



Automation System of Hydrogen Production Offsite Unit

Requirements

Implementation

Benefits

Solution Partner: SMS-Automation (Russia)

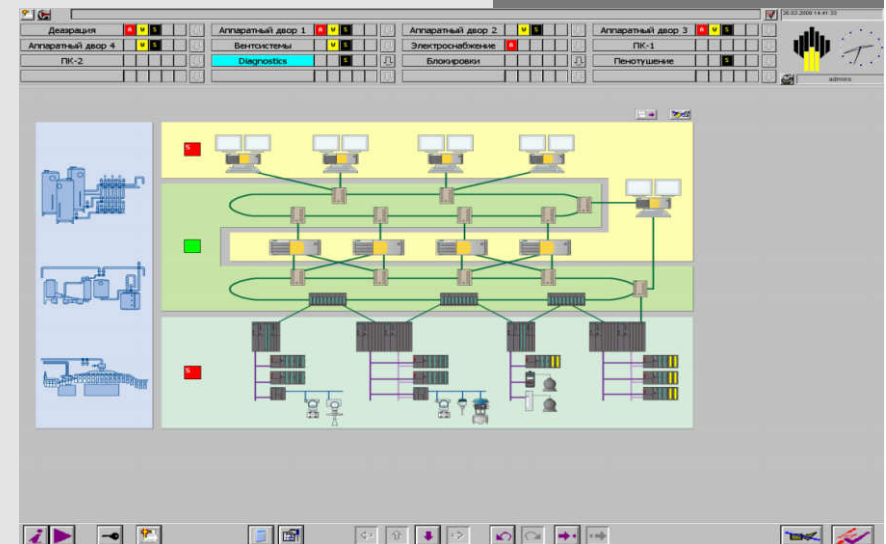
Customer: Syzran Refinery

Sector: Oil Refining

SIMATIC PCS7 –based automation system of offsite unit for short-cycle adsorption hydrogen production

Requirements of the customer:

- Integrate compressor and short-cycle adsorption control systems into automation system
- Provide independent implementation of ESD protection and DSC system
- Complete works in the shortest time



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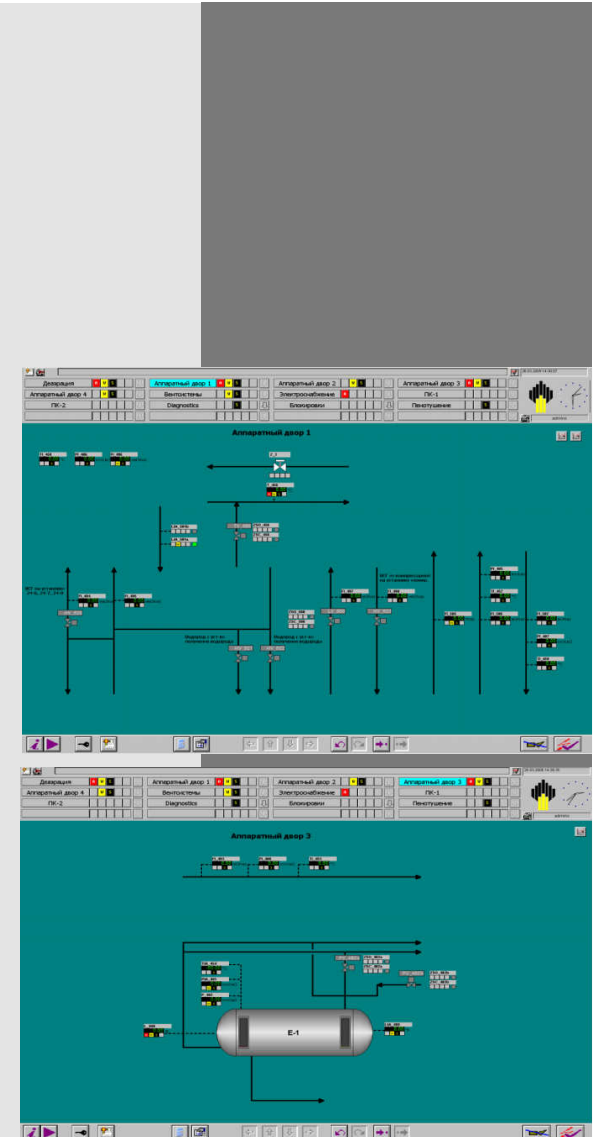
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Implementation by the Solution Partner

- Uniform functionally integrated automation system based on SIMATIC PCS7
- ESD protection using SIL2-certified components
- Data export from automation system to operator control management level implementation



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Benefits for the customer:

- Hydrogen concentration increased up to $\geq 99.9\%$
- Process information provided in common human-machine interface
- Reliable and effective means of process control implemented



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