

Year Month	Kunde, Projekt Customer, Project	Description & Details
1998 04	<b>Bethlehem Steel</b> Roughing Mill USA/Maryland	Design & engineering spindle support and hugger system for the roughing mill stand in Co-operation with VOITH Germany & BUMA engineering LINZ
1998 07	<b>Bethlehem Steel</b> Roughing Mill USA/Maryland	Mounting, Installation and start-up spindle support and hugger system for the roughing mill stand
1998 08	<b>VACE, VAI Linz</b>	Training & Instruction in maintenance for HADEED Personal in Rolling Mill equipment
1998 10	<b>LUKENS PLATE</b> Steckelmill Conshohocken USA, Phil.	Design & engineering spindle support and hugger system for the roughing mill stand in Co-operation with VOITH Germany & BUMA engineering
1998 11	<b>VAI Linz</b> CSN Brasilia	Consultation & Engineering for HSM modernization CSN-Volta Retonda Brasilia
1998 12	<b>VAI Linz</b> KTN Krefeld Düsseldorf	Consultation & Engineering for the down coiler of Stainless Mill
1998 02 - 1998 07	<b>voestalpine Linz</b> HSM, FM	Basic & detail engineering drive spindles and modernisation of main drives at HSM
1998 07 - 1998 08	<b>voestalpine Linz</b> HSM, FM	Basic & detail engineering strip inspection system located after mill stand N° 6 with tillable run out roller table segment
1998 02 - 1999 03	<b>voestalpine Linz</b> HSM, FM FM mill Stand 0	Basic and detail engineering work roll shifting system including modification of back up roll balancing system
1999 05	<b>VAI Linz &amp; BUMA engineering</b> Danish Steel Plate Mill	Study, Basic engineering for Danish Steel PLATE Mill, Side guides, Looper. Co-operation with BUMA
1999 06	<b>VAI Linz,</b> <b>ALU Ranshofen</b> Aluminium Cold Mill MC COCK USA	Consultation and technical inspection and Plannings for a ALU Mill - On site MC Cook USA
1999 06	<b>voestalpine Linz</b> 3/16" Scherenstraße	basic & detail engineering flatness Measuring system 3/16" Slitting line, entry section
1999 07	<b>VAI Linz</b> HSM SOLAC & DUNAFERR	HSM - modernisation program Consultation & Scheduling
1999 08	<b>VAI Linz</b> HSM WHEELING Pittsburg	HSM - modernisation program Consultation & Scheduling
1999 09	<b>VAI - Linz</b> HSM modernisation CSN Volta Retonda / Brasilia	HSM - modernisation program Consultation & Scheduling
1999 10	<b>LUKENS PLATE</b> Conshohocken USA, Phil.	Mounting, Installation and start-up spindle support and hugger system for the roughing mill stand

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1999 09	<b>VAI Linz</b> HSM modernization SIDER Annaba Algeria	Consultation & Sheduling technical basic engineering for the modernisation program on site, technical presentations for the HSM modernisation program.(on site)
1999 11	<b>voestalpine Linz</b> Blast Furnace A	Detail engineering, dismantling devices for the blast furnace - Gas turbine runners and housing
2000 01	<b>VAI - voestalpine Linz</b> CM program	Studies & basic engineering for the Compact Mill Projekt
2000 02	<b>voestalpine Linz</b> Blast furnaces 4-6	Basic & detail drawings - modifications on the dust discharge snails
2000 09	<b>VAI Linz</b> Salzgitter HSM modernisation	Basic engineering WR Bending & shifting sytem, Planning for revamping of Mill Housings
2001 04	<b>VAI Linz</b> EGYPTIAN IRON&STEEL	Study & Basic engineering for installation of a new Crop shear, FM entry section
2001 05	<b>VAI Linz</b> Böhler Trio, Duo	design checking, proposals and detail drawings for tiltable roller tables at Rolling mills
2001 05 - 2001 09	<b>VAI Linz</b> WR Bending systems	Invention, Detail engineering L-Type WR Bending System including test stands.
2002 01 - 2002 04	<b>VAI Linz</b> JISCO Steckel Mill	design checks and proposals for Assembly & Detail drawings for new FM Mill Stand equipment.
2002 05 - 2002 08	<b>voestalpine Linz</b> Finishing Mill	Basic & detail engineering for modernisation of main drive spindles at HSM (VOITH spindles)
2002 09	<b>VAI Linz</b> Plate Mill Dillingen/D	Consultation & Engineering for Plate Mill modernisation program
2002 11	<b>voestalpine Linz</b> Grobblech	Basic & detail drawings for new roller tables including roll cooling equipment - Mill Stand exit side
2002 04 - 2002 09	<b>voestalpine Linz</b> Grobblech Revamp & Modernisation	Basic & Detailengineering, Consultancy for automatic WR & BUR changing, Roll modifications, Roll Handling and transportation, changes at grinding machine, Consultancy, comissioning & start up support.
2002 04 - 2003 07	<b>VAI Linz, Pomini</b> Project SANDVIK Stainless Steel - Coiler & PR Unit	Down coiler & Pinch roll unit - Basic engineering and Detail engineering complete
2003 04	<b>VAI Linz</b> Shagang Plate Mill	Study, Basic designs for new Housings including 3D & FEM Analyses
2003 04	<b>voestalpine Linz</b> Grobblech	Proposals and detail drawing for new roller bases at the run-out roller table Nr. 1 - 4
2003 05 - 2003 12	<b>ALCOA</b> Rolling Mills Fusina - Italy	Maintenance consultancy in Rolling Mill, Checking conditions of Rolling Mills, Proposals for Problem solving, Action plan for improving the conditions of Rolling Mills, review preventive maintenance plans. (monthly 1 week)

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2004 01 - 2004 02	<b>ALCOA</b> Rolling Mills Fusina - Italy	Feasibility Study Increase Coil Size at: Cut to length line (Ungerer2000), Continuous furnace, and Slitting line (Comec), Calculation of Budget prices.
2003 - 2004	<b>voestalpine Linz</b> Hot Strip Mill Coil transport system	technical consultancy and planning for the installation of a new Coil Transferring system. Responsible for mechanical plannings and Installations. Ordermanagement and installation of Hydraulic Units. Analyses and studies for the transfer times of coils. Time sheduling and supervision works.
2003 07	<b>VAI Linz, Pomini</b> Project SANDVIK Stainless Steel - Coiler & PR Unit	Functional- and Maintenance manuals for the Pinch Roll unit & Down Coiler
2003 09 - 2003 10	<b>voestalpine Linz</b> Grobblech	Feasibility Study and 3D designs for a new stapler for haevy steel plates. Calculations for Budget
2003 10 - 2003 12	<b>voestalpine Linz</b> Project push pickling line	Study and 3D designs for installation of a bush pickling line, in existing production halls.
2004 01	<b>voestalpine Linz</b> Hochofen A - SSK	Basic and detailengineering for changing the quick shut off valve from mechanical to hydraulic driven system
2004 02	<b>VAI Linz</b> HSM Novolipetsk RUS	Studies, pre- projects and consultancy for finishing mill modernisation and upgrade program, Novolipetzki (RUS)
2004 02 - 2004 06	<b>voestalpine Linz</b> BBS modernisierung	Layouts and proposals for: Pulpits and ergonomic workplaces Optimisation and studies for transport of Work- & Back Up Rolls with transfer cars. Engineering of safety fences and doors at down coiler and Coil transfer area.
2004 03 - 2004 05	<b>ALCOA</b> Rolling Mills Fusina - Italy	Basic and Detail engineering for modernisation of the flatness measuring roll; with flapable carry over table and integrated cleaning unit. Changes at pinch roll unit to hydraulic movement incl. Piping.
2004 03 - 2004 04	<b>voestalpine Linz</b> Coil Transfer system	Basic and detail drawings of stairway and walkways to hydraulic- electric rooms
2004 06	<b>ALCOA</b> Rolling Mills Fusina - Italy	Basic and detaildrawings for a protection unit for the X-Ray gauge at IBK Mill
2004 06 - 2004 12	<b>voestalpine Linz</b> BBS modernisierung	Designing new stairways and walkways to Ilgner Room and for the Machine room at Finishing Mill. Basic and Detail drawings - modernisation of the Housing for measuring units after the finishing mill. Support during installation and mounting.
2004 10 - 2004 12	<b>voestalpine Linz</b> FMA Scrap disposal	Redesigning and optimisation of scrap disposal boxes, changes at foundations and supports

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2005 03 - 2005 08	<b>ALCOA Europe</b> Modernisation Program Flat Rolling Mills Szekesfehervar / HU	Modernisation of Sideguides entry and exit side of Hot Mill. New Baseframes for side guides designed for higher loads at guiding system, with special edging roll for edging functions
2005 03 - 2007 12	<b>ALCOA Europe</b> Modernisation Program Flat Rolling Mills Szekesfehervar / HU	Consultancy, Studies & basic designs for improvements and changes at Rolling Mills. Several stays on site. Support and proposals for changes and activities during mill shut downs. Supervision during mounting of the new side guides.
2005 07 - 2007 07	<b>SiemensVAI</b> Mittal Steel HSM Poland	designing of a new bending unit; engineering of roll switching
2005 12 - 2006 10	<b>ALCOA Europe</b> Modernisation Program Flat Rolling Mills Szekesfehervar / HU	On site measurements at CM N°3 for installation of a new thickness gauge. Basic and detail engineering for the new IMS X-Ray thickness gauge - movable for maintenance into the machine room.
2006 01 - 2006 05	<b>SiemensVAI</b> Severstal HM Staucher Tscherepovets / RUS	Basic design for changing the mechanical screw down to hydraulic actuated system. Invention of a special cylinder and clamping system for roll gap adjustment an edging functions. Several visits, meetings and discussions on site
2006 02 - 2006 09	<b>voestalpine Linz</b> Versuchsanstalt Schmelzofen	Recording and preparation of drawings of the actual state, Basic and Layout planning for the new Experimental furnace for steel.
2006 02 - 2006 04	<b>SiemensVAI Linz</b> Arvedi / IT ESP Anlage	Basic concept, layout planning and creations for the mill stands, mill drives and roll changing
2006 02 - 2006 04	<b>voestalpine Linz</b> HSM Ofenbereich Einlege- Austragesteuerstand	3D planning and engineering for ergonomically control panels, operator panels
2006 03	<b>SiemensVAI Linz</b> High Speed Drum shear	3D Planning and simulations for a high speed drum shear
2006 04	<b>SiemensVAI Linz</b> MMK HSM 2500, 2000 Magnitogorsk / RUS	Basic design, new mill stands and roll changing concepts, Planning for the modernisation and changing of mill stands at finishing mill.
2006 05 - 2006 07	<b>ALCOA Europe</b> Modernisation Program Flat Rolling Mills Szekesfehervar / HU	Basic design and calculations for new Cylinders at side guides. Calculations for base frames and Mandrel Support for the Coiler at mill entry side
2006 06 - 2006 07	<b>SiemensVAI Linz</b> HSM Zaporozhstal Ukraine	Basic design for new drives and mill stands WR bending&shifting system
2006 06 - 2006 12	<b>voestalpine Linz</b> Kompaktschere Slitting Line	Layout planning for relocation of the machine, Changes for transportation of plates Calculations for budget

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2006 06 - 2008 12	<b>voestalpine</b> Linz Breitbandstraße Vorstreifenkühlung	Planning and Management activities for a fast cooling unit for slabs and strips between roughing mill and finishing mill
2006 06 - 2006 09	<b>voestalpine</b> Linz Einhausung Bundabtransport	Basic & detail design - lifting mechanism of the roof at coil transfer building
2007 10 - 2007 12	<b>SiemensVAI</b> Linz Qingdao HSM / China	Basic design for new workroll bending&shifting units at FM
2006 10 - 2008 02	<b>SiemensVAI</b> Linz Plansee Walzanlage Blechabtransport	Basic and Detail engineering of roller tables, side guides, centering unit, transportsystem and lifting table for plates
2007 06 - 2008 09	<b>SiemensVAI</b> Linz Plansee Walzanlage Schrotzthacker	Basic and Detail engineering of scrap chopper and scrap disposal system.
2007 09 - 2008 01	<b>voestalpine Anarbeitung</b> FZZ Standortverlegung	Layout and basic planning for optimum positioning of machines and production lines in new Buildings
2007 09 - 2008 08	<b>voestalpine</b> Linz Stahlwerk Krane K424, K455, K457, K461	Basic and detail engineering including on site measurements for new crane operator cabines, stairways railings and walkways for the crane revamping program.
2007 10 - 2007 11	<b>SiemensVAI</b> Severstal HM Staucher Tscherepovets / RUS	Basic and detail drawings for new saeling systems for the rolling mill AGC cylinder system
2007 12 - 2008 02	<b>voestalpine</b> Linz Versuchsanstalt Schmelzofen	Basic planning, detail drawings and bill of materials for a new Manipulator for moulds. Schematic drawings for pneumatic. Creating the documentations for requests.
2008 01 - 2008 12	<b>voestalpine Anarbeitung</b> FZZ Standortverlegung	Layouts and detail planning for the machines and production lines, over head cranes, handling equipments. Detail planning of foundations and foundation load plans
2008 02 - 2008 04	<b>SiemensVAI</b> Severstal RUS Power Coiler Vorprojekt	Technical support and plannings for the installation of new power coilers at Rolling Mill 2500mm. Meetings, presentations and discussion on site with the customer.
2008 02 - 2008 11	<b>SiemensVAI</b> Severstal HM Staucher Tscherepovets / RUS	Basic and detail design for the new hydraulically edging system at edger N° 1 Project support, Meetings, Presentations and discussions with the customer.
2008 03 - 2008 05	<b>SiemensVAI</b> Mittelbandstraße Hösch / D	Studies and basic designs for increasing of plate thickness at Rolling mills. Basic design for side guides, and mill interstand equipment at finishing line.
2008 04 - 2008 09	<b>voestalpine</b> Linz Stahlwerk Kran K455	Basic and detail engineering for the new crane operator cabine, new stairways, railings and walkways for the crane revamping program at crane N° 455

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2008 04 - 2008 09	<b>voestalpine Anarbeitung</b> Schneidetisch Laserbrennanlage	Basic design for a new table with quick change system at plasma flame cutting machine
2008 06 - 2008 07	<b>SiemensVAI Linz</b> Plansee Walzanlage Blechabtransport	Creating operation and maintenance manuals for the plate transportation system and the scrap chooper incl. Scrap disposal system
2008 09 - 2008 10	<b>ALCOA Europe</b> Modernisation Program Flat Rolling Mills Szekesfehervar / HU	Studies and basic planning for new side guides with edging function at hot mill entry & exit side
2008 10	<b>AURO Technik</b> voestalpine Stahl Wasserturm	Detailengineering Steel Structure - Hall with roof at water tower
2008 12	<b>voestalpine Anarbeitung</b> Schneidetisch Laserbrennanlage	Detail planning Steel structure and stairways at laser flame cutting machines
2008 09 - 2009 12	<b>SiemensVAI Linz</b> Arcelor Mittal Bremen Schere, Banddickenerhöhung	Basic concept and planning for a new crop shear- excenter type. Studies for increasing strip thickness at finishing mill, calculations and planning of new descaling unit- side guides- looper system.
2009 01	<b>voestalpine Linz</b> Treppenaufgang	Detail engineering stairways-handrail
2009 01 - 2009 03	<b>MCE Linz</b> Limberg2, Song Lou Lou, Nordex Hydropowerplants	3D plannings of installation utilities for pipes at hydropower plants.
2009 03 - 2009 04	<b>UNIHA Water Technologie</b> Nisco - Hosco Seawaterdesalination	Layout and basic planning for a Seawater Desalination Plant, Planning for interconnecting Piping and Platforms for maintenance
2009 06 - 2009 07	<b>MCE Linz</b> Daimler - Windkanal Wind tunnel	Detail- and Arrangementdrawings for a flexible inlet port at Wind tunnel - job at MCE office Linz
2009 04 - 2009 12	<b>HABICH GmbH</b> BiVa Produktions Anlage Vacuum trying plant	Layouts and detail planning for the vacuum trying and packaging plant. Detail drawings for the steel structure and pipings for heat transfer oil and process water including schematic drawings
2009 11 - 2009 12	<b>voestalpine Anarbeitung</b> Plasmabrennschneidanlage Schneidetisch - cutting table	Basic and Detail engineering for a new supporting table at plasma-flame-cutting machine - with quick change system for the supporting plates
2009 11 - 2009 12	<b>UNIHA Water Technologie</b> NASR - Seawaterdesalination	Layout and Detail planning of piping for the Seawater Desalination Plant, 3D visualisatin & pictures
2009 12	<b>ZAUNER Group</b> RHKW Linz Los3 - Abdampfkanal connection channel	Basic planning for the connection channel from steam turbine to steam condenser - 3D FE Analyses of the mechanical components under vacuum
2010 04 - 2010 05	<b>HABICH GmbH</b> BiVa Produktions Anlage Einplaungen Sichtermühle	Layouts and for the installation of the classifier and packaging plant, various pipings and overall drawings, foundation load plans

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2010 05 - 2011 05	<b>UNIHA Water Technologie</b> Diverse Anlagen Seawaterdesalination	Layout and basic planning for a Seawater Desalination Plants, Planning for interconnecting Piping and Platforms for maintenance
2010 06 - 2011 12	<b>HABICH GmbH</b> BiVa Production Plant	Basic and schematic drawings. Piping drawings, Detail drawings for Stairs, platforms and container situations for the new BiVA Plant
2010 06 - 2010 07	<b>SiemensVAI</b> TKSE Bochum Mod. Finishing Mill	Basic design and drafts for Modernization of the mill stands F1 and F2, WR-bending, shifting systems, drive spindle holders, WR change system
2010 07 - 2010 08	<b>SiemensVAI</b> Hadeed Roughing Mill Technischer Support	Technical support on site, drafts and proposals for imorovments at roughing mill, Roller tables, main drive spindles, descaling system, screw down for the edger, slab depiling unnit.
2010 07 - 2010 08	<b>SiemensVAI</b> Bokaro Roughing Mill Basic design	Drafts and Basic design for new main drive motors and drive shafts, twin drive type
2010 09 - 2011 01	<b>SiemensVAI</b> TKSE Beeckerwerth Powercoolingsystem ROT	Basic and detail drawings of the first "intensive strip cooling" system in hot strip mill, cooling pipes, steel structure, control valves, roller table adaptation, installation planning, supervision and commissioning
2010 09 - 2011 01	<b>SiemensVAI</b> TKSE Beeckerwerth Gerüstbereichkühlung	Basic and detail engineering for intensive cooling bars for the strip at finishing mill stands F5, F6. Planning for installation, supervision and commissioning
2010 11 - 2011 04	<b>SiemensVAI</b> Plansee Quinto 1 - Rolling Mill Strip Extension	Basic and detail engineering for wider stripes at the Quinto Mill. New WR bending systems. With extension of Back up Rolls. Modification of the work roll chocks
2010 08 - 2011 01	<b>SiemensVAI</b> Hösch MIBA Modernization Finishing Mill Study, Pre- Project	Pre Project and study for modernisation of the finishing stands 11-19, Back up Roll and Work Roll change system, Hydraulik gage controll system, interstand equipment. Calculations of investment costs
2011 01 - 2011 03	<b>SiemensVAI</b> WISCO Power-Intensive Cooling Pre-Project	Pre Project and studies for the intensive strip cooling system at the hot strip mill, cooling haeders, steel structure, control valves, modification of the run out roller table. Top cooling system lift- and tiltable. Calculations for investment budget.
2011 04 - 2012 06	<b>SiemensVAI</b> TKSE Beeckerwerth WBW2 Modernization Finishing Mill	Basic and Detail engineering for installation of new hydraulic controlled loopers at mill finishing mill stand F1-F6. New whiper system and Roll gap lubrication F2 - F4
2011 09 - 2013 08	<b>SiemensVAI</b> TKSE Bruckhausen Modernization Finishing Mill Interstand Equipment	Basic and detail engineering for new interstand equipments at finishing mill F0-F7. Side Guides, work roll cooling system, roll gap lubrication, Piping, plannings for installation, Supervision and commissioning.
2011 09 - 2013 07	<b>SiemensVAI</b> TKSE Bruckhausen WBW1 Powercooling System ROT	Basic and detail engineering for the "intensive strip cooling system" at the hot strip mill, cooling lines, cooling headers, steel structure, control valves, roller table adaptation, planning for installation and maintenance.
2011 10 - 2011 11	<b>SiemensVAI</b> ALU NORF WW1 FM Study additional Mill Stand	Study and draft engineering for installation of an aditional finishing Mill stand in front of the existing finishing line.
2011 12 - 2012 03	<b>SiemensVAI</b> Plansee Quinto 1 Rolling Mill Study installation HAGC	Study and draft engineering for installation a hydraulic gage controll system, Changes for the balancing systems for work rolls and back up rolls

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2012 09 - 2012 12	<b>Siemens AG Österreich</b> EINSAL Pre Project modernization Maindrives	Basic concept and drafts for modernization GFM Rolling mill. Exchange of Hydraulic drives to Electric drive motors.
2012 11 - 2013 04	<b>SiemensVAI</b> TKSE Bruckhausen WBW1 Piping for Power cooling I-ROT	Basic and Detail engineering for Piping at the Power Cooling System - Intermediate Roller table. Hydraulics, Water supply, Pneumatic, Cross sprays & Piping for the pump station
2013 02 - 2013 09	<b>Voestalpine Linz</b> Blast furnace A Cowper System	Basic and Detail engineering stairs and platforms at Cowper for blast furnace A, special tool for lifting and handling of Hot blast valves Dia. 1400mm.
2013 02 - 2013 09	<b>Voestalpine Linz</b> Blast furnace A Belt conveyor to blast furnace special tools	Basic and Detail engineering for the belt conveyor to Blastfurnace A. Safety fences, platforms and special tools for belt conveyor repair and handling of the conveyor belt.
2013 04 - 2013 07	<b>Voestalpine Linz</b> Beize 1 Studie installation Seitenstanze	Study and basic design for installation of a side stamping and cutting machine at pickling line entry section. Technical Calculations and calculations of the investment budget.
2013 04 - 2013 07	<b>Siemens AG Österreich</b> Böhler HV-Staffel Modernization main drives	Basic and detail design for installation of new electric main drive motors at rolling mill. Installation of new Base plates. Safety couplings between motor and gears
2013 07 - 2013 10	<b>TIP TIG Plasch</b> Special tools for TIG welding systems	Arrangement- & Detaildrawings, BOMs for special tools and equipment for TIG welding systems. Parametric design for rotating tables, toolholders, racks.
2013 08 - 2014 08	<b>Siemens AG Österreich</b> EINSAL Project modernization Maindrives	Arrangement- & Detaildrawings, BOMs for modernization GFM Rolling mill. Exchange of Hydraulic drives to Electric drive motors.
2013 09 - 2013 11	<b>SiemensVAI</b> WISCO Power cooling - intensive cooling system ROT	Detail engineering & layout planning for complete Powercooling system at ROT. Lift and tiltable top cooling headers, Steel structure, Pipingssystem, mod. of rollertable
2014 03 - 2014 04	<b>Voestalpine Linz</b> Blast furnace A Schrägaufzugsförderkübel / inclined conveyor bucket	Basic and Detail engineering including improvements for the inclined conveyor bucket
2014 03 - 2014 09	<b>TIP TIG Plasch</b> Specialvorrichtungen für / Special tools for TIG welding systems	Concepts of welding cabins / centers and arrangement- & detaildrawings, BOMs for special tools and equipment for TIG welding systems. Parametric design for rotating tables, toolholders, racks.
2014 04 - 2015 08	<b>Voestalpine Linz</b> HOA Gichtbandwechsel	Drawing of the conveyor belt coiler, concept for the conveyor belt change
2014 05 - 2014 09	<b>SiemensVAI</b> TKSE Beeckerwerth Intensivkühlung / Powercoolingsystem ROT	Basic and detail drawings of the extension "intensive strip cooling" system in hot strip mill, cooling pipes, steel structure, control valves, roller table adaptation, installation planning, supervision and commissioning
2014 07 - 2014 07	<b>HEXCEL</b> Bühnen / platforms	Arrangement- & detaildrawings inclusive BOMs
2014 07 -	<b>Siemens AG Österreich</b> Vorprojekt AMAG Modernization main drives	Modernization of drives for the mill and the coiler at Quattro hot rolling mill.
2014 07 -	<b>Primetals</b> Vorprojekt Böhler FLB - Modernisierung Antriebe	Modernization of drives for the rolling mill
2015 04 - 2014 09	<b>ZAUNER Group</b> RHKW Linz Los3 Drosselplatte / throttle plate	Drawing, 3D FE analysis of the modified throttle plate in the connection channel to the turbine.
2015 04 - 2015 08	<b>Primetals</b> Rohrwalzwerk Kindberg Motorkonsole	Design of a new motor brackets for Drives
2015 05 - 2015 06	<b>Voestalpine Linz</b> HO 5-6 Koksunker Schiebersicherung	Drawing, 3D FE analysis



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2015 09 - 2015 10	<b>Voestalpine Linz</b> Granulierung LD3 Rührwerksschaufeln und Wellenabdichtung	Drawing, 3D FE analysis; Redesign and Rearrangement of the paddles to reduce vibrations and resonances, new design of the shaft seal - split version
2015 11 - 2015 12	<b>Voestalpine Linz</b> LD3 Schlackenabstreifvorrichtung	Drawing, 3D FE analysis; new design with hydraulic scrapers
2015 12 -	<b>Primetals</b> AMAG Rolling Warm Quarto	On Site Services during installation of the new Main drives at Aluminium Hot Rolling Mill
2016 01 - 2016 03	<b>Voestalpine Linz</b> HO Staubaustrag - Plattenschieber	Drawing, 3D FE analysis; new design of the parallel slide gate valve and mounting devices
2016 02 -	<b>Voestalpine Linz</b> Möllerung - Wartungsbühne	Drawing; maintenance platform
2016 03 -	<b>Voestalpine Linz</b> Möllerung - Siebrost	concept development, Drawings; reconstruction with changeable wear parts
2016 04 - 2016 09	<b>Primetals</b> AMAG Rolling Kalt Quarto	Basic and detail engineering new main drives and coiler drives at aluminium cold mill including couplings & brakes
2016 05	<b>Voestalpine Linz</b> Winderhitzer HW Kompensator Aufheizstand	3D as built documentation and drawings
2016 07 - 2016 08	<b>Voestalpine Linz</b> HO 5-6 Transportvorrichtungen	Basic and detail engineering for transportation and handling of sev. Heavy equipments ...
2016 09	<b>Voestalpine Linz</b> HOA Möllerung Wiegebunker	3D as built documentation and drawings
2016 09 - 2017 02	<b>Voestalpine Linz</b> HOA Begichtungsband	3D as built documentation und design of safety fences for the conveyer
2016 12 - 2017 04	<b>Primetals</b> Hesteel Serbia Roughing Mill	Conceptual design for revamp of the existing roughing mill stand and its foundation. Basics for special lifting and handling devices.
2016 12 - 2017 01	<b>Primetals</b> AMAG Rolling Kalt Quarto	On Site Services during installation of the new Main drives at Aluminium Cold Rolling Mill
2016 11 - 2017 03	<b>Primetals - Böhler Edelstahl</b> Flachblock - Modernisierung Antriebe	Basic & Detailengineering for the Flat Rolling Block, roller tables and screw down system. Installation of electric drives instead of the existing hydraulic drives.
2017 02 - 2017 03	<b>Primetals</b> Ilyich Ukraine Roughing Mill Area	Pre- Project, planning and calculations for modernization of the roughing mill area. New RM drives and roller tables
2017 04 - 2015 06	<b>Voestalpine Linz</b> LD3 Entstaubungsanlagen	Study, basic design and calculation of piping system for modernization optimization of dedusting systems
2017 07 - 2017 08	<b>Primetals - Böhler Edelstahl</b> Flachblock - Modernisierung Antriebe	On Site Services during installation of the new main drives, roller table and screw down drives at flat hot rolling block
2017 09	<b>Voestalpine Linz</b> Stahlwerk Pfannenofen	Equipment for aligning the electrodes

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2017 10 - 2017 12	<b>Primetals - Metinvest</b> R1 Invest	Roughing mill window investigation
2017 11 - 2018 04	<b>Primetals</b> Bandkühlung Versuchsstand	Stripcooling test stand
2017 11 - 2017 12	<b>Voestalpine Linz</b> Stahlwerk Pfannenofen	Sideguides for better alignment and stability of the electrodes
2017 11 - 2018 01	<b>Voestalpine Linz</b> Stahlwerk LD3 Tiegel	crucible cover for maintenance over the crucible, with temperatures inside of 500°C
2018 02	<b>Primetals - Nippon Steel</b> Staucher	concept of a R1 attached edger at entry side of mill stand
2018 03 - 2018 11	<b>Voestalpine Linz</b> KWW3 Banderwärmung Bandlauf	Basic & Detailengineering of a band reheating and additional equipment such as drivers, welding tables, belt clamps, roller table and deflector rollers
2018 03	<b>Voestalpine Linz</b> LD3 RH2 DG Schleuse	Cone seal with bayonet lock for quick maintenance and replacement
2018 05	<b>Voestalpine Linz</b> LD3 Tiegel Kaminschieberabdeckung	divisible cover
2018 05 - 2019 02	<b>Primetals - TKSE WBW2</b> Seitenführung und Entzunderung F1	Investigation and planning of a side guide and rotational descaling
2018 10	<b>Primetals</b> WRL Düse Neuausführung	New version of the nozzles for roll gap lubrication
2019 01 - 2019 03	<b>Primetals - TKSE WBW2</b>	Investigation and planning of a side guide and covering of the roll gap lubrication for simultaneous operation with descaling