

REFERENZLISTE (Auszug) / REFERENCE LIST (Extract)

Client/Country	Place of	Capacity/ Installation Contract Type	Plant Features	Raw Material	Year of Com./ Finalization
TIB Chemicals Germany	Mannheim	180 t/d Revamp EPC	H2SO4-Plant Intermediate Absorption Tower DCDA	sulphur	2011
Crimea Titan PJSC * Ukraine	Armjansk	2.000 t/d New SAP EP/S	H2SO4-Plant THRC (Total Heat Recovery) DCDA	sulphur	2012
BASF SE * Belgium	Antwerp	1.500 t/d Oleum New SAP EP/S	Oleum-/H2SO4-Plant DCDA	sulphur	2011
Yara Suomi Oy Finland	Siilinjärvi	1.450 t/d Revamp EPC	H2SO4-Plant Stainless Steel Converter, Radial Flow Gas/Gas Heat-Exchanger's, Pump Tank, Gas Cleaning Section (WESP, Cooling Tower, Quench Tower) DCDA	pyrrhotine roasting gases from fluidized bed and sulphur burning	2011

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Bandirma Gübre Fabrikalari A.Ş. (Bağfaş) Turkey	Bandirma	1.650 t/d Revamp EP/S	H2SO4-Plant MBRF-Gas/Gas Heat Exchanger's, Molten Sulphur Filter, Waste Heat Boiler DCDA	sulphur	2013
UBE ASIA Thailand	Rayong	700 t/d Revamp EPC	Oleum-/H2SO4-Plant Stainless Steel Converter, Sulphur Furnace, Superheater DCDA	sulphur	2014
Huntsman Germany	Duisburg	400 t/d Revamp EPC	H2SO4-Plant Intermediate Absorber IAT1, Gas Cleaning Section (WESP's), Eng. for Re-Design the 3 Acid Lines to 2 Lines DCDA	roasting	2016
Boliden Kokkola Finland	Kokkola	1.100 t/d Revamp/upgrade EPC	H2SO4-Plant Stainless Steel Converter, MBRF- Gas/Gas Exchanger DCDA	Zn-roasting	2016

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Grodno Azot * Belarus	Grodno	545 t/d Revamp/upgrade EP/S	Oleum-/H ₂ SO ₄ -Plant Stainless Steel Converter, Sulphur Furnace SCSA	sulphur	ongoing
Huntsman Germany	Duisburg	400 t/d Revamp EPC	H ₂ SO ₄ -Plant Intermediate Absorber IAT2, WESP DCDA	roasting	2019
Domo Caproleuna Germany	Leuna	955 t/d Revamp E	Oleum-/H ₂ SO ₄ -Plant Oleum Absorber, Stack DCDA	sulphur	2019
DLM Morocco	El Jadida	12.000 t/d New Melting Sec- tion E	Sulphur Melting Unit	sulphur	2019
Grillo-Werke Germany	Frankfurt	650 t/d Revamp E	Oleum-/H ₂ SO ₄ -Plant Oleum Absorber, Plant Automation DCDA	sulphur	2019

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Yara Suomi Finland	Siilinjärvi	1.450 t/d Revamp EPC	H2SO4-Plant Intermediate Absorber SAP 1 DCDA	pyrrhotine roasting gases from fluidized bed and sulphur burning	2019
Yara Suomi Finland	Siilinjärvi	1.450 t/d Revamp EPC	H2SO4-Plant Converter SAP 2 DCDA	pyrrhotine roasting gases from fluidized bed and sulphur burning	2020
Sitech Netherlands	Geleen	700 t/d Revamp EPC	H2SO4-Plant Sulphur Furnace, WHB, Eco, Super- heater -- --	sulphur	2021
CWK Germany	Bad Koestritz	55 t/d New SAP EPC	H2SO4-Plant SAP incl. SO2-Liquefaction SCSA with Tail Gas Cleaning	sulphur	ongoing
Boliden Sweden	Skelleftehamn/ Rönnskär	2.000 t/d Revamp EPC	H2SO4-Plant Drying Tower, Pumptank, Blower DCDA	Cu-smelter	2020

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Boliden Finland	Harjavalta	930 t/d Revamp EPC	H2SO4-Plant Drying Tower, Absorption Tower, Pumptank DCDA	Cu-/Ni-smelter	2021
Climax Netherlands	Rotterdam	160 t/d Revamp complete SAP EP/S	H2SO4-Plant Gas Cleaning Group, Absorption Group, Conversion Group SCSA	Mo-roaster / sulphur	ongoing
UBE Spain	Castellón	300 t/d Revamp / Modern- ization complete SAP E	H2SO4-Plant Sulphur Cleaning/Melting Group, Absorption Group, Conversion Group SCSA	sulphur	2020
UBE Spain	Castellón	300 t/d Revamp / Modern- ization EPC	H2SO4-Plant Converter, Sulphur Furnace, WHB SCSA	sulphur	ongoing

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Cinkarna Slovenia	Celje	620 t/d Revamp EPC	H2SO4-Plant Sulphur Furnace, WHB DCDA	sulphur	ongoing
Bandirma Gübre Fabri- kaları A.Ş. (Bağfaş) Turkey	Bandirma	1.650 t/d Revamp EP/S	H2SO4-Plant Replacement of complete absorp- tion group DCDA	sulphur	ongoing
Domo Caproleuna Germany	Leuna	955 t/d Revamp EPC	H2SO4-Plant Replacement of Sulphur Furnace, WHB DCDA	sulphur	ongoing

Note: * in cooperation with CAC (HUGO PETERSEN holding company)

DCDA: Double Contact Double Absorption Process

SCSA: Single Contact Single Absorption Process