



ANDRITZ AUTONOMOUS POWER BOILER SOLUTION

Metris BOA

Metris BOA is a digital advisor that runs 24 hours and 7 days a week using live data from your plant to improve its overall performance. Push notifications via e-mail increase the operators' awareness of unstable operating conditions, from fuel feeding down to flue gas treatment. Recommendations can

provide guidance on how to return the plant to better productivity. Metris BOA is still going beyond your current optimum, providing you with higher efficiency and reduced use of additives and consumables while maintaining your equipment and process in optimum condition at the same time. For example,

clean the heating surface whenever necessary. Adapt the sand feed and bed material dumping rate based on the condition of the fluidized bed. Metris BOA, your digital advisor, will never be too tired to look at your plant through a magnifying glass to bring any optimizing potential up front!

ANDRITZ

ENGINEERED SUCCESS

Operator dashboard to analyze, optimize, and advise

The Metris BOA autonomous power boiler solution is a tool to operate the boiler safely within its design limits and at its optimum efficiency in order to gain maximum steam output at minimum fuel consumption and utilize the consumables (auxiliary power, sand, additives) cost-effectively.

PERFORMANCE ADVISORS

enable the operator to maintain the efficiency of the process easily at its maximum (Efficiency advisor), independent of load, fuel changes (Fuel moisture advisor), combustion fluctuations (Combustion advisor) or dynamics in the behavior of the fluidized bed (Bed condition advisor).

EMISSION ADVISORS

The Max emission advisor's aim is for the actual emissions (half-hour and daily average value) to approach the official limits at maximized

load. The Sorbent advisor's recommendation enables optimized use of additives.

UTILITIES ADVISORS

are designed for cost-effective use of consumables, such as auxiliary steam for soot blowing or electric power for fans and pumps. Furthermore, limit order advisors for utilities like sand enable just-in-time delivery.

ANALYSING TOOLS

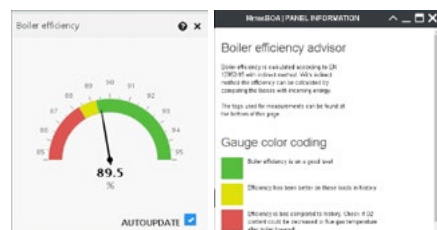
support the assessment of process anomalies with time series and multi-

line diagrams, including rolling average for each selected measurement as well as scattered plots. Statistical values, from mean value to variance and minimum up to median, enable in-depth analysis.

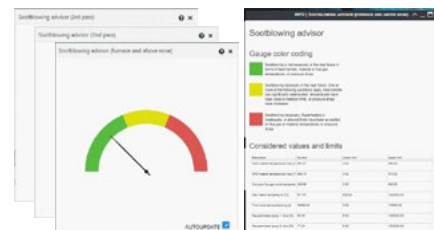
SMART SENSORS – SENTINELS

are additional measuring sensors for temperature, pressure, and vibration that can be easily installed when needed. In addition, they transmit the data via Wi-Fi, Bluetooth or local LTE and most of them are powered by batteries.

Boiler efficiency advisor widget



Soot blowing advisor



Fuel moisture advisor



Acid dew point advisor



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