Seeing is believing, also for power plant operations

cost of operation and production years by now, and we learned that -

have a significant impact on the fuel simulation models, since running the efficiency of thermal power plants, model requires time and efforts which and if there are coupled products they cannot afford, or the results are (e.g. process steam or district heat restricted to a small number of cases several extractions), or other optional equipment (such properly assess the effect of a change ACC/CT bays, evaporative coolers, actually needs to see the overall picture expected fuel consumption becomes conditions in form of a complete too complex a task to be performed operational map. from simple look-up tables, not to The 'big picture' provided in the to super-fast surrogate models that speak of making a good estimation off Visual Operations Support tool produce performance maps and the top of one's head.

the 'big picture'.

A Digital Twin of your power plant | business of thermodynamic simulation | - the performance map for a useris the key to understanding current of power plants for more than twenty defined set of operating parameters. capability, but also to finding more although a good model can exactly between the units or the use of one or profitable ways to operate the plant. represent the actual plant – operators of a combination of options can quickly Ambient conditions and load level typically do not embrace this type of generators due to this limitation. In order to as multiple cooling water pumps, in ambient conditions or set points, one What looks simple and intuitive from duct burners etc.) determining the for fuel consumption under current state-of-the-art simulation technology

makes the difference.

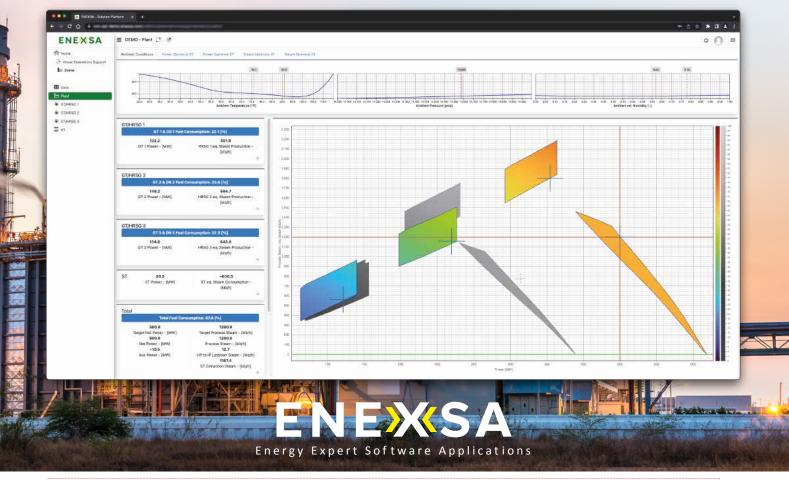
single operating point or parametric ENEXSA's Visual Operations Support mouse-click. With accurate numbers at studies help, but they do not provide displays the performance map of the their fingertips, the plant operators can current operating point with color- quickly compare all options and make The team of the Austrian expert coding for fuel consumption or other the right decisions, without having to company ENEXSA has been in the customized KPI, and - in overlay-mode run a simulation program.

Selecting a different distribution of load be evaluated against the current operating point.

Modern computer technology and machine learning produce the simplicity needed to easily evaluate all options.

a user perspective actually requires under the hood. Accurate EBSILON heat balance models are converted parameter plots consisting of tens Providing detailed results for a With an easy-to-use user interface of thousands of data points within a

If you want to learn more about Visual Operations Support, please contact ENEXSA!



Contact Information: Josef Petek, Manager Commercial Operations, ENEXSA GmbH, Parkring 18, 8074 Raaba-Grambach, Austria 🔳 www.enexsa.com iosef.petek@enexsa.com