

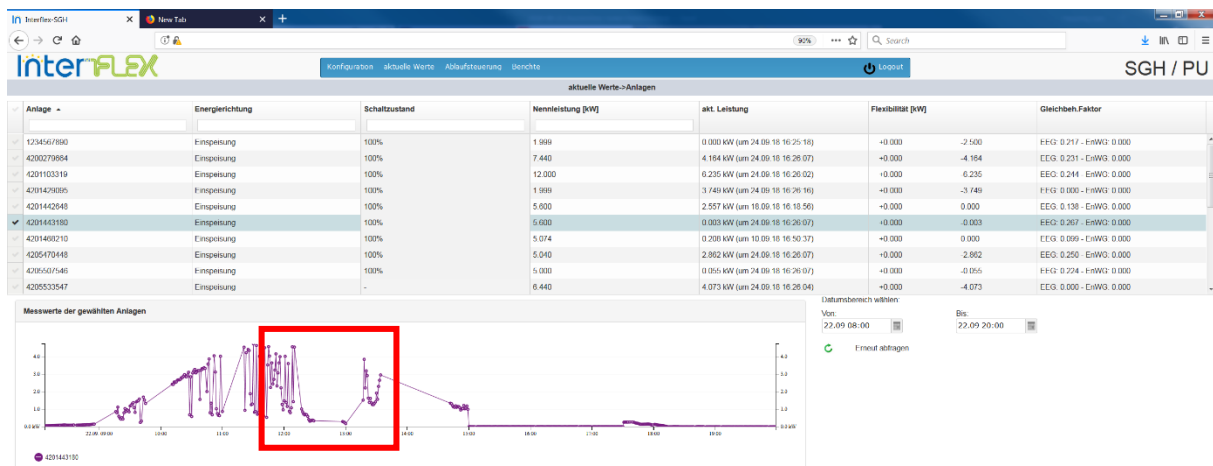
SMART GRID HUB LIVE DEMONSTRATION IN AVACON'S GRID CONTROL CENTER

As part of the surrounding program of the InterFlex annual Community Meeting on October 11th in Hanover, guests and project members had the opportunity to visit Avacon's grid control center in Salzgitter and witness a live demonstration of the Smart Grid Hub remotely controlling small scale flexibilities.

The group of 50 visitors visited the grid control room and could watch the operating engineers look after Avacon's power and gas networks. After a quick peek into the control room for high and medium voltage networks the group followed the demonstration of the Smart Grid Hub (SGH).

The SGH is designed as a control solution to make small scale flexibilities with smart meters directly controllable for the grid operator. In Germany, where feed-in by renewables has to be curtailed frequently to avoid critical overload of the grid, this technology is expected to increase the performance of curtailment mechanisms and reduce the volume of curtailed energy, subsequently increasing the share of renewables. The SGH is fully integrated with the national smart meter framework and offers superior scalability across the German market while guaranteeing a very high degree of privacy and cybersecurity for connected customers.

The picture below shows a screenshot of the operator interface with a list of connected flexibilities and realtime meter data below, including a flex activation between 1 and 3 pm.



Operator Interface used to remotely control small scale flexibilities