

Optimize your operations with CPAS+

Control Performance Analytics combined with an expert analysis

In the process industry, control performance is an important lever for reaching production targets. The single control loop is the initial core for each process application. Studies have shown that approximately half of all control loops are not well-tuned, approximately 25 percent are ineffective, and another quarter show decreasing performance. Other study results indicate that about one third of all control loops are running in manual mode, and 25 percent still use the parameters defined during commissioning.

Control Performance Analytics generates additional transparency, enabling a more efficient optimization. Here's how:

- Automatic detection and KPI calculation for different control states
- Hierarchical plant overview from management view to single control details
- Regular and automated data analytics for long-term process optimization,
- including generated suggestions for further optimization
- Detection of service relevant valves for preventive maintenance

In addition to this automated approach, Siemens Engineering & Consulting offers its control and process expertise. Our process expert will review the KPI's, analyze and share the findings of the review in detail. With our help, you can discover the root cause for nonperforming control loops in the process, and realize the improvement potential of your plant.

Project examples

- Residue incineration plant of an industrial park
- Paper manufacturer
- Crop protection products manufacturer
- Glass packaging manufacturer

Interested? Contact us!
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Your benefit

- Expert assistance for the interpretation of results generated by CPA
- Advanced transparency through a KPI-based control performance overview
- Prioritized identification of optimization potential
- Improved plant asset performance through the correlation between process data with possible asset problems, such as static friction

Our service offer

- Based on the automated control performance analytics of selected controllers, our consultant gives you a written report that includes advice on how to improve the most critical control loops.
- In a presentation the expert will explain and discuss his findings

