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Process Technology

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Project Profile

Process Plant Solutions

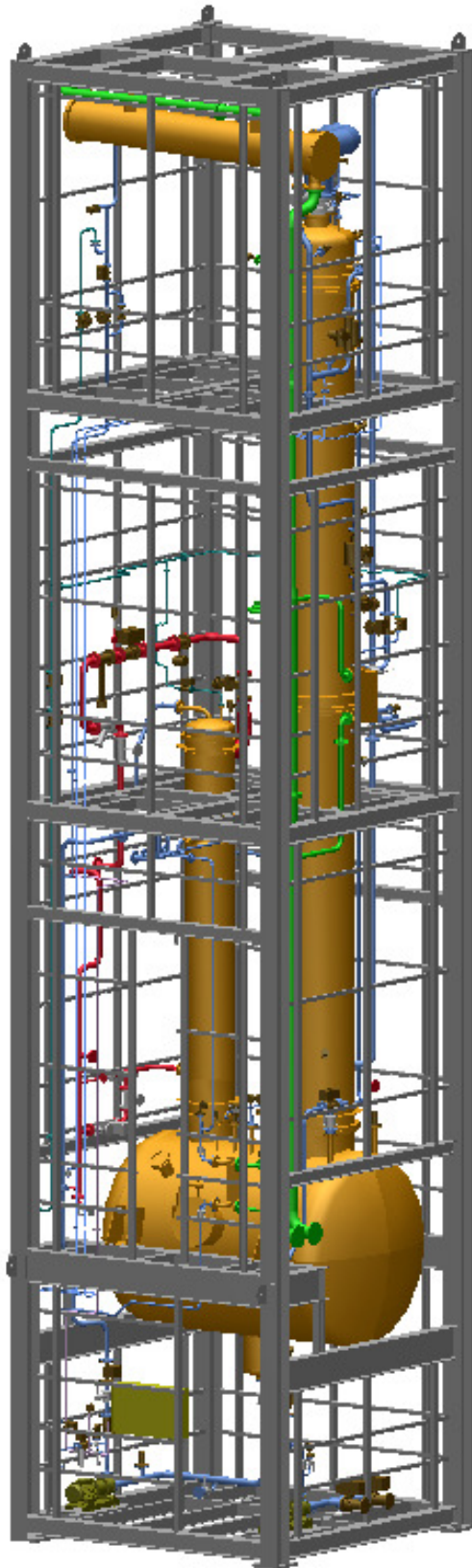
Batch solvent recovery plant

Customer:	Confidential
Plant:	Batch operated solvent recovery plant
Process data:	Batch size: ca. 16 m ³ Organic compounds: Confidential multi component mixture Rec. solvent 1 purity: > 99.90 wt% Rec. solvent 2 purity: > 99.90 wt% Recovery yield solvent 1: > 99 % (<i>incl. recycle</i>) Recovery yield solvent 2: > 82 % (<i>incl. recycle</i>)
SULZER scope:	Process Development & Pilot Plant Tests Design, supply and assembly of a skid mounted distillation plant including the main equipment items listed below, all interconnecting process and service pipe work, insulation, field instrumentation and wiring to junction boxes incorporating remote IO and PLC system, including visualisation system. The key-equipment and skid mounted plant were built in Sulzer's workshops in Allschwil, Switzerland according to European standards. All process equipment in 316L.
Main equipment:	<ul style="list-style-type: none">- Batch holding vessel- Fractionation column, inclusive all column internals- Falling Film Evaporator, type FVL- Horizontal shell & tube condenser, type NK- Circulation & transfer pumps- Welded plate heat exchangers
Special features:	The quality of the recovered solvents was controlled additionally by an in-line GC measurement system. Interaction between GC-cabinet and plant PLC systems was in Sulzer's scope of supply.
Project Schedule:	The plant was delivered to site within 8 months of order.
Skid size:	18.0 m x 4.0 m x 4.0 m Weight ~ 34 tons
Customer contact:	Available on request

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