

**CEGIS**

# MILL DRIVE MONITORING IN REALTIME

**CEMTEC** | **DIGITAL**  
Operate your plant the smart way

# CEMTEC DIGITAL



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# THE CHALLENGE

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## CEMTEC DIGITAL - CEGIS

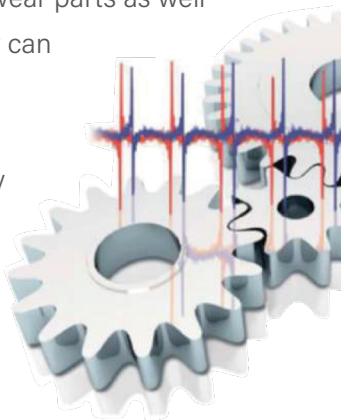
### Real-time monitoring of your mill drive

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 manufacturing 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 drive and provides suggestions for maintenance at the right time. Not when it's too late.



# THE SOLUTION

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## CEMTECs CEGIS System

- reliably monitors the condition of your drive
- offers the possibility of 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
- increased efficiency through transparent data

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**The all-round care free package for  
industrial gear rim applications.**  
.....

**With CEGIS you can optimize your system in a targeted manner.**

- » Foresee imminent damage, thereby increasing plant availability and minimizing repair calls.
- » Minimize your spare parts costs. Replace only those parts where it is actually necessary.
- » All components are in use until they are worn out, but never beyond that.

You will be informed in good time about the need for an exchange.

# APPLICATION

## CEGIS - AREAS OF USE

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. This can optionally be flexibly expanded by additional monitoring of the main mill bearings and motor or gear vibrations.

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

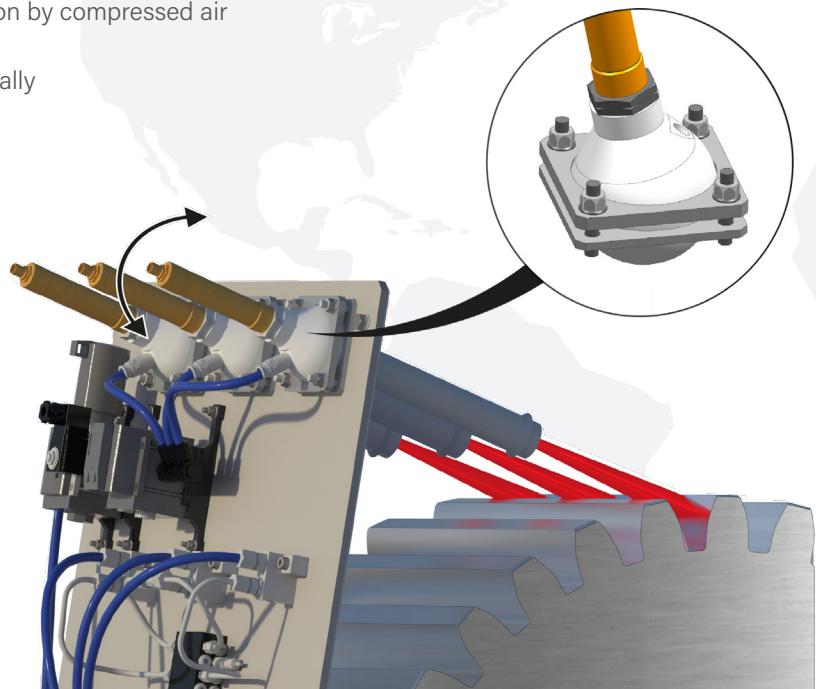
Interested in our mills? Visit:

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## THE PRODUCT

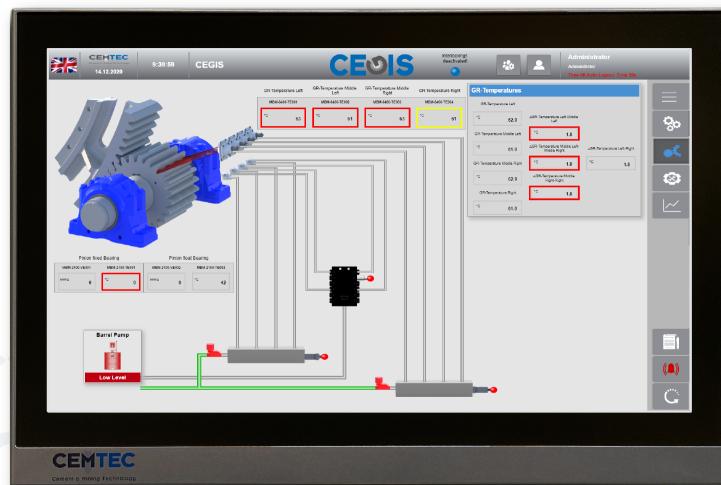
### CEGIS - SPECIFICATIONS - SENSORS

- depending on the sprocket width, 2 - 4 infrared sensors for temperature measurement
- the temperature sensors can each be mechanically adjusted in its mount
- the sensors are protected from contamination by compressed air
- vibration sensors can be attached magnetically

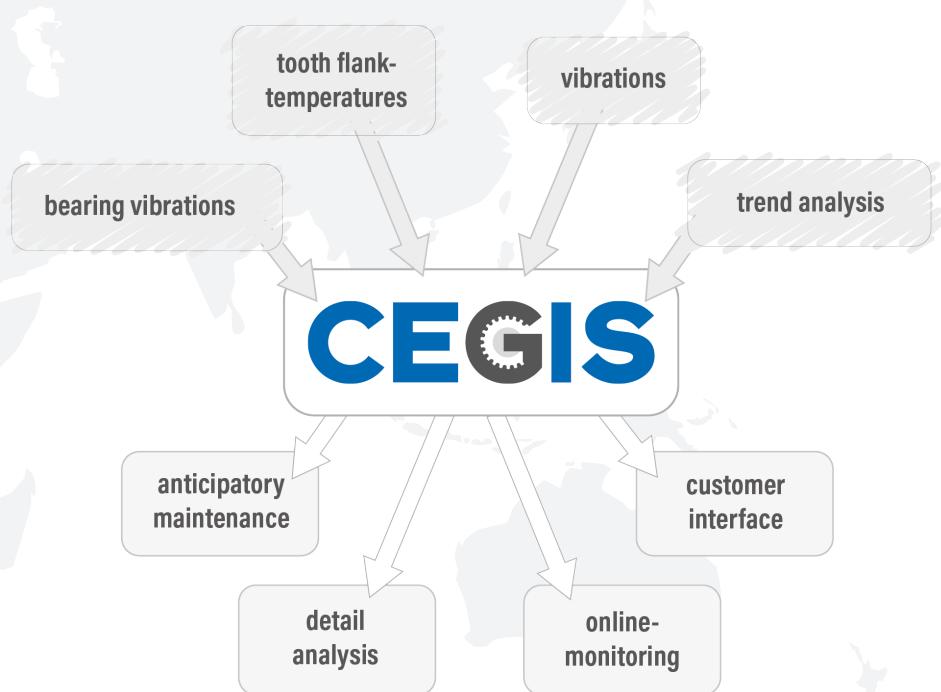


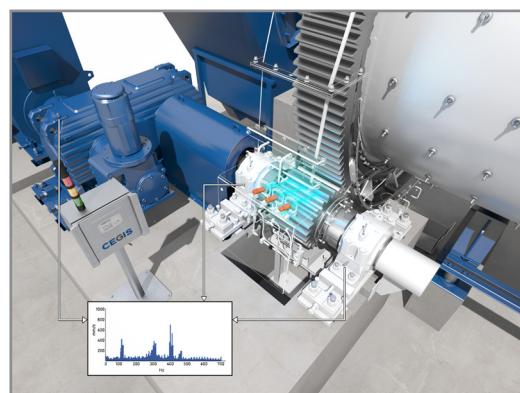
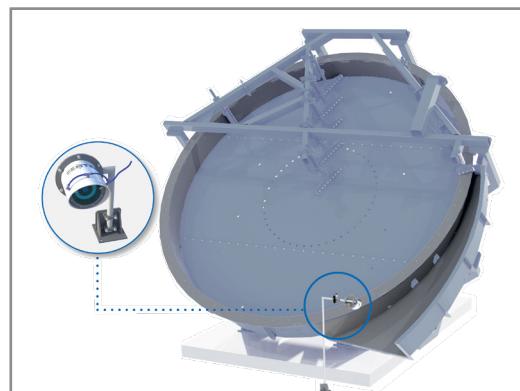
## CEGIS - SPECIFICATIONS - CONTROL

- CEMTEC-Control
- own operating application software with user-friendly interface



- individual connection to the customer control system (Industrial Ethernet, Profibus/-net, OPC UA, etc.)
- 15.6" Multitouchpanel
- industrial PC





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