



HDS PLANTS

Low-sulphur fuels play an important role in the reduction of traffic-related emissions.

Due to tightened national and international regulations on limiting values – the sulphur concentration of diesel and gasoline must not exceed 10 ppmw in the EU – there is a worldwide tendency to low-sulphur or even sulphur-free products.

EDL Anlagenbau Gesellschaft mbH Leipzig has many years of experience in this field of refinery technology.

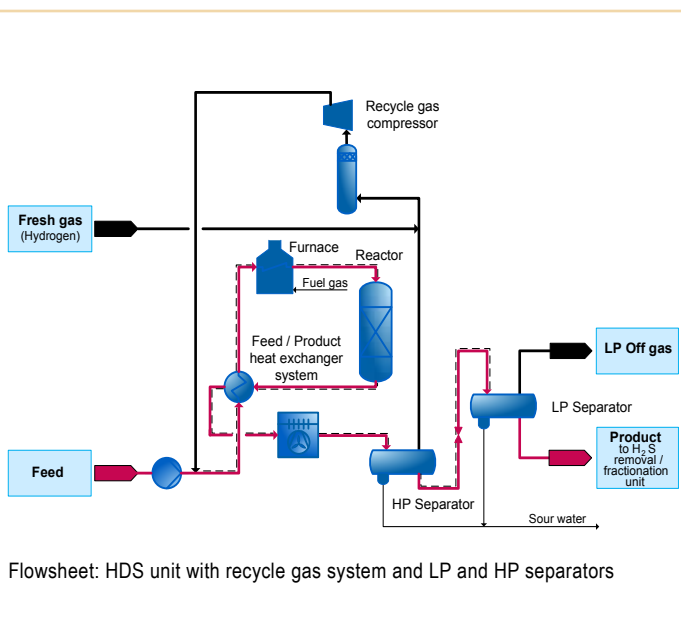


HDS1 plant at OMV Refinery Schwechat, Austria

THE PROCESS

State-of-the-art technology for deep desulphurization of mineral oils is the hydrotreating (hydrodesulphurization, HDS). The core process of an HDS plant is a heterogenous catalysis running within a temperature range of 250 to 400 °C and at pressures of 30 to 200 bar. Due to different product requirements HDS processes differ in:

- reaction conditions
- hydrogen operation mode (once-through operation or recycle operation)
- configuration of the separation stages
- type of fractionation



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WE PROVIDE SOLUTIONS ... COMPETENTLY, EFFICIENTLY AND RELIABLY

Based on the specific requirements of the customer and in co-operation with international licensors EDL develops tailored solutions for desulphurization projects.

Our experienced HDS technology team is at your disposal for conceptual studies, basic and detail engineering, no matter whether it is a new plant or plant revamp.



Desus 1 reactor at PCK Refinery Schwedt, Germany

OUR REFERENCES IN THE FIELD OF HDS UNIT REVAMPS WILL CONVINCE YOU.

Plant	Client	Location / Country	Year
2 HDS plants (kerosene, diesel)	JSC Tatneft	Nizhnekamsk / Republic of Tatarstan, Russia	2014
Revamp of gasoil desulphurization	SDO Refinery	Heide / Germany	2009
Revamp of HDS1 plant	OMV Refinery	Schwechat / Austria	2008
Revamp of HDS1 plant	OMV Refinery	Burghausen / Germany	2006
Revamp of gasoline hydrotreating 3	BP Refinery	Lingen / Germany	2006
Revamp of middle distillate desulphurization 3	BP Refinery	Lingen / Germany	2006
Revamp of middle distillate desulphurization 2	BP Refinery	Lingen / Germany	2006
Optimization of LCO processing	PCK Refinery	Schwedt / Germany	2005
Increase of throughput capacity of Desus 2 plant	PCK Refinery	Schwedt / Germany	2002
New 500 m ³ reactor for Desus 1 plant	PCK Refinery	Schwedt / Germany	2002

We look forward to presenting our capabilities to you in a personal meeting.

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