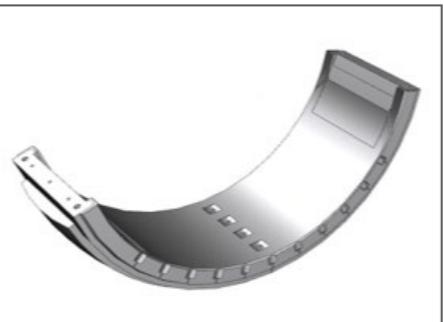
OUR SERVICES FOR YOU

- » Competent consulting for individual requirements
- » Attractive offers and delivery terms
- » Production of individual spare and wear parts with 100 % CEMTEC quality
- » Delivery of spare and wear parts even for equipment that was not produced by CEMTEC
- » Fast delivery of all spare and wear parts
- » Strategic spare & wear parts management
- » Point of contact for your customer needs

Over **2500**
concluded purchase orders
=
Over **2000**
satisfied customers



Lift pad



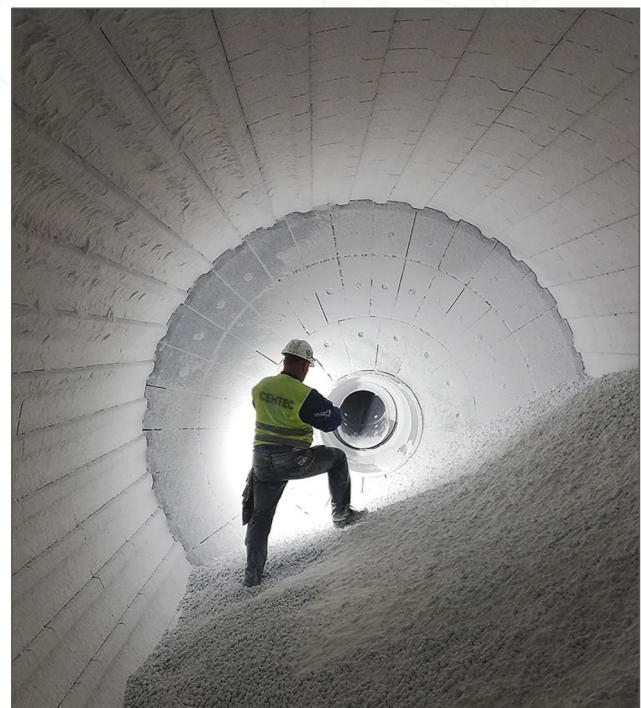
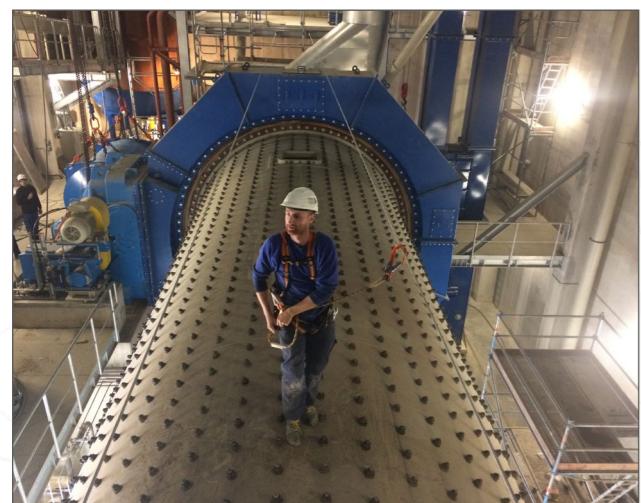
Bearing sleeve



Rotor

TECHNICAL ASSISTANCE

CEMTEC accompanies its projects from the drawing board to the performance tests and the operators' training, but also offers technical support after the realization of projects. Hence, our machines and plants are not only erected under the supervision of CEMTEC experts, but are also inspected by them after the commissioning in order for our clients' machines to constantly operate at full capacity.



YOUR ADVANTAGES

- » Proper commissioning guaranteed
- » Detailed information about the current condition of your equipment
- » Reduced repair costings due to inspections by CEMTEC specialists
- » Fast implementation of required maintenance measures and installation of spare parts
- » Higher efficiency due to modification and modernization of your plant
- » Longer lifetime of your equipment

.....
Our expert team is travelling the world to offer our clients professional support for all their technical needs.
.....

Over **750**
installed machines...



INSPECTION, MAINTENANCE and MODIFICATION of your plant delivered by CEMTEC or other OEMs

Maximal operation efficiency and constant availability of your plant are of crucial significance for production.

If required, our CEMTEC experts inspect the main components of your equipment and analyze its current condition. After the inspection, you will be consulted about the required measures.

An extensive inspection will not only inform you about your plant's or machine's condition, but will also help CEMTEC's specialists to decide on spare parts or services specifically required for a proper maintenance of your equipment. Inspections can further prevent errors and, as a result, downtimes of your plant or machine.

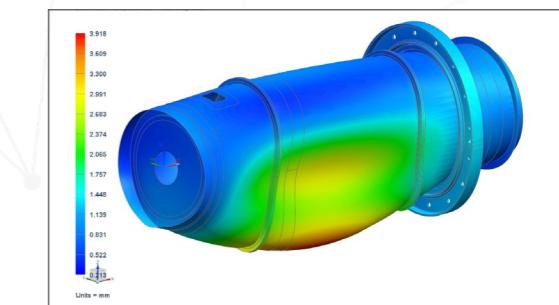
CEMTEC also offers inspection- and maintenance packages according to customer demands to ensure highest availability of equipment and plants.

CEMTEC further offers modifications and modernizations of already existing plants for optimum operation and higher efficiency.

...and over **860**
technical operations...

TECHNICAL SERVICES for our CLIENTS:

- » Consulting
- » Erection of plants
- » Commissioning
- » Process audits
- » Inspections
- » Equipment modification
- » FEM - Calculations
- » Drive configurations
- » Tooothing calculations
- » Bearing configurations / refurbishment
- » Lubrication concepts
- » Maintenance
- » Troubleshooting
- » Supervision



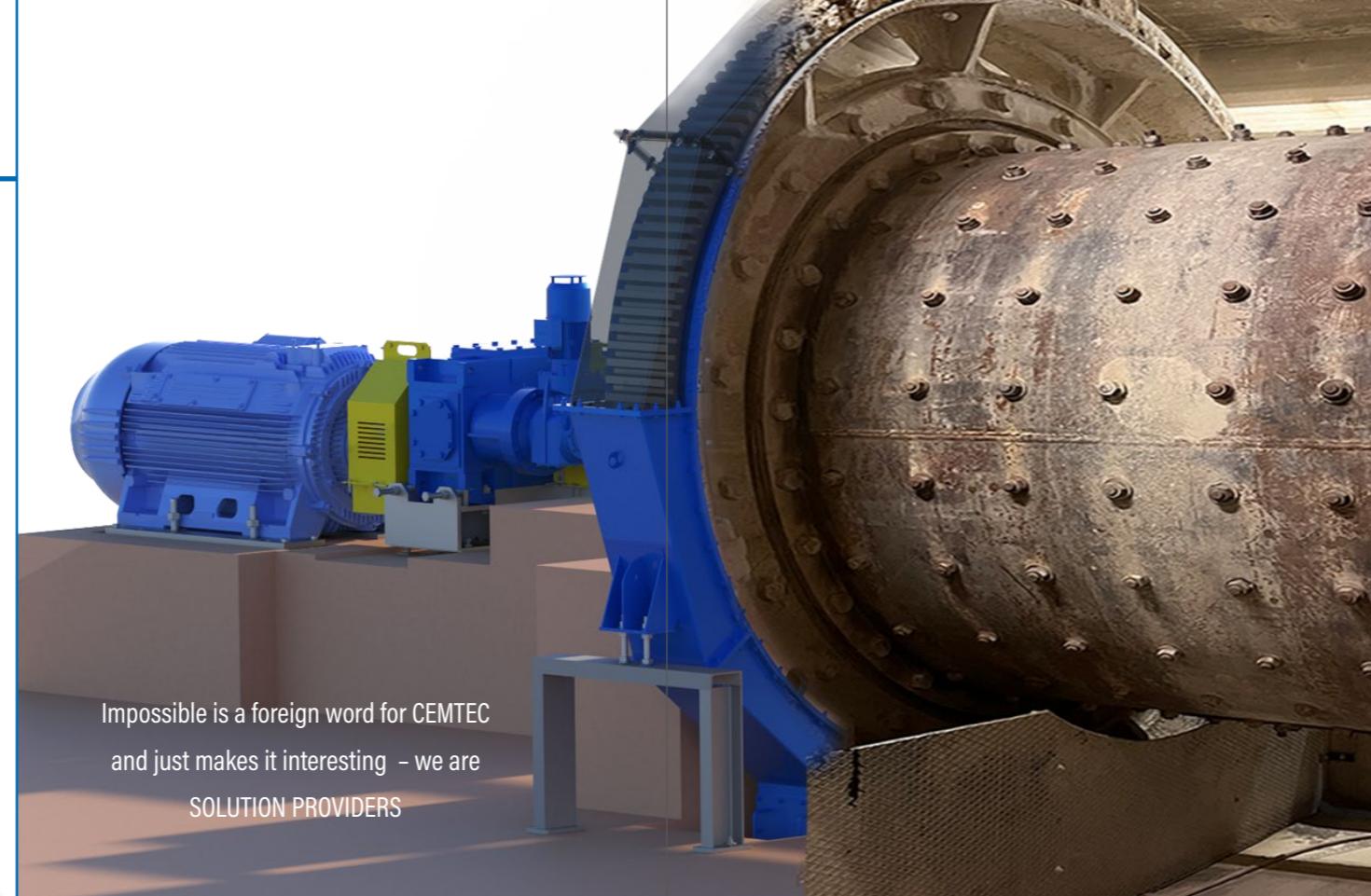
FEM - Calculations

...in over **40**
different countries.

RETROFIT

Based on more than 30 years of experience in engineering, manufacturing and supplying heavy equipment for the cement and mining industry, CEMTEC has the necessary knowledge and experience that enables us to provide different customized solutions even on third-party machines.

With its great flexibility, CEMTEC can always provide fast assistance in case of faults or stops. Because of their extensive processing knowledge, our specialists have already been able to optimize, modify and modernize numerous existing plants and equipment from different suppliers.



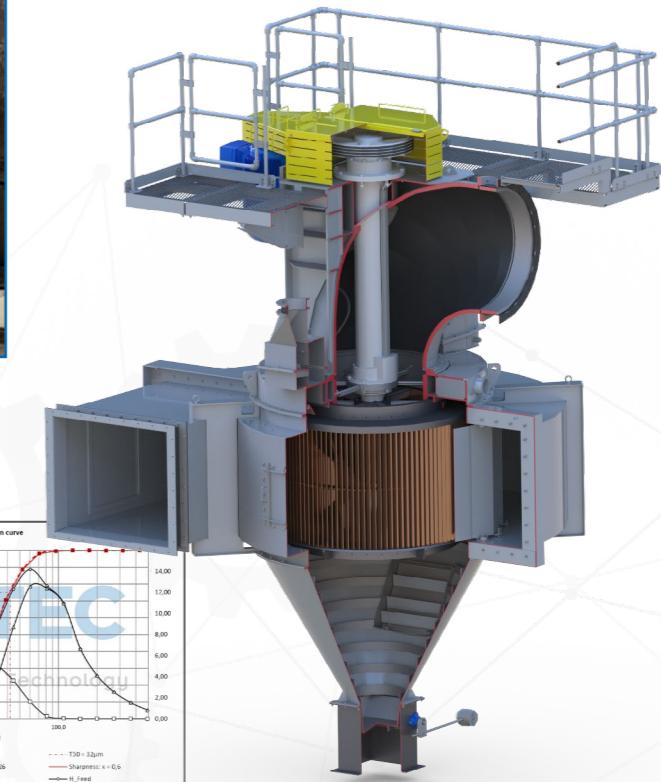
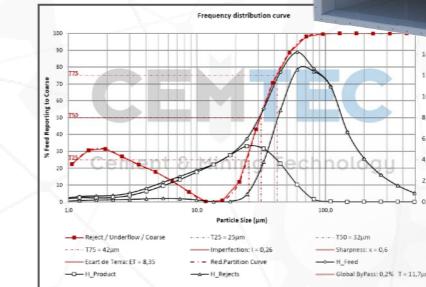
CEMTEC offers inspection- and maintenance packages according to customer demands



BENEFITS



ENERGY AND COST SAVINGS BY RETROFITTING



PACKAGES & SOLUTIONS

DRIVE COMPONENTS

Single components
Gearboxes / couplings
Gearbox lubrications
Pinion / Shaft / Bearing
Girth gears
Girth gear lubrication
CEGIS
Baseframes / Adoptions
Foundation adoptions
Complete drivetrains

BEARING / LUBRICATION

Single components
New bearings / concepts
Slidesshoes
Trunnion bearings / inserts
Rollerbearings
Inspection

MILL - / SHELLPARTS

Shell sections
Divided / bolted shells
Trunnions
Mill heads
Complete mill exchange
Refurbishment
Calculations

SPECIAL OFFERS

Customizes solutions
Troubleshooting
Combined retrofits
Revamps
Engineering
Planning
Training
Consulting

SERVICE PACKAGES

» for your Mills, Dryers, Scrubbers, Mixers, Plants

BASIC

Machine Reliability

2 days
support on site

frequency of inspections
2 per year

ADVANCED

Machine Integrity

5 days
support on site

frequency of inspections
annual

PREMIUM

Machine Longlife

10-20 days
support on site

frequency of inspections
every 2-4 years

CUSTOMIZED

to be agreed tailor made, e.g.:

- Inspections
- Troubleshooting
- Spare part recommendation / offer
- Wear part recommendation / offer
- Retrofit and Refurbishment
- + complete machines
- + subsections (shells/shell sections, bearing configurations, lubrication systems, drive configurations)
- Training Maintenance / Operation - inhouse or at CEMTEC
- Plant Audits (mechanical + process)
- Remote Services
- Assembly Supervision
- Commissioning
- Engineering (3D CAD, FEM, Gear-calculations)
- Cloud based monitoring
- VR - solutions
- Longterm inspection and servicecontract

CUSTOMIZED

Customer Requirement

flexible
support on site

frequency of inspections
acc. to customer
specific topic

- BASIC**
- Visual inspection of machine
 - Reading and recording of operation parameters (pressure, temperature, power,...)
 - Adjustments if required
 - Recommendation of critical spare and wear parts
 - Maintenance recommendations
 - Training during inspection

- ADVANCED**
- Visual inspection of machine
 - Internal inspection of machine (main bearings, bearing surfaces, toothings, contactpatterns, lining and internals)
 - Measurement and recording of material thickness at wear parts
 - Reading and recording of operation parameters (pressure, temperature, power,...)
 - Adjustments if required
 - Recommendation and offer for spare and wear parts package - critical + 2 year demand
 - Training during inspection + theoretic lesson for maintenance and operating staff

- PREMIUM**
- Complete inspection of machine
 - Check and realignment of machine components (motor, gearbox, pinion, girthgear, couplings,...)
 - Measurement and recording of material thickness at wear parts and core components
 - Reading and recording of operation parameters (pressure, temperature, vibration,...)
 - Adjustments if required
 - Recommendation and offer for spare and wear parts
 - Training during inspection + theoretic lesson for maintenance and operating staff
 - Supervision of annual main maintenance work
 - Evaluation and offer for improvement possibilities + meaningful modifications
 - Lubricant analysis



» Each package contains a detailed report with all findings and also recommendations for required actions and possible solutions.

Customized and basic packages are available for all products, manufacturer-independent.

OPTIMIZATION

For the last 10 years, our CEMTEC engineers have focussed intensively on plant and machine optimization to further increase the efficiency of our clients' processes. Advantages in predictive maintenance lead to an increase in the equipment's lifetime. In order to adapt to your plant's changing requirements, new process optimization technology was introduced. With these innovative tools, a positive operational experience will be guaranteed for each client.



We make your plants
smarter, more productive
and more efficient.



EQUIPMENT for proper OPTIMIZATION

YOUR ADVANTAGES

- » Higher availability due to early detection of errors
- » Decrease in downtimes of plants
- » Reduction of the staff's workload
- » Higher durability of your equipment
- » Increased product quality
- » Higher plant efficiency due to constant system upgrades



CEOPS



CEOPS | CEMTEC Online Particle Size Analyzer

- Online Particle Size Analyser in realtime
- Prozess optimization and quality control
- Customized solutions for representative sampling
- Fully automatic referencing and cleaning
- Increasing plant efficiency
- Improved productivity
- Very low ROI

CEGIS



CEGIS | CEMTEC Gear Inspection System

- Real-time mill drive monitoring
- Detailed analysis of the data
- Dashboard with all essential KPI's
- Increased efficiency through transparent data
- Predictive maintenance
- Increased plant availability
- Reduced spare and service cost

COPA



COPA | CEMTEC Online Pellets Analyzer

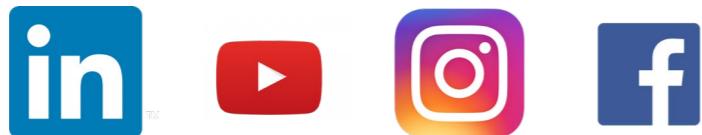
- Real-Time Pellet Size Analyzer
- Optimize the efficiency of the pelleting process
- Reduced production cost
- Increased product quality
- Small footprint – easy to install
- High resolution industrial camera

CEMTEC WORLD

CEMTEC, as a globally recognised specialist in wet and dry grinding technologies, appears on the market as a supplier of plants for the grinding of a wide variety of materials and mineral bulk solids as well as rotating drums for the thermal (burning, drying, cooling) and mechanical treatment (mixing, washing, conditioning) of various bulk solids. CEMTEC supplies turnkey projects, individual machines as well customized services for all relevant customer needs.

The field of activity of the CEMTEC world extends to over 73 countries on all continents. CEMTEC looks back on an eventful history with participation in more than 500 different plants worldwide.

Internationality, innovation, progress and the drive for further development form the basis for CEMTEC's business success.





Cement & Mining Technology

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