

Base Oil Refinery

Process Automation of two Hylube™ units for the production of 80.000 t/y high-grade base oils from used oil at Elsteraue/D

Scope and Supply S+S

- + Hylube1 unit – engineering, programming, delivery and commissioning of the DCS
- + Hylube2 unit – engineering, programming, delivery, installation and commissioning of the complete EI&C equipment and the process automation system
- + migration of the Hylube1 DCS Honeywell PlantScape to Honeywell Experion PKS

Features

- + Honeywell Experion PKS DCS with 2 redundant C200-controller, RPI remote IO and FSC failsafe controller (Hylube1 unit) plus 2 redundant C300 controller and SM failsafe controller (Hylube2 unit),
- + fault tolerant Ethernet (FTE) for the communication between controllers, servers and operator stations
- + redundant DCS server and redundant domain server,
- + 7 operator stations at the central control room and for the production manager
- + design and implementation of an alarm management system according ASM consortium guidelines
- + advanced control algorithm for distillation column load changes
- + In all approx. 5,000 process signals and 100 drives