



Mechanical Technology

References

Uhde Services



ThyssenKrupp

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Completion	Client Location Plant Name	Plant Unit	Scope / Contract Project notes	Further Explanations
2013	Uhde GmbH Dortmund Germany	Coke plant expansion Hüttenwerke Krupp Mannesmann Duisburg-Huckingen	Engineering, fabrication, delivery and erection of a complete new hydraulic system for each of the existing coke oven machines including all necessary mechanical modifications	Modification of the existing pushing, charging and transfer machines to achieve the new pushing schedule for 2 batteries
2013	Uhde GmbH Dortmund Germany	Coke plant expansion Hüttenwerke Krupp Mannesmann Duisburg-Huckingen	Engineering, fabrication, delivery and erection of the mechanical parts of the new coke oven battery	The new coke oven battery will comprise 70 large-capacity ovens
2011	Küttner Essen Germany	Sinter plant 2 Process gas cleaning device ThyssenKrupp Steel Europe	Engineering, fabrication, delivery and erection of the waste- and clean gas ducts as well as the silo station	Installation of a new process gas cleaning device due to environmental protection requirements in connection with reduction of emissions
2011	Ruhrkohle AG Herne Germany	Coke plant Prosper Bottrop	Engineering, fabrication, delivery and erection of the collecting main for the pushing emission control system of battery 1, 2 and 3	Disassembling of the old main suction duct and assembling of the new system during full operation
2008	Uhde GmbH Dortmund Germany	ATR-Pilot Plant	Fabrication and delivery of steel construction for the ATR-Rack and the modules. Complete fabrication of the pipes as well as piping of the modules.	Material: P 235 GH 13 CrMo 4-5 X6 CrNiMoTi 17-12-2
2007	THYSSENKRUPP STEEL AG Duisburg Germany	Blast furnace H08 Duisburg-Hamborn	Engineering, fabrication, delivery, erection, EMSR-electrical installation and commissioning of a de-dusting system for the on site raw material bunker plant. Track 1, 2 and 3 for the supply of the blast furnace H08 and H09	Stationary suction hoods, mobile suction car with cable winch, steel construction, main collection ducts with system track and cover belt, connective stub lines to on site bag filter and electrical installations for system integration.

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2007	THYSSENKRUPP STEEL AG Duisburg Germany	Blast furnace H08/H09 Duisburg-Hamborn	Reconstruction stockhouse blast furnace 8 / improvement of performance (reconstruction) stockhouse blast furnace 9. Delivery and erection of machines, silos, storage bins, conveyors and pipes	Material: a) Steel to DIN 17100 and ceramic lining b) High grate steel, 1.4541/1.4408
2007	DSD Dillinger Stahlbau GmbH Duisburg Germany	Coke Plant Schwelgern ThyssenKrupp Steel	Supervision for battery 1 and 2. Erection of battery 2	Material: a) Carbon steels to DIN EN 10025 Material-No. 1.0112,1.01.0305 b) High grate steel 1.4301 Material-No. 1.4541
2007	ARCELOR MITTAL BREMEN Bremen Germany	Coke sieving plant	Delivery and erection of conveyors, sieving machines, vibrating conveyors, bunkers and steel construction	Ceramic material Plastic Rubber S235JRG2 S355J2G3 (with welding bend test Z15 and ultrasonic test)
2005	Arcelor Cockerill Sambre Seraing Belgium	Seraing, Belgium	Pushing emission control system including electrical system and hydraulic control	Engineering, fabrication and erection of - hood car - coke-guide car - main suction pipe
2005	COKES DE CARLING France	Modernization of a gas collection main Batteriegroup 3, battery 10 and 11	Engineering, delivery erection, commissioning of the complete collection main at the batteries 10 and 11 of battery group 3	Material: S235J2G3 EN-GJS-400 EN-GJS-250
2005	CARBONARIA Beteiligungsgesellschaft Schwelgern mbH Duisburg Germany	Refrigeration Plant Coke Plant Schwelgern	Delivery and erection of refrigeration machines, pipes, equipment, pumps, electrical installation	Material: Steel to DIN 17100 and CU

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2004	HRS ANLAGENBAU für Carbonaria Duisburg-Schwelgern Germany	Claus plant New building of the coke plant Schwelgern	Prefabrication and erection of pipes, fabrication, delivery and installation of special supports	Material/Material-No.: 1.0254P 235 TR1 1.0345P 235 GH 1.0457L 245 NB 1.541516 Mo 3 1.4401X 5 CrNiMo 17-12-2 1.4571X 6 CrNiMoTi 17-12-2 1.4724X 10 CrAlSi 13 1.4828X 15 CrNiSi 20-12 1.4922X 20 CrMoV 11-1 2.4819NiMo 16 Cr 15W
2004	US Steel Kosice Slovakia	Kosice, Slovakia	Pushing emission control system including electrical system and hydraulic control	Engineering, fabrication and erection of - hood car - coke-guide car - main suction pipe
2004	Zentralkokerei Saar	Pushing ram	Detail-Engineering, fabrication, delivery and installation	Dimensions: 29,9 m x 5,9 m x 0,5 m Material: 16 Mo 3
since 2002	ThyssenKrupp Steel AG für Kokereibetriebsgesellschaft Schwelgern mbH (KBS) Duisburg Germany	Battery 1 and 2	Check and alignment of the furnace bracing	Material: S235JRG2
since 2002	ThyssenKrupp Steel AG für Kokereibetriebsgesellschaft Schwelgern mbH (KBS) Duisburg Germany	Battery 1 and 2	Change of the chamber- frames at the coke oven doors of the coke battery	Material: Cast steel
1999	DOW CHEMICAL Schkopau	SPS plant	Drums, machines, pumps and agitators (ca. 400 t) as well as piping up to diameter DN 1200 (ca. 400 t)	Material: a) Carbon steel St 37.0 b) Alloyed steel 13 CrMo44, 10 CrMo 9 10 15 Mo 3 c) High grade steel 1.4306, 1.4541
1998-2000	HÜLS AG Marl Germany	Acetylen plant	Agitators, pumps, columns (980 t) and piping (720 t)	Material: St 35, 1.0308 DIN 1629 RSt 37-2, 1.0038 DIN 17100 St 35.8 I, 1.0305 I DIN 17175 St 35.8 III, 1.0305 III DIN 17175

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since 1994	Shell Deutschland Oil GmbH Wesseling Germany	Rheinland-Raffinery North / South	Frame contract works like maintenance, repair and new fabrication of heat exchangers, vessels, tanks, filters etc.	a) Carbon steel: 1.0254 - P 235 TR1 1.0345 - P 35 GH 1.5415 - 16 Mo 3 1.5471-X6 CrNiMoTi 17-12-2 1.0425 - P 265 GH 1.0481 - P 295 GH 1.7335 - 13 CrMo 4-5 b) High grate steel 1.4541
1993	THYSSENKRUPP ENCOKE Sollac, Dünkirchen Germany	Battery 7	New building of a coke plant including piping bridges	
1991	RUHRKOHLE NIEDER- RHEIN AG Dortmund Germany	Coke plant Kaiserstuhl III	2 batteries including suction main and wet quenching	Material: a) Carbon steel St 37.0 b) High grate steel 1.4301, 1.4571
since 1989	Salzgitter Flachstahl GmbH Salzgitter Germany	Battery A and B	Check and alignment of the furnace bracing	Material: S235JRG2