

Client:

**INEOS**  
THE WORD FOR CHEMICALS

Kategorie: Production control center.

## Chemical control room: highest availability



JST Measuring station: The Chemical monitoring station of the INEOS Oxide in Cologne can convince both visually and technically. A sophisticated backup concept, latest control technology and ergonomic furniture are only some of the components used here.

Safety, health and environment are top priorities at INEOS. It is therefore not surprising that the highest maxim when planning a new control room was: "Highest availability is a basic requirement for us". This is how Waldemar Seibel, production engineer for process control technology at INEOS in Cologne, summarizes the demands made on the control room specialists at JST. Finally, the new control center monitors all processes in the ethylene oxide and ethylene glycol production plants.

### Highest demands on system architecture

After the initial preliminary discussions, it was quickly clear to Jungmann consultant Volker Weimer: "The standards of INEOS in Cologne for system availability place the highest demands on the system architecture. Based on this, a fully redundant technical concept was developed that meets the requirement:

“The system must be available and operable at all times”.

## **Wanted: "Truly intelligent solution"**

Today's "showpiece control room", which is now visited by international guests of the INEOS Group, was originally intended to receive only a technical update. Seibel: “In the old control room, the technology was installed inside the consoles. At some point you reach your limits. Since ever increasing demands are placed on additional technology and additional monitoring and operating systems, we have searched for a .”

## **Significant added value through JST products**

However, in contact with JST consultant Volker Weimer and the technical experts of the Jungmann team, the production engineer quickly realized “that we can still achieve significant added value with JST products.” In addition to advanced software and hardware solutions, modern large screen technology and ergonomically designed furniture were integrated into the new chemical control room. Waldemar Seibel calls the result “both visually and technically impressive”.

## **Qualified advice directly on site**

The expert from INEOS in Cologne received special praise for the qualified advice provided directly on site. While he took the opportunity to visit JST's control room simulator with a delegation of his maintenance team, he remembers well that the decision making process had already been completed at that point.

## **"Inspired by progress"**

The choice to implement the new control room together with the professionals from JST is evaluated by Waldemar Seibel in retrospect as a “real gain”: “The colleagues are enthusiastic about the progress we have achieved here”.

Control room before and after modernization



"The colleagues are impressed by the progress we've made here."

**Volker Weimer (left) / Stefan Johannsen / Christoph Mock / Waldemar Seibel**

Consultant (JST) / Technician PLT (INEOS) / Technician PLT (INEOS) / Production Engineer PLT (INEOS)

**REQUEST AN OFFER WITHOUT OBLIGATION**

The components used in this project:



**DisplayWall** with special S-PVA panels for reliable 24/7 operation - optional with proactive alarm function



**MultiConsoling® System** – complete control room system for workplace, monitor wall and other systems



**myGUI® user interface** - in the intuitive 3D design of your control room for maximum user comfort



**Stratos X11 control room desk** – optional with height adjustment and proactive AlarmLight system



**PixelDetection**® – proactive alarm software to shorten response times

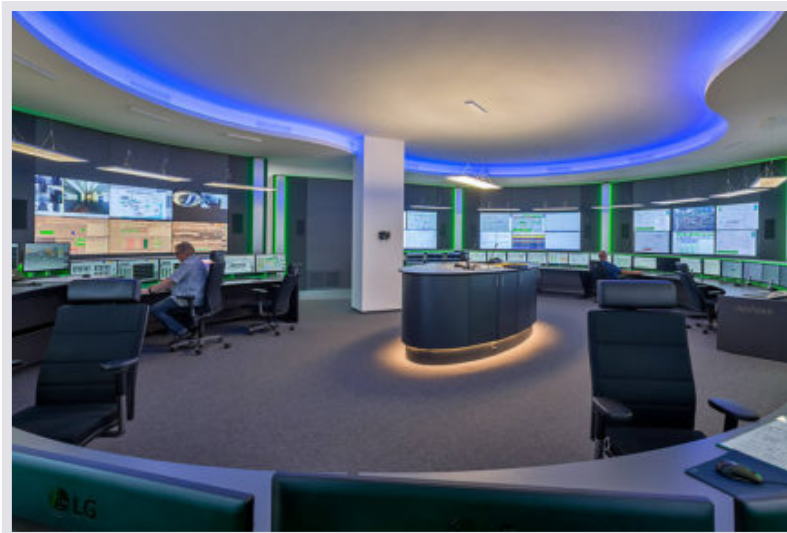


**CockpitView** – dashboard function to compile the most important systems on one monitor

**ControlRoom-Automation** – reliable alarm reception and lightning-fast activation

**Surrounding furniture** – individually manufactured solutions “Made in Germany”

### Other projects with a similar task

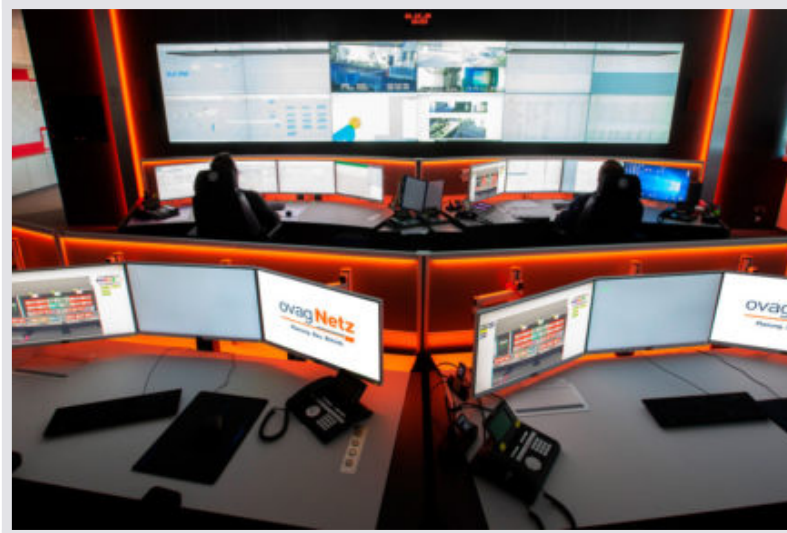


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