

Selected References Revamps

REVAMPED
BY PÖRNER GROUP



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Pörner Projects

Pörner Revamp Projects, since 2005

Client <i>Project</i>	City <i>Projectscope</i>	Country <i>Services and Supplies by Pörner</i>	Start <i>Project / Scope*</i>	End
OMV Refining & Marketing GmbH <i>RD4-Opportunity Crudes (RD4-OC): Modernisation of Crude-Oil-Distillation Plant (RD4)</i>	Schwechat Yield improvement and enhanced plant operation mode, replacement of column bases, pipes and miscellaneous MSR-equipment	Austria FEED, basic engineering, detailed engineering, procurement, construction- and installation supervision, commissioning support	2015 Modernisation <i>EPCM</i>	2016
OMV Refining & Marketing GmbH <i>DEA2-Revamp: Modernisation of Distillation Plant 2 (DEA2), Crude Oil Distillation Plant (RD4)</i>	Schwechat Yield improvement and enhanced plant operation mode, column D8822 decommissioning, new construction of column D8833 incl. filter and coalescer, installation of new steam control valves for the reboiler of RD4-gasoline stabilisator	Austria FEED, basic engineering, detailed engineering, procurement, construction- and installation supervision, commissioning support	2015 Modernisation <i>EPCM</i>	2016
Agrana Stärke GmbH <i>Capacity expansion of a special baby food production</i>	Gmünd Construction of a 4 floor extension including connection to the existing special baby food production, construction of a storehouse with four truck loading stations	Austria Engineering design, layout, schedule planning, authorities submission, service specifications, tender, detailed engineering - architecture-civil engineering & construction, material determination, site supervision	2015 Modernisation <i>EPCM</i>	2015
OMV AG <i>Modernisation of the Hydrodesulphurisation Reaktor HDS3</i>	Schwechat Replacement of the HDS3 Reactor of the Desulphurisation and Denitrification of vacuum gasoil	Austria FEED, basic engineering, detailed engineering, procurement, construction and site supervision, start-up assistance	2014 Modernisierung <i>EPCM</i>	2016
Dynea Erkner GmbH <i>Re-installation and Modernisation of a Formalin Plant</i>	Erkner Re-installation and modernisation of a formalin plant plus methanol tanks and infrastructure	Germany Detailed engineering, procurement services, site supervision	2014 Modernisation <i>EPCM</i>	2015

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LERG SA <i>Upgrade and Expansion of a Formalin Plant</i>	Pustkov Upgrade and capacity expansion for a formalin plant	Poland Detailed engineering: Intergraph 3D model, piping, stress analysis, electric, civil engineering	2014 Engineering <i>E</i>	2015
Domo Caproleuna GmbH <i>Nitrogen Reduction Unit</i>	Leuna Basic engineering for the emissions reduction of nitrogen	Germany Basic engineering	2014 Engineering <i>E</i>	2014
AMOC Alexandria Mineral Oils Company <i>Wax Molding Unit</i>	Alexandria Capacity extension of an existing wax molding unit from six to eight production lines up to 23,000 TPA; including adaption of the cooling system and exchange of the complete control system (PLC)	Egypt Detail design of the new wax molding units as well as cooling- & control system, procurement, supply of equipment, site supervision	2013 Brown field <i>EPCM</i>	2014
Confidential <i>Hydrogen Production Plant</i>	Confidential Engineering for the construction of a hydrogen production plant	Belgium Detailed engineering for piping and civil structure	2013 Engineering <i>E</i>	2014
Dynea Erkner GmbH <i>Engineering for the Re-installation of a Formalin Plant</i>	Erkner Engineering for the re-installation of a formalin plant, including methanol tanks and infrastructure	Germany Basic engineering, authority engineering,	2013 Engineering <i>E</i>	2014

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ICL-IP Bitterfeld GmbH <i>Phosphate Ester Unit for Production of SOL-DP</i>	Bitterfeld-Wolfen Modification of a phosphate ester unit for the production of SOL-DP	Germany	2013	2014 Engineering <i>E</i>
OMV AG <i>Modernisation of Crude Oil Distillation Plant RD4</i>	Schwechat Modernisation of the crude oil distillation plant4 (RD4), distillation plant1 (DEA1), distillation plant2 (DEA2), new residue cooling system (RSK) to increase cooling capacity at residue line	Austria FEED, detailed engineering, procurement, construction supervision, commissioning support	2013	2014 Modernisation <i>EPCM</i>
OMV Petrom SA <i>Renovation of three existing buildings</i>	Petrobrazi Renovation of three existing buildings and relocation of controll room	Romania architecture, statical engineenig, piping, electric, HVAC; EMSR	2013	2014 Modernisation <i>EPCM</i>
OMV Petrom SA <i>CX3 - Coker Unit</i>	Petrobrazi Replacement of 2 coker feed pumps during operation	Romania EPCM: authority engineering, detail engineering, procurement, construction management, pre-commissioning, operator training, start-up	2013	2014 Modernisation <i>EPCM</i>
OAo Norilsk Nickel <i>Construction of a Sulfur Recovery Unit</i>	Moscow / Norilsk Engineering for the construction of a sulfur recovery unit	Russia Project documentation, state expertise	2012	2015 Engineering <i>E</i>

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OMV AG <i>Reconstruction of Butadiene Production Plant</i>	Schwechat Capacity expansions to Butadiene production plant, including exchange of heatexchanger, pumps and 410 pipes	Austria FEED, detailed engineering, procurement, construction supervision, commissioning support	2012 Modernisation <i>EPCM</i>	2014
PCK Raffinerie GmbH <i>Safety Optimization for Distillation Column DK2</i>	Schwedt HAZOP DK2 - Safety optimization for distillation column DK2; Revamp of the Medium-pressure desulphirization plant DK2 with replacment if stripping column	Germany Basic engineering, detailed engineering, procurement, site and construction supervision, commissioning	2012 Modernisation <i>EPCM</i>	2014
Total Raffinerie Mitteldeutschland GmbH <i>FCC Gas Processing Unit</i>	Leuna Reconstruction of the FCC gas processing unit to increase the yield structure	Germany Detailed engineering, procurement, site- and construction supervision, commissioning support	2012 Modernisation <i>EPCM</i>	2014
Total Raffinerie Mitteldeutschland GmbH <i>Alkylation Unit</i>	Leuna Reconstruction of the alkylation unit for capacity increase of alkylate yield	Germany Detailed engineering, procurement, site- and construction supervision, commissioning support	2012 Modernisation <i>EPCM</i>	2014
French Engineering Company <i>Revamp of a Gas Dehydration Unit</i>	Kharyaga Engineering assistance for the revamp of a gas dehydration unit (GDU)	Russia Site survey, detailed engineering	2012 Modernisation <i>E</i>	2013

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OMV Petrom SA <i>MIFR - Mounting Internal Floating Roofs</i>	Petrobraz Upgrade existing 9 gasoline tanks with floating membranes, double seals, diffusers	Romania Definition of assessment scope and repairing works, tank roundness checks and tank foundation expertise	2012 Expertise <i>STUD</i>	2013
OMV Petrom SA <i>Tank farm optimization</i>	Petrobraz Condition assessments and repairing definition for 11 storage tanks incl. specification for new equipment - floating membranes, mixers, breathing valves, electric & instrument specification	Romania Basic Engineering, Detail Engineering, Procurement, Authority Documentation, Operator Training	2012 Modernisation <i>EP</i>	2013
Dynea Erkner GmbH <i>Modernisation and Upgrade of a Phenolic Resin Plant</i>	Erkner Modernisation and upgrade of a phenolic resin plant including infrastructure and utilities measurements	Germany Engineering	2012 Engineering <i>E</i>	2012
PCK Raffinerie GmbH <i>Capacity Expansion of the Vacuum Distillation Unit (VT3)</i>	Schwedt Capacity expansion by the replacement of the vacuum column of the vacuum unit (VT3) based on the modern deep-cut process	Germany Extended basic engineering, detailed engineering, procurement, site and construction supervision	2011 Modernisation <i>EPCM</i>	2013
PCK Raffinerie GmbH <i>Capacity Extension for Fluid-Catalytic-Cracking FCC Unit</i>	Schwedt Capacity Extension for FCC Unit	Germany Detailed engineering, authority engineering, procurement, site and construction supervision, commissioning	2011 Modernisation <i>EPCM</i>	2013

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OMV Petrom SA <i>Liquid Petrol Gas LPG-Loading Unit</i>	Petrobrazi Planning of a revamp and extension of a liquefied petroleum gas loading unit incl. safety engineering	Romania EPCM incl. basic engineering, detailed engineering, procurement, project management, commissioning, documentation; Engineering for Tie-Ins	2011 Modernisation <i>EPCM</i>	2012
Domo Caproleuna GmbH <i>Phenol Unit Expansion</i>	Leuna Detailed engineering and services for the capacity expansion of the phenol production unit	Germany	2011 Engineering <i>E</i>	2011
Dynea Erkner GmbH <i>Framework Agreement for a Phenolic Resin Plant</i>	Erkner Modernisation of a phenolic resin plant and ist infrastructure	Germany Basic and detailed engineering for offgas reactors, installation of a steam turbine, new tankfarm, laboratory upgrade	2010 Modernisation <i>ECM</i>	2015
Borealis Agrolinz Melamine GmbH <i>AmmoniumI+II, Urea, Urea Material&Utilities</i>	Linz Modernisation of the fertilizers- and basic chemicals production facilities consisting of Ammonium plants I+II, Urea plant, utilities and Urea storage facilities	Austria Authority engineering, detailed engineering, site supervision, procurement, commissioning, project management incl. HSE and BauKG	2010 Modernisation <i>EPCM</i>	2013
Ukrainian Refinery <i>Revamp of an Atmospheric and Vacuum Distillation Plant</i>	Revamp of an atmospheric and vacuum distillation ELOU-AWT-8 No.2	Ukraine Basic engineering, detailed engineering	2010 Engineering <i>E</i>	2012

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Büsscher & Hoffmann GmbH <i>Production Unit for Bituminous Waterproof Sheets</i>	Enns General Contractor for extension of an existing production unit for bituminous waterproof sheets by adding a second production line and debottlenecking the ancillary facilities	Austria General contractor, authority engineering, authority hearing, detailed engineering for ancillary facilities, media engineering supply, project management, technical procurement, construction supervision, completion notice to relevant authorities	2010 Modernisierung <i>EPC</i>	2011
Deutsche BP AG Erdölraffinerie Emsland <i>Prozess Control and Optimisation of seven Refinery Units</i>	Lingen Pre-projecting and detailed engineering for prozess control and optimisation of seven refinery units	Germany Detailed engineering, calculation	2010 Engineering <i>E</i>	2011
PCK Raffinerie GmbH <i>Modification and Optimisation of a Vacuum Distillation Unit</i>	Schwedt Preproject and extended basic engineering for the modification and optimisation of the Vacuum Distillation Unit VT3	Germany Preproject, extended basic engineering	2010 Engineering <i>E</i>	2011
OMV Petrom SA <i>Revamp of Loading- / Unloading stations</i>	Petrobraz Revamp of Loading- / Unloading stations	Romania FEED (Front End Engineering Design)	2010 Engineering <i>E</i>	2010
Sasol Wax GmbH <i>Replacement of a combined heat power generation</i>	Hamburg Cooling supply decentralisation by construction of a new combined heat power generation; specifications	Germany	2010 Engineering <i>E</i>	2010

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OMV AG <i>Revamp Crude Oil Distillation Plant 4</i>	Schwechat Revamp of a crude oil distillation plant; Modernization of the "Lower Circulating Pumparound" of the distillation plant inclusive process modifications	Austria EPCM contractor: detailed engineering, procurement, construction management, project management, commissioning support	2009 Modernisation <i>EPCM</i>	2010
PCK Raffinerie GmbH <i>Revamp Crude Oil Distillation Plant TOP1</i>	Schwedt Replacement of the main column for improvement of MD recovery and for production of a jet fuel component; replacement of column with a 1350t crane and assembly of column parts on site	Germany Detailed engineering, construction and installation supervision, procurement and expediting	2009 Modernisation <i>EPCM</i>	2010
PCK Raffinerie GmbH <i>Revamp Fluid Catalytic Cracking FCC Gas Concentration Unit</i>	Schwedt Revamp of the stripping column with further peripheral equipment to improve the propene recovery process	Germany Detailed engineering, procurement and expediting, construction and installation supervision, start-up assistance	2009 Modernisation <i>EPCM</i>	2010
AMI Agrolinz <i>Revamp Melamine 3 Plant</i>	Linz 160 Drawings for Revamp of Melamine 3 plant inclusive salt melting supply boiler and decomposer	Austria Detail engineering for salt melting piping from salt tanks and boiler to decomposer, including stress calculations and isometric drawings	2009 Engineering <i>E</i>	2009
ICL-IP Bitterfeld GmbH <i>Distillation Unit in the OPC Unit for Production of DCPD</i>	Bitterfeld-Wolfen Modification of the distillation unit in the OPC unit for the production of pure DCPD	Germany Pre-basic engineering	2009 Engineering <i>E</i>	2009

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Süd-Chemie AG <i>Copper/Zinc Catalyser plant</i>	Heufeld Modernization of a Copper/Zinc Catalyser plant	Germany Site evaluation, documentation, revision of schematic diagrams for new processes, equipment ordering, automation concept, upgrading of process measurement and control technology incl. control units, planning of new components, cost report	2009 Engineering <i>E</i>	2009
Tannpapier GmbH <i>Revamp Paper Processing Plant</i>	Traun Revamping production 3 "ALFA 7" of a paper & cardboard processing and printing plant	Austria Replacement of printing machine by ongoing production and integration into infrastructure, expansion and revamp of color preparation, adaption thermal oil system, optimization of the air extraction systems, modification of cooling tower plant	2009 Modernisation <i>EPCM</i>	2009
SHELL Deutschland Oil GmbH <i>Emission Reduction</i>	Heide Emission reduction project	Germany Basic engineering, detailed engineering, procurement, construction supervision	2008 Modernisation <i>EPCM</i>	2011
WABAG Water Services S.R.L <i>Wastewater Plant WABAG</i>	Ploiesti Revamp of a wastewater plant at the Petrobrazi Refinery to meet applicable national and European standards	Romania Detail engineering including project management, authority engineering and piping design	2008 Modernisation <i>E</i>	2009
DOMO Caproleuna GmbH <i>Revamp for Processgas-Compressor</i>	Leuna Revamp of a processgas-compressor	Germany Basic engineering, detail engineering, site supervision	2008 Modernisation <i>ECM</i>	2008

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ISC Fraunhofer-Institut für Silicatforschung <i>Polymerisation expansion</i>	Würzburg General Contractor for Polymerisation expansion	Germany General Contractor	2008	2008 Modernisation <i>EPC</i>
OMV Petrom SA <i>Revamp Condensate System</i>	Petrobraz Revamp of a condensate system to improve quality and quantity of the condensate and heat recovery	Romania Front End Engineering Design (FEED) inclusive investment cost estimation	2008	2008 Debottlenecking <i>E</i>
S.C. SYSCOM 18 S.R.L. <i>Revamp for a Vapour Return System</i>	Timisoara, Bacau Revamp of a vapour return system in Bacau and Timisoara according to European and Romanian environmental regulations; retrofitting of pressure equalization system and vapour recovery system	Romania Detail engineering and preparation of the documents needed to acquire certificates and approvals (authority engineering)	2008	2008 Modernisation <i>E</i>
Shell Deutschland Oil GmbH <i>Gasoil Desulphurization Plant</i>	Heide Revamp of a gasoil desulphurization plant "IGO ppm 50 S"	Germany Detailed engineering, procurement, construction supervision, site mangement, start-up assistance	2007	2009 Modernisation <i>EPCM</i>
Colas S.A. Boulogne-Billancourt <i>Revamp Bitumen Emulsion Storage Area</i>	Gratkorn Revamp of a Bitumen emulsion raw material and product storage with energy reduction of up to 80% due to savings in energy consumption and improvements in production process	Austria General engineering services including authority engineering, basic engineering, detail engineering, site supervision, commissioning	2007	2008 Modernisation <i>EPC</i>

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Jey Oil <i>Biturox® Jey Oil</i>	Isfahan Revamp of the incinerator section of an existing Biturox® plant	Iran License, basic engineering, detail engineering, purchase and supply of key equipment, commissioning and start-up	2007 Modernisation <i>EPCM</i>	2008
OMV AG <i>Revamp of Hydro-Desulphurization Plant HDS1</i>	Schwechat Revamp of hydrodesulphurization plant HDS1 in Schwechat for reduction of sulphur content to less than 10ppm and capacity increase from 1,000 t/d to 3,500 t/d	Austria EPCM-Contractor incl. Project management, detailed engineering, procurement, site supervision, commissioning	2007 Modernisation <i>EPCM</i>	2008
TOTAL Raffinerie Mitteldeutschland GmbH <i>Retrofitting of start-up steam generator</i>	Leuna Retrofitting of start-up steam generator	Germany General contractor	2007 Modernisation <i>EPC</i>	2008
Total Raffinerie Mitteldeutschland GmbH <i>High Pressure Steam Generator (THT)</i>	Leuna General Contrator for the replacement of the high pressure steam generator (THT)	Germany General management	2007 Modernisation <i>EPC</i>	2008
MOL <i>Revamp Bitumen Plant</i>	Százhalombatta Revamp Bitumen Plant in the MOL refinery in Szazhalombatta	Hungary Process engineering thermal oil heating system, basic Engineering	2007 Engineering <i>E</i>	2007

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OMV AG <i>Revamp of Natural Gas Processing Plant, Aderklaa I</i>	Aderklaa Revamp of natural gas processing plant Aderklaa I with capacity increase from 1.3m m ³ /day to 1.9m m ³ /day	Austria FEED (Front End Engineering Design) and EPCM (Engineering, Procurement, Construction Management) including authority engineering, civil engineering, detailed engineering, EMSR, expediting, commissioning support and documentation	2006 Modernisation <i>EPCM</i>	2008
Indian Oil Corporation Ltd., Mathura Refinery <i>Biturox® Mathura</i>	Mathura Revamp of an existing bitumen plant on basis of the Biturox® process for production of special road grade bitumen	India License, basic engineering, detailed engineering, supply of key equipment, site supervision, start-up, training and documentation	2006 Brown field <i>EPCM</i>	2007
OMV Deutschland GmbH <i>Debottlenecking of Refinery Gas Plant</i>	Burghausen Debottlenecking of refinery gas plant	Germany Detailed engineering, procurement, construction supervision, commissioning	2006 Debottlenecking <i>EPCM</i>	2007
PCK Raffinerie GmbH <i>Safety Program for Hydrofluoric Acid HF-Alkylation Plant</i>	Schwedt Revamp of existing HF alkylation plant	Germany Detailed engineering, procurement, site supervision, site management, start-up assistance	2006 Modernisation <i>EPCM</i>	2007
BP Erdöl-Raffinerie-Emsland <i>Middle Distillate Desulphurization & Dearomatization</i>	Lingen Modernization of a middle distillate desulphurization and dearomatization plant	Germany Authority engineering, basic engineering, detailed engineering	2005 Engineering <i>E</i>	2006

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Deutsche BP AG Erdölraffinerie Emsland <i>Modernisation of Desuphurisation Units and a Hydrotreating Unit</i>	Lingen Detailed Engineering for the modernisation of Desuphurisation Units DSU2+3 and the Hydrotreating Unit 3	Germany Detailed Engineering	2005 Engineering <i>E</i>	2006
Deutsche BP AG Erdölraffinerie Emsland <i>Engineering for Heat Recovery Unit</i>	Lingen Engineering for Heat Recovery Unit	Germany Basic engineering, authority engineering	2005 Engineering <i>E</i>	2006
OMV Deutschland GmbH <i>Revamp of Hydro-Desulphurozation-Plant HDS1</i>	Burghausen Revamp of HDS-1 Plant (desulfurization)	Germany Detailed engineering, procurement, site supervision, commissioning	2005 Modernisation <i>EPCM</i>	2006
RP Comopounding GmbH <i>Capacity Expansion for a Plastic Compounding Plant</i>	Schkopau Capacity expansion of a plastic compounding plant	Germany Detailed engineering, procurement, construction supervision	2005 Modernisation <i>EPCM</i>	2006
Grupa Lotos S.A. <i>Biturox® Lotos</i>	Gdansk Extension of an existing bitumen production by Biturox® process	Poland License, basic design for the process unit, detailed engineering, procurement and supply of key equipment, site supervision, start-up assistance, training and documentation	2004 Modernisation <i>EPCM</i>	2005

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PCK Raffinerie GmbH <i>Optimisation of a Lubeoil Production Unit</i>	Schwedt Optimisation of a Lubeoil Production Unit	Germany Basic engineering, detailed engineering, authority engineering, procurement, site and construction supervision, commissioning	2004 Modernisation <i>EPCM</i>	2005
TOTAL Raffinerie Mitteldeutschland GmbH <i>Column K 1001</i>	Leuna Modernization / Revamp of column K 1001	Germany Basic engineering, detailed engineering, procurement, construction supervision, commissioning	2004 Modernisation <i>EPCM</i>	2005
MOL Magyar olaj- és gázipari Rt. <i>Cooling Water Decrease and thermal Capacity Expansion</i>	Százhalombatta Decrease of cooling water demand, increase of cooling tower capacity; Cooling Water Decrease Phase II	Hungary Turn key delivery: basic engineering, detailed engineering, procurement and supply, site supervision and start-up	2003 Modernisation <i>EPC</i>	2005

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