



MEC Remote

Bosch Industrial

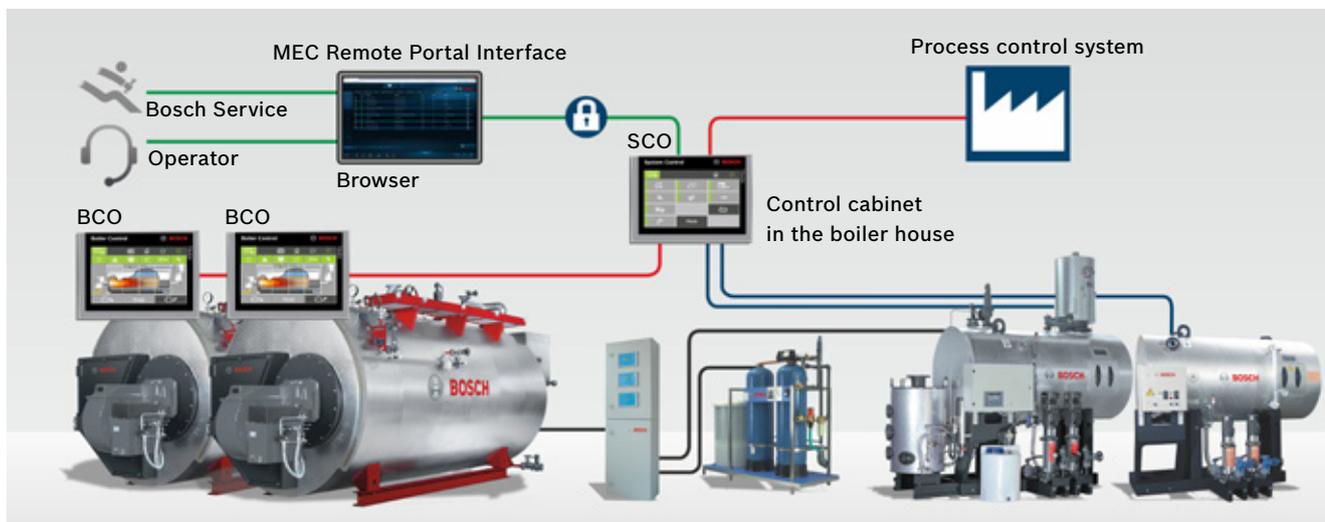


BOSCH
Invented for life

The new Bosch remote maintenance system MEC Remote (Master Energy Control) replaces the former Teleservice for industrial boilers. In the past, this service offered access for the Bosch service experts only. With the new MEC Remote also operators can now access their steam and hot water boilers convenient and safely from a distance. This enables visualizing the boiler and system control via the browser of all common internet-connected devices.

- MEC Remote is thus the ideal solution for all companies:
- ▶ where the operator cannot be on site all the time
 - ▶ that operate several boilers with mandatory supervision
 - ▶ with on-call duty e.g. on weekends

Bosch's boiler controls are compatible with all common automation systems. MEC Remote can also be used for boilers that are not connected to building or production automation systems.





Overview of all your plants (here: Bosch sites)

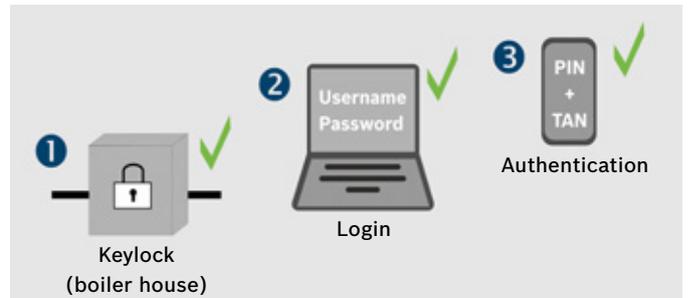
Thanks to an overview map several boilers in different sites all around the world can be monitored at the same time. The optional SMS module sends out defined push notifications whenever an error occurs. This reduces the effort for supervision of plants with especially high reliability requirements, e.g. in 24/7 operation.

Another advantage for operators is the optional remote support by the Bosch Industrial Service. The experts can perform extended parametrization, programming (PLC) and failure analysis directly via MEC Remote. In case of malfunction of components the root cause can be analyzed and the service technician can prepare for the specific situation. Boiler down times and service costs thus can be reduced to a minimum.



Remote access to your boiler control

Highest safety is one of the most crucial requirements to a remote system. The role-based access control concept determines the allowed actions for each user. The remote connection itself is secured mainly by three safety measures: The hardware connection can be activated or terminated at any time via a switch in the boiler house that requires a key. In addition to the login with username and password via a secure connection (https) a mobileTAN system is used. It sends out an one-time access code to the operator, similar to the standards used for online banking.



Three-level security

For privacy reasons, the boiler's operation data is stored locally in the boiler house instead of in a data cloud.

The security concept for MEC Remote was established by ESCRYPT. To maintain the high level of security, regular audits are performed by the external company Cirosec.

Bosch Industriekessel GmbH
Nuernberger Strasse 73
91710 Gunzenhausen
Germany
Tel. +49 9831 56253
Fax +49 9831 5692253
sales@bosch-industrial.com

Bosch Industriekessel Austria GmbH
Haldenweg 7
5500 Bischofshofen
Austria
Tel. +43 6462 2527310
Fax +43 6462 252766310
vertrieb-at@bosch-industrial.com

info@bosch-industrial.com
www.bosch-industrial.com
www.bosch-industrial.com/YouTube

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