



Safely Run Turbomachinery at Its Limit

More Profit, Less Downtime

When damage occurs in turbomachinery, this can quickly become expensive. Maximize availability, performance, and safety with FlexSILon TMC – the fully automated turbomachinery control system from HIMA.

Challenges

As an operator, you strive to ensure your turbomachinery runs as profitably as possible. If damage or an error occurs at your plant, this can have a serious financial impact. The reason for this is that conventional automation systems are simply not powerful enough to continuously run machinery at a high efficiency level. Additionally, the correct implementation of new safety standards requires significant attention and resources.

Solution

FlexSILon TMC from HIMA is a combination of the HIMax controller and special software function blocks for critical control in turbines and compressors. The solution controls highly dynamic processes and, in the event of a problem, automatically ensures that the process is maintained by means of integrated fallback strategies. This avoids unplanned plant downtime.

To enable seamless integration into the entire process, HIMA experts, who are specially trained in TMC, analyze the existing system. They ensure that your turbomachinery runs without interruption and at maximum power.

Then, during operation, fast data logging functions enable you to analyze trends in system behavior and compare them with historical data. This forms the basis for predictive maintenance.

Benefits

Automation technology makes up only 1–2 percent of the total value of a turbomachinery equipment – yet this specific investment has a huge impact on the return you get from what you invest overall in your turbomachinery. Investing in a reliable system that allows you to run machines closer to the limit lines pays off. With low financial outlay, you can increase your revenue – without sacrificing safety. With FlexSILon TMC, your machine achieves maximum availability and always complies with the SIL 3 standard. In comparison to other systems, FlexSILon TMC greatly reduces the frequency of downtime.

From the very start, you can focus on your core competencies while HIMA application engineers take care of full implementation throughout the entire process: from pre-engineering to commissioning.

“With FlexSILon TMC, we can run turbomachinery equipment at maximum efficiency.”

Uwe Bruckhoff

Application Manager
Turbomachinery Control, HIMA

+ Advantages

- **Cover all functions in one system:**
You can cover every TMC function in a single system to reduce complexity and costs.
- **Reduce effort:**
TMC experts from HIMA carry out implementation of the control technology.
- **Increase profitability:**
The machine runs at full power – safely and reliably.
- **Cut costs:** Unplanned downtime is greatly reduced, and production continues.

SOLUTION OVERVIEW

FlexSILon TMC FOR TURBOMACHINERY AUTOMATION

Want to find out more? Contact us:

HIMA Turbomachinery Competence Center

E-mail: solutions@hima.com

Find out more about HIMA solutions for turbomachinery online:

 www.hima.com/en/industries-solutions/turbomachinery-tmc



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