



Catalytic Reforming Unit Automation System

Requirements

Implementation

Benefits

Solution Partner: SMS-Automation (Russia)

Customer: Novokuibyshevsk Refinery

Sector: Oil Refining

Requirements of the customer:

- Replace obsolete Damatic Xdi automation system
- Keep terminal and cross components
- Complete the works within the scheduled unit maintenance

SIMATIC PCS7-based automation system of 35-11/300 catalytic reforming unit:

- Redundant AS-stations
- ET 200M redundant distributed I/O stations
- Stand-alone operator stations



Solution
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Automation



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Implementation by the Solution Partner:

- SIMATIC PCS7-based automation system
- Based on Ex-terminal remote workstation in the compressor control room
- Project carried out in the context of customer's activity to ensure compliance with industrial safety standards



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Benefits for the customer:

- Simplified unit service due to unified software and hardware architecture
- Implemented reliable and effective means of process control and monitoring
- Improved functionality compared to outdated and depreciated Damatic XDi automation system



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