





CEMTEC CONTACT



Address

Ennshafenstrasse 40 | A-4470 Enns



Phone

+43 7223 83620



E-Mail

info@cemtec.at



Home

www.cemtec.at

CEMTEC DIGITAL CONTACT

Markus Traxler

+43 7223 83620-149

digital@cemtec.at

CEMTEC on SOCIAL MEDIA



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. Cemtec-Digital offers digital solutions for production plants in the field of mineral processing. With our digital solutions we enable our customers to make their systems fit for the future by applying our core competencies (industrial process technology and system digitization).

With our products we enable customers to combine environmental advantages with own advantages. A significant reduction in the ecological footprint (reduced CO2 emissions) goes hand in hand with increased system efficiency and higher product quality. Our ultimate goal is to leave the world better than before.

So what does Cemtec-Digital offer?

- » Sensor technology for the analysis of grain/pellet size distributions
- » Data-based control of processing plants
- » Condition monitoring of processing units (especially mill drive trains)
- » Archiving, analyzing and monitoring of plant operating data
- » Real-time visualization of operating data with hand-held devices within the plant
- » Data-driven process optimization and automated process audits



CEOPS | CEMTEC Online Particle Size Analyzer

THE CHALLENGE

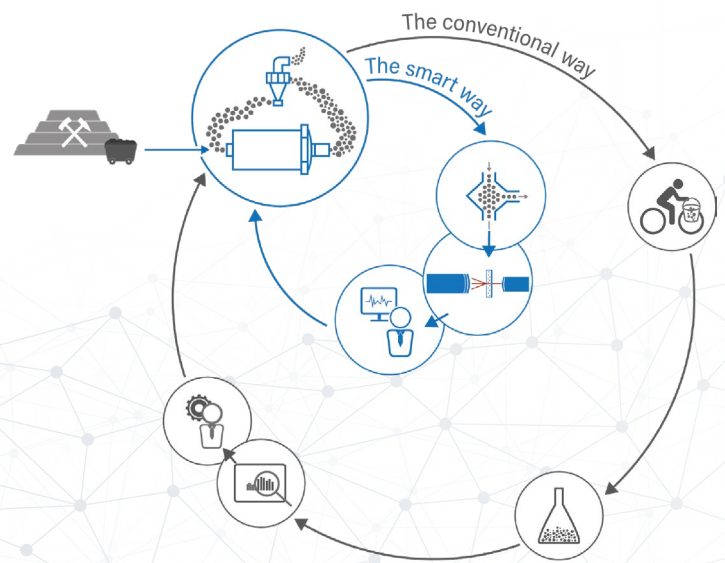
Particle size analysis is an important part of process optimization and quality control in many industrial production processes. The online particle size analysis provides the basis for process optimization and process control.

As a manufacturing company in the field of mineral processing technology or grinding, you are looking for solutions to reduce your production costs and at the same time increase quality.

The basis for this is the real-time monitoring of the particle size distribution.

OUR SOLUTION - CEOPS SYSTEM

- » A consistently high product quality can be ensured
- » Reduces production cost
- » Increases production output
- » Improves productivity
- » Low maintenance
- » Increases the degree of autonomy in production
- » Depending on the area of application, ROI is possible in less than 12 months
- » Possibility of system control in real time through integration into the process and into the control systems
- » Customized solutions for representative sampling of the product flow
- » Fully automatic cleaning and reference measurement before each measurement
- » Reduced energy consumption by avoiding over-grinding
- » Increase in plant efficiency when changing products and starting up the plant



APPLICATIONS

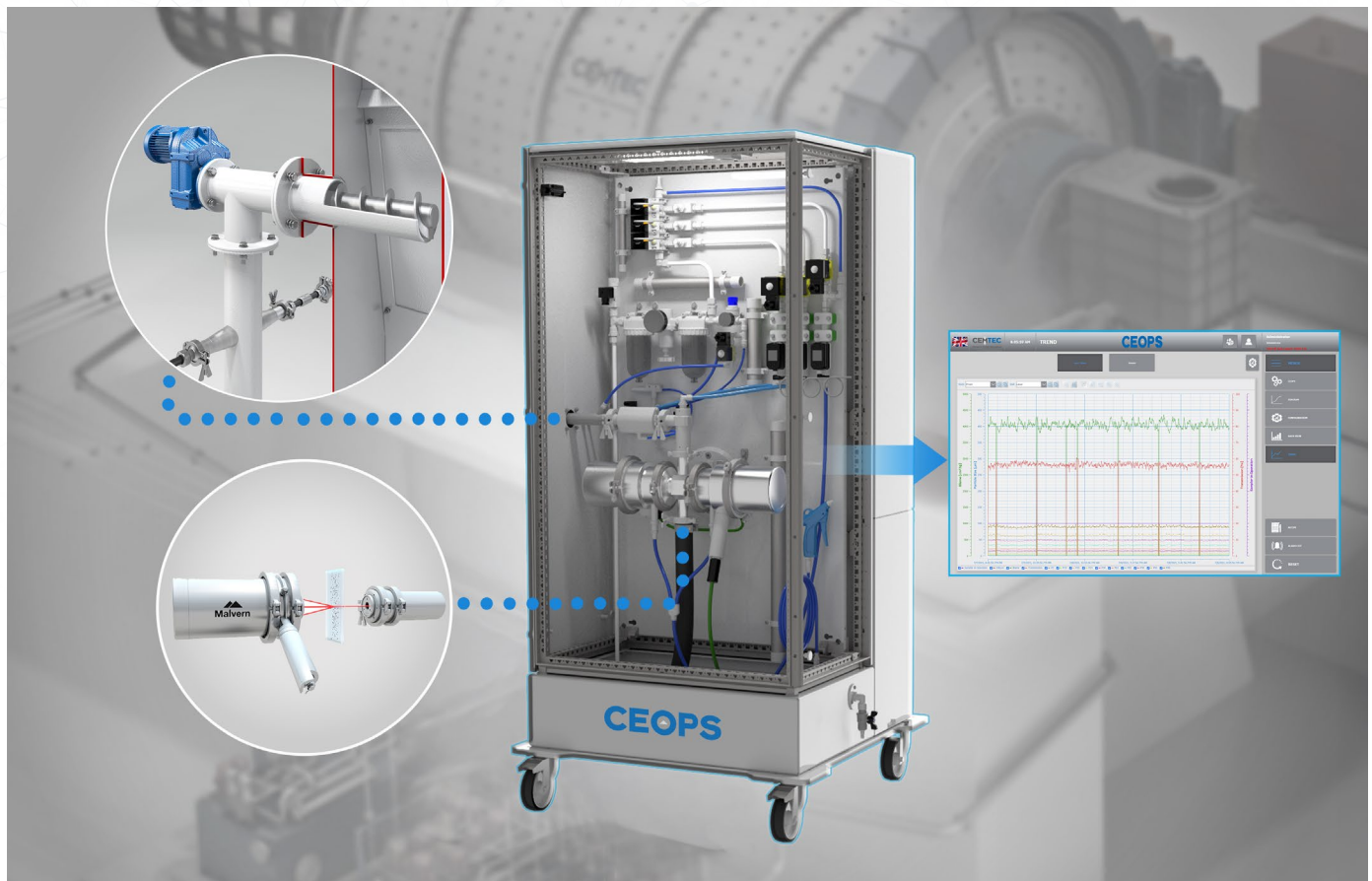
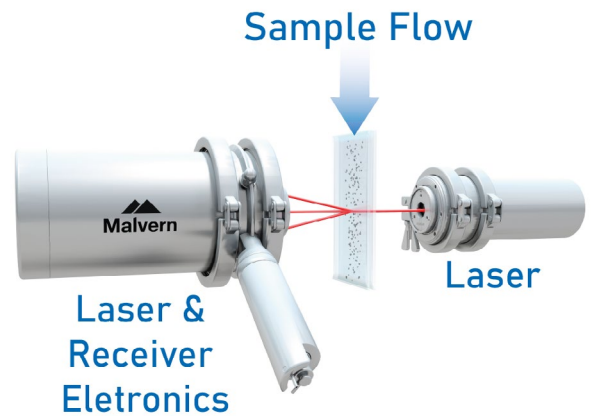
The CEOPS system is available in different versions for wet and dry grinding and processing plants.

The system accomplishes fully automated sampling and sample testing, and continuously provides information about particle size distribution.

The information can be used to control the system and to control the quality of the finish product.

PRODUCT

- » A CEOPS can process 5 sampling points via an additional unit
- » Switching time between the individual samplers in < 10 minutes
- » Grain size range from 1 μm to 1.500 μm
- » Depending on the application, laser diffractometry or ultrasonic sensor
- » Operating application software developed by CEMTEC with user-friendly interface
- » Individual connection to the customer control system (Industrial Ethernet, Profibus, OPC, etc.)
- » Independent electrical and pneumatic control cabinet
- » Required space < 2m²
- » Compressed air consumption approx. 23 NI/h
- » Depending on the measuring equipment, optional or integrated density measurement for wet applications



CEGIS | CEMTEC Gear Inspection System

THE CHALLENGE

Real-time monitoring of your mill mechanics

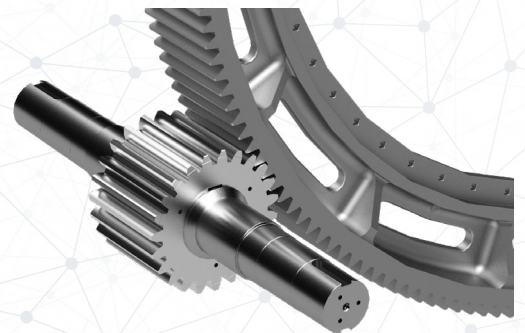
Make maintenance and service plannable at the perfect time.

Monitoring the condition of the machine is an absolute prerequisite for condition-based maintenance (predictive maintenance). This opens up new possibilities for planning spare and wear parts as well as machine operators and service personnel in a targeted manner. Plant efficiency can be increased compared to reactive and preventive maintenance.

As a producing company, you demand the highest possible system availability in order to generate maximum yields. To do this, you need a system that monitors the condition of your mill mechanics and makes suggestions for maintenance at the right time. Not only when it's too late.

OUR SOLUTION - THE CEGIS SYSTEM

- » Reliably monitors the condition of your mechanics
- » Offers online monitoring
- » Transfer of data and alarms to the control system
- » Better planning of service work and personnel
- » Detailed analysis of the measured values
- » Visual and audible warnings
- » Dashboard with all important KPIs at a glance
- » Increase efficiency through transparent data
- » Optimize your system in a targeted manner
- » Foresee imminent damage and thus increase system availability and minimize repair calls
- » Minimise spare parts costs - only replace the parts that are actually needed



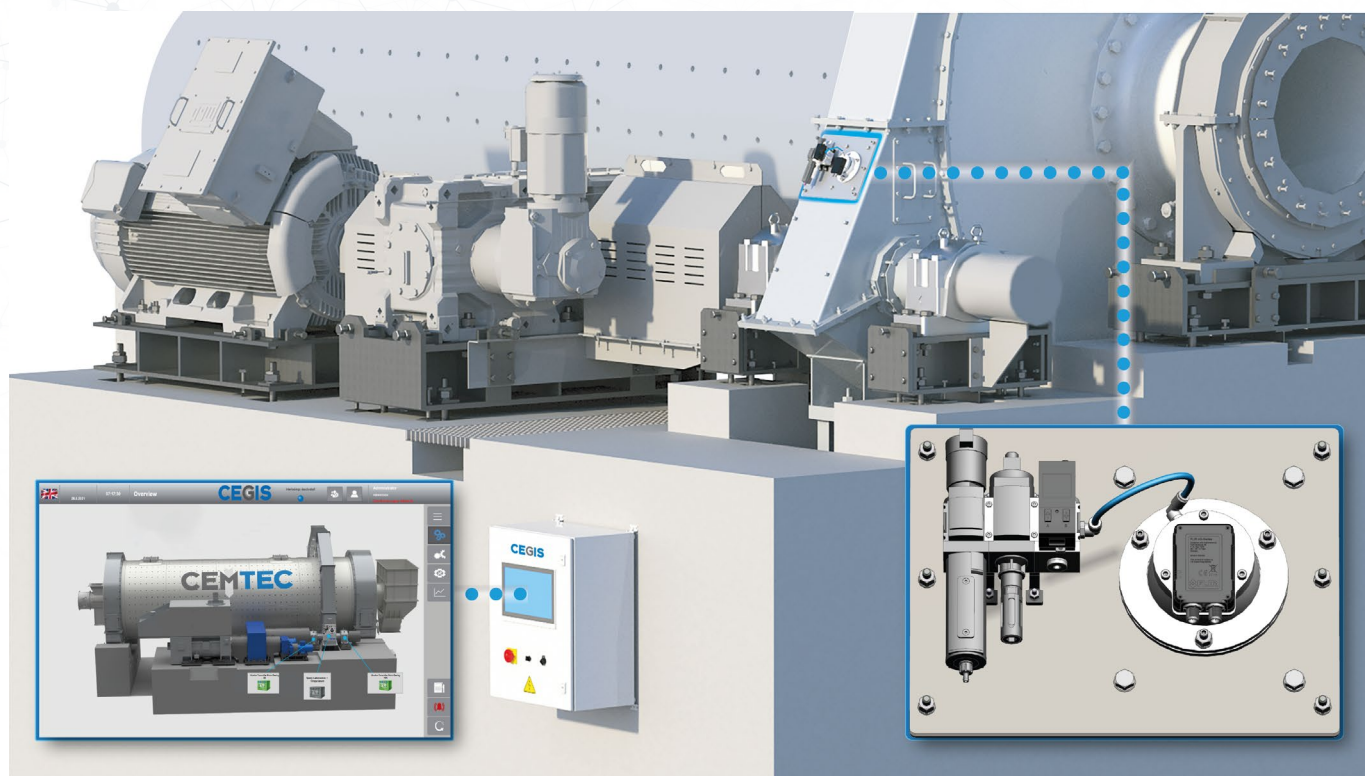
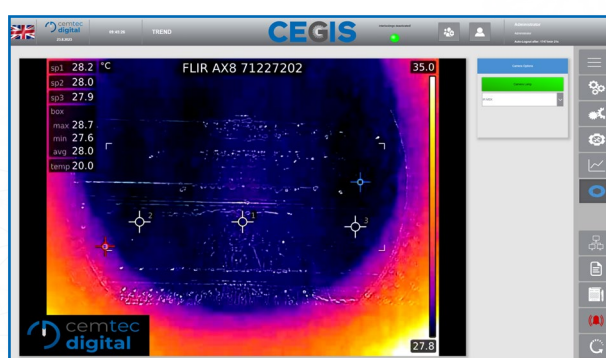
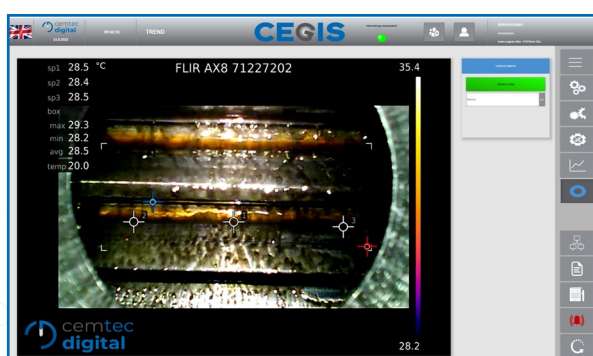
APPLICATIONS

The CEGIS system is a universal tool for monitoring your mill mechanics. The focus is on monitoring the pinion temperatures and pinion bearing vibrations that occur.

For the evaluation, the values are referenced during commissioning and their long-term development is observed and evaluated.

PRODUCT

- » Infrared camera monitors the temperature of the pinion surface
- » Pressure regulator maintains positive airflow and keeps the camera clean
- » Vibration sensors to monitor bearings
- » Operational application software with user-friendly interface
- » Individual connection to the customer control system (Industrial Ethernet, Profibus/-net, OPC UA, etc.)
- » 15.6" Multitouch panel
- » Industrial PC



COPA | CEMTEC Online Pellets Size Analyzer

THE CHALLENGE

During pelletizing, the material is processed over a rotating disc by admixturing binders to granules, of a predetermined size.

In a subsequent classification process, pellets that exceed or fall below the predefined particle size are sorted out and recycled in the process. This internal recycling of the oversize or undersize material is not only expensive, but leads also to a reduction in the production throughput of the pelleting plant. In addition to the chemical composition of the raw materials (raw material, water, binder) the process also depends on the dwell time on the plate.

In order to optimize the efficiency of the pelletizing process, a real-time analysis of the produced granulate is required. This information can be utilized to flexibly respond to changes in the process conditions and thus increasing both the product quality and the production throughput.

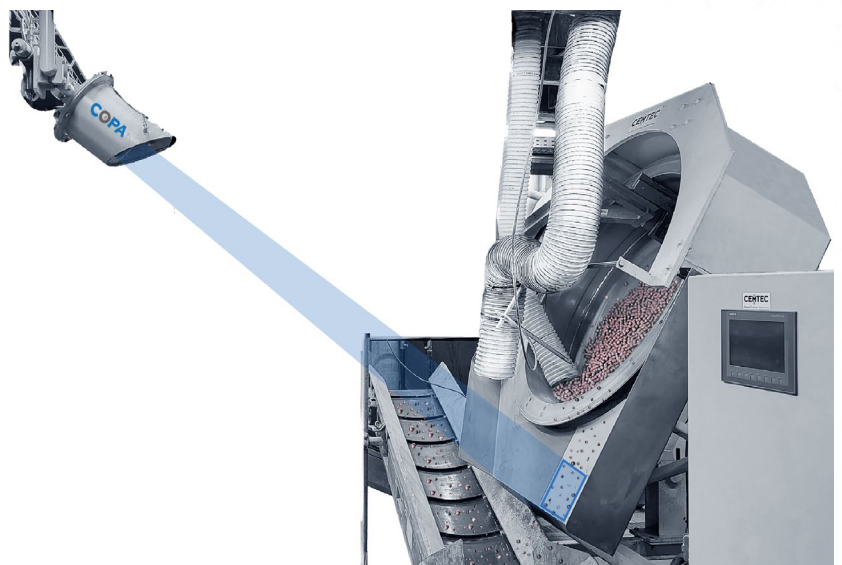
OUR SOLUTION - THE COPA SYSTEM

- » Records the grain size distribution in real time
- » Reduces production cost
- » Increases production output
- » Increases product quality
- » Enables a stable, consistent and monitored output of the pelleting process
- » Passes on the grain size distribution to your system via an interface
- » The data from COPA can be used for controlling the process

APPLICATIONS

The COPA system is designed to monitor pellet size distribution on pelletizing discs. The system allows for the automation of sampling and sample testing, and continuously provides information on the current size distribution.

This information can be used for system control and pellet quality control.



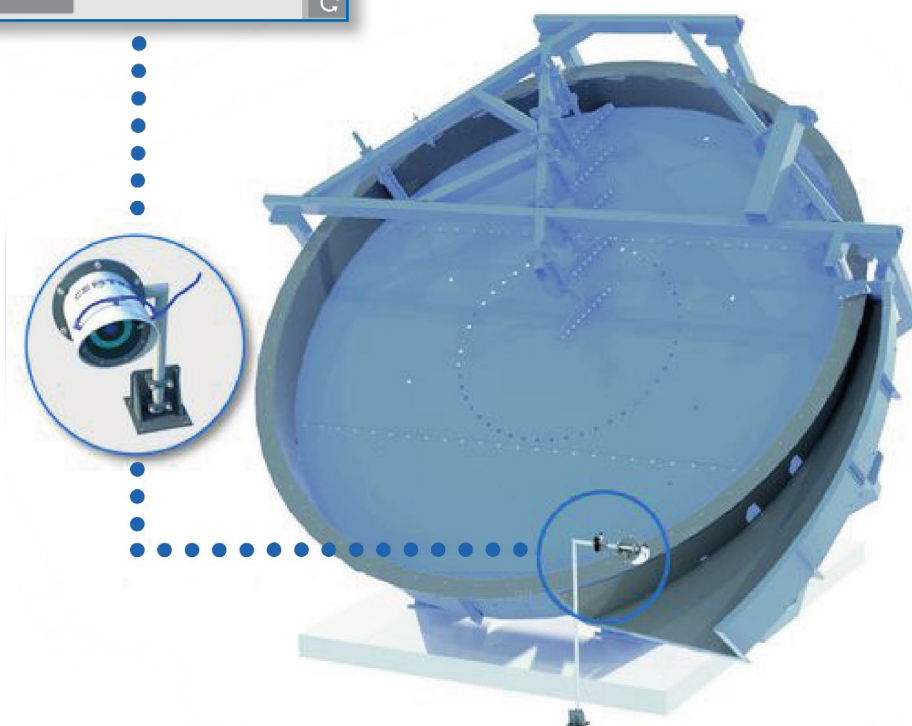
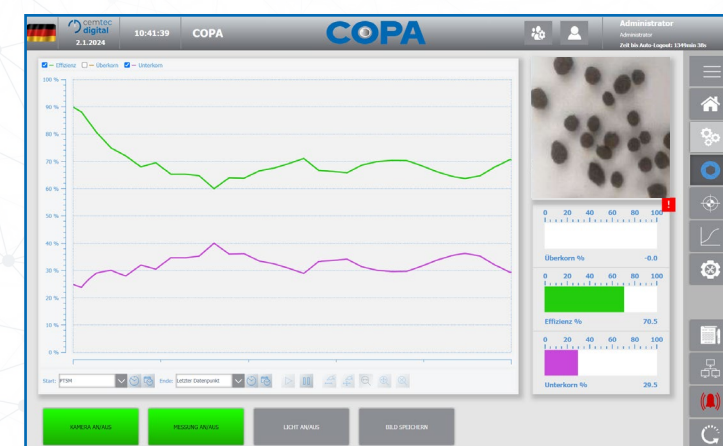
PRODUCT

- » High resolution camera with 22 fps
- » Lighting and flashing device with power LEDs
- » Continuous lens flushing ensures high reliability
- » CEMTEC control system
- » CEMTEC operational application software with user-friendly interface
- » Stand alone electrical and pneumatic control cabinet IP66
- » Very small footprint 600x600x350 mm
- » Individual connection to the customer control system (Industrial Ethernet, Profibus/-net, OPC UA, etc.)
- » 15.6" Multitouchpanel
- » Industrial PC

.....

The innovative system to increase
your efficiency and reduce operation costs.

.....



My CEMTEC Customer Portal

30 YEARS OF KNOWLEDGE AND EXPERIENCE DIGITIZED FOR YOUR APPLICATION

Your modern customer interface, designed for streamlined and efficient digital communication. My CEMTEC is your single point of contact for all your needs, providing you with advanced cloud solutions, data analytics and condition monitoring for seamless operations.

KEY FEATURES INCLUDE

Complete machine documentation

- » Effortlessly access all your machine information with intuitive document management.

Spare & Wear Parts Selection:

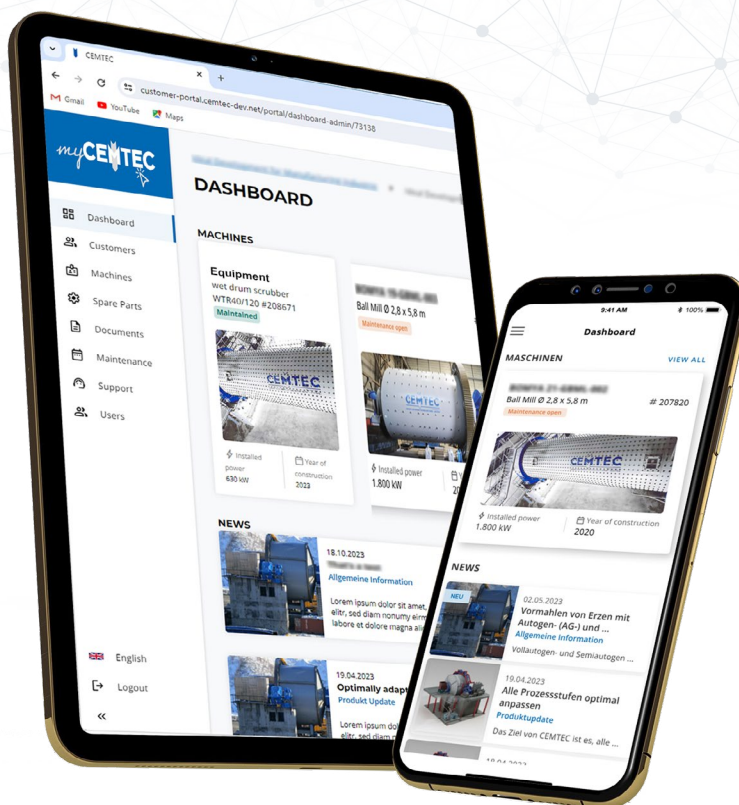
- » Quickly find and order the right parts with ease.

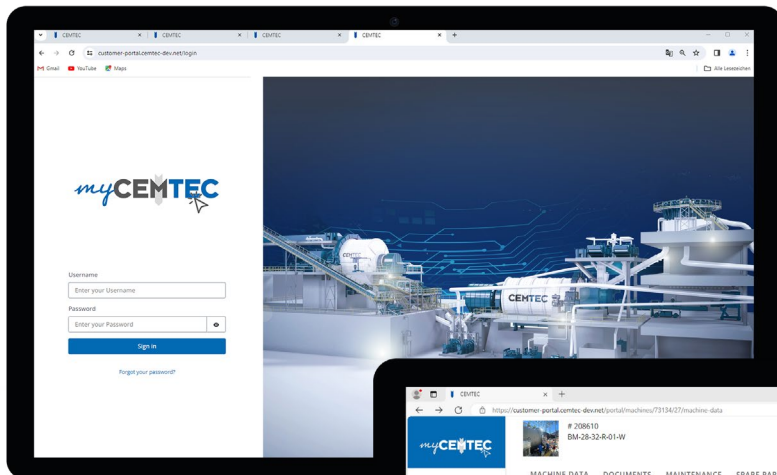
Maintenance Schedules

- » Receive tailored OEM recommendations to ensure best equipment performance.

Fast & Easy Support

- » Get the assistance you need, exactly when you need it — just a few clicks away.





State of the art customer portal to increase your efficiency and reduce costs in the long term

