A web-based approach for system monitoring and remote SLR control

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Reliable system monitoring is crucial for the autonomous operation of delicate machinery, since there is no direct operator intervention. In order to provide a maximum of flexibility to the operator, a web-based approach is mandatory. This approach even permits the utilization of mobile phones in the system control process. We implemented a monitoring system based on the Wettzell SysMon software package. The graphical front-end for system monitoring is based on the open source software packages Zabbix and Grafana. Furthermore, a command interpreter was added for the system control. This allows text messages to trigger commands and queries. The result is a simplified interaction with the system control software. A dedicated website now presents the respective user interface. This talk provides an introduction to our implementation.