

Anti-Surge-Control Siemens Turbomachinery Applications

Life-cycle Enhancement for Your Rotating Equipment

Siemens is a world-leader in industrial compressors and turbines, gas and steam, for power generation and mechanical drive applications. The products from the entire range are used in petrochemical industries, air separation and Oil & Gas applications.

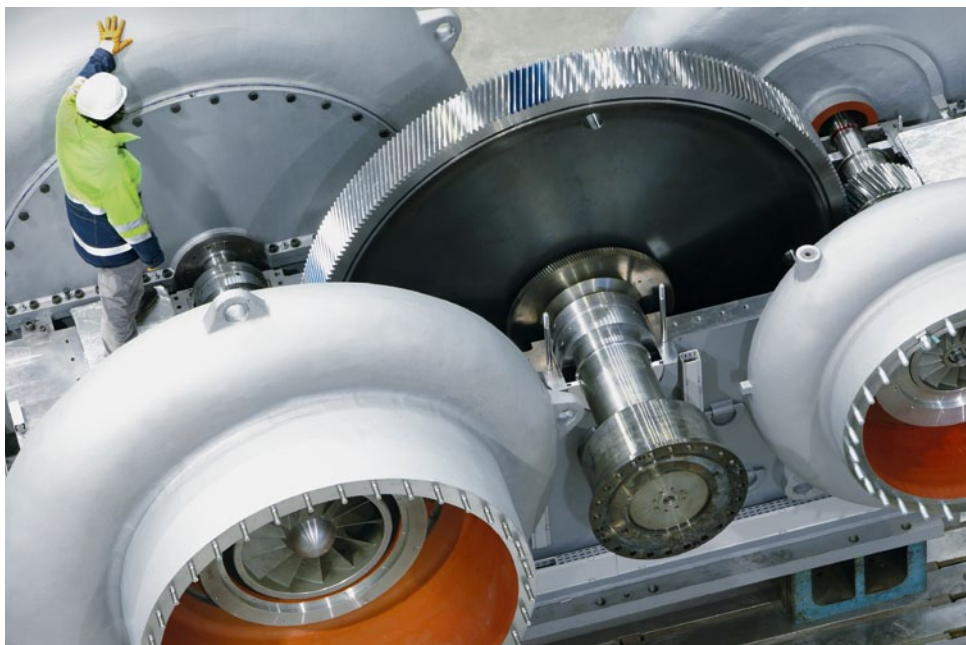
Over the years, Siemens has developed and enhanced several software control modules which perform specific tasks for rotating equipment. The modules are based on Simatic S7 technology and can be easily connected to perform the control required for each individual unit in accordance with customer needs.

These modules are called Siemens Turbomachinery Applications (STA).

STA not only controls your rotating units but can also provide information to help you achieve the maximum value from your equipment by data collection, analysis and report support.

As a new addition to its comprehensive portfolio of products, Siemens is pleased to offer its STA-Anti-Surge-Control, to help you optimize the efficiency of your compressors.

STA Anti-Surge-Control is tailor-made to optimize the functionality of all Siemens units, but, on request, can also be adapted to other equipment by experienced Siemens staff.

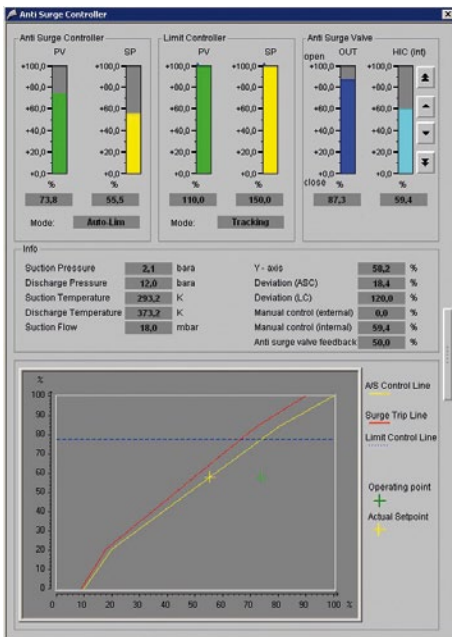


Integrally geared turbocompressor

Siemens Turbomachinery Applications (STA)

Answers for energy.

SIEMENS



Interface of Anti-Surge Controller



Monitoring of a test run in the Duisburg Mega Test Center

Product Performance

Siemens Anti-Surge-Control provides (amongst other things)

- Optimized use with Siemens compressors
- Manual (HIC) function; i.e. aid for commissioning
- Multi-variable diagnostic plots
- Dynamic shift of control line (controller-gain parameters vary according to operating point)

Features and Benefits

With STA Anti-Surge-Control you benefit from the following advantages:

- Integration in the existing Simatic S7 controller (type depends on machine) i.e. no additional hardware or space necessary
- Fast operation and seamless integration in the automation software

- Fast online help and advanced troubleshooting
- Increased overall performance
- Maximum compressor availability and reliability
- Fewer outages and higher production
- Reduction of overhaul costs
- Detailed view of compressor map

Product Specific Options

Siemens can offer a number of specialized solutions and variants, designed to maximize your unit performance, and tailored for your specific machine type.

- Additional limit controller
- Temperature correction
- Stand-alone control for any compressor

Remote Support

Using STA Anti-Surge-Control technology, Siemens is able to offer local advice, support and intervention, provided by specialist personnel in our engineering centers, based on fleet and technical knowledge as an OEM.

In line with our Service Agreements, our Competence Center will assist you with your technical issues and provide online troubleshooting with secured access to the control system.

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