



Reference List









www.gemco.nl
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**Consultants,
Engineers & Contractors**








Reference List



| Year | Country | Client | Components | Metal | Project Description |
|------|--|----------------------|-------------------------|------------|--|
| 2008 | Germany  | Buderus, Breidenbach | Brake Parts | Grey Iron | Conceptstudy Production Truck Brake Discs Buderus Gießerei Breidenbach |
| 2008 | Germany  | Arcadia | Core Shooting Equipment | divers | Commercial Due Diligence Laempe & Mössner GmbH |
| 2008 | Poland  | EBCC | Brake Parts | Al | Implementation of Audit Improvements Results at EBCC Poland S.A., Wroclaw / Poland |
| 2008 | Poland  | Nemak Bielsko Biala | Engine Blocks | Al | Investigation of a Master Plan |
| 2008 | Mexico  | Nemak | Engine Blocks | Al | Strategic Partner Search for Nemak in India |
| 2008 | Ukraine  | KZGO | Divers | Iron/Steel | KZGO in Krivoj Rog, Ukraine Consultation Services for Strategic Development |
| 2008 | Germany  | Knorr-Bremse | Brake Parts | Al | Al-HPDC Commercial Vehicle Brake Components Casting Supply Survey CEE |
| 2008 | Germany  | Knorr-Bremse | Brake Parts | Steel | Steel Cast Brake Comp. Supply Survey, North and South America |

| Year | Country | Client | Components | Metal | Project Description |
|------|--|----------------------|---------------------|------------------------|--|
| 2008 | Germany  | Behringer GmbH | Machinery | Grey Iron/Ductile Iron | Turnkey project, Supply and Realization of equipment for functioning (Greenfield) foundry for 5.000 tons |
| 2008 | USA  | Not disclosed | Automotive | Grey Iron/Ductile Iron | Investment estimate for a greenfield foundry in Middle Europe |
| 2008 | Hungary/Germany  | Busch-Raba Kft. | Truck Agriculture | Grey Iron/Ductile Iron | Turnkey project delivery, installation and commissioning of 120 tons/hr sandplant |
| 2008 | Mexico  | Xignux | Automotive | Fe | Consultancy Project Sale of Tisamatic Internacional S. de R.L. de C.V. |
| 2008 | Germany  | Behringer GmbH | Machinery | Grey Iron/Ductile Iron | Concept Engineering for Greenfield foundry for 5.000 tons |
| 2008 | Hungary/Germany  | Busch-Raba Kft. | Truck Agriculture | Ductile Iron | Realisation of modernization of a foundry for 20.000 tons |
| 2008 | Sweden  | Volvo Motor Corp. | Truck | Grey Iron | Concept Engineering for Greenfield Foundry for supplying Volvo truck cooperation |
| 2008 | Spain  | United Cast Bar Ltd. | Hydraulic Equipment | Grey Iron/Ductile Iron | Classified |
| 2008 | Germany  | M. Busch GmbH | Truck | Grey Iron | Concept Engineering for new charge and melt plant |
| 2008 | India  | India Value Fund | Foundry Equipment | - | Commercial Due Diligence Project DISA Industries A/S (Market and Competitors) |
| 2008 | The Netherlands  | Brabant Alucast | Automotive | Al | Consultancy – Service |

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|------|--|--|-------------------|---------|--|
| 2008 | Spain  | JL French | Automotive | Al | Foundry Site Location Search Al - HPDC Foundry East Europe |
| 2008 | India  | DCM | Engine Blocks | Fe | Audit of Foundry Operations SWOT Analysis |
| 2008 | France  | Manoir | Railways | Steel | Audit of Foundry Operations at Manoir, Outreau |
| 2008 | Germany  | Nemak | Cylinder heads | Al | Cost analysis of a VW-Cylinder head |
| 2008 | Germany  | WMK Lincoln | Casting Machining | Al / Fe | Commercial Due Diligence WMK Wagner Maschinenbau Group |
| 2008 | Taiwan  | WKMF | Automotive | Fe | Quality Improvement of Iron Castings for Continental VDO produced by WKM |
| 2008 | Germany  | Eisenwerk Würth | Shot grinds | Fe | Concept Study new foundry |
| 2008 | India  | Hindustan Engineering & Industries Ltd. (HEI) | Railway | Steel | Concept Study Steel Casting Foundry |
| 2008 | Poland  | ACE Luxemburg / EBCC | Brake Callipers | Al | Audit of Foundry Operations at EBCC Poland S.A. |
| 2008 | Germany / China   | TRW | Brake disks | Fe | Short Technical Foundry Assessment at Hebei Xianghe Zichen Casting Corporation (LangFang, Hebei, China) |
| 2008 | Germany  | Sakthi Neunkirchen | Automotive | Fe | Investigation of Casting Capacity Investment in Europe and Asia |

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| 2008 | USA  | TRW Warrenton | Brakedisks | Iron | Operational Assessment |
| 2008 | Austria  | Ventana | Aerospace | Al/MG | Technical Due Diligence at Honsel-Messier, France |
| 2008 | Slovakia  | Nemak Ziar | Cylinder heads | Al | Operational Improvement on the shop floor |
| 2008 | Spain  | UCB | Continuous Casting | Fe | Foundry Site Location Search |
| 2008 | Sweden  | Capman | Automotive | Al | Technical Audit at Ljunghäll |
| 2008 | Canada  | VAE Nortrak Ltd. | Locomotive | High Manganese Steel | Concept Engineering for Greenfield Foundry for 10.000 tons in Detroit Region |
| 2008 | Russia  | ZAO Zlatoustovskiy Litejny Zovad | Energy | Grey Iron/Ductile Iron | Delivery of vibrating moulding machine |
| 2008 | Germany  | Conti-VDO | Automotive | Al / Fe | Process Support on Casting Production at Supplier Foundries |
| 2008 | Italy  | Alupress | Automotive | Al | Strategic Partnersearch in USA |
| 2008 | Russia  | Knorr-Bremse KAMAZ | Automotive Brakeparts | Fe | Audit of Foundry Operations of OAO "KAMAZ-Metalurgiya", Tatarstan - Russia |
| 2007 | Hungary  | Busch-Raba | Automotive Brakeparts | Fe | RFQ for the realisation of the installation of the new moulding line and (still to be specified) equipment for the new Busch/Raba JV in Győr Hungary. |

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| 2007 | Germany  | WestLB-Galfa | Automotive | Fe | Commercial Due Diligence - Galfa Industriegalvanik GmbH Stufe 1: Kurzanalyse Markt- und Wachstumschancen („red flag analysis“) |
| 2007 + 2008 | Germany  | ACO Guss | Drainage Casting | Fe | Marketing Initiative ACO Guss S.p.A. (Mozzanica, Italy) |
| 2007 | Germany  | Sakthi Neunkirchen | Brakeparts | Fe | Implementation and realisation of the strategic project results |
| 2007 | Sweden  | Arvika (Sakthi) | Automotive | Fe | Commercial/Technical Due Diligence Project on Arvika Gjuteri AB |
| 2007 | Germany  | Sakthi Ueckermünde | Automotive | Fe | Concept-Engineering for a new vertical moulding line |
| 2007 | Portugal  | Sakthi | Automotive | Fe | Project Audit of Operations Plant Porto |
| 2007 | Romania  | Armatura | Valves | Fe | Audit of Foundry Operations |
| 2007 | Germany  | SHW | Brakediscs | Fe | Contact Advise on Mikoda in Kutno, Poland and SHW Automotive for Cooperation in brake disc-business |
| 2007 + 2008 | Germany  | Knorr-Bremse | Truck Brakeparts | Fe | Commercial Vehicle Air Disk Brake Components Casting Supply Survey East Europe |
| 2007 | Poland  | Innova Capital | Energy Castings | Fe / Al | Search for foundries to be acquired by United Foundries. |
| 2007 | India  | Mahindra Casting Ltd. | Automotive Truck | Grey Iron | Concept Engineering for Greenfield Foundry for 75.000 tons in Pune |

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| 2007 | Germany  | Metal Technologies Kitzingen GmbH | Automotive Truck | Grey Iron/Ductile Iron | Concept Engineering for design of Foundry for 120.000 tons in Kitzingen |
| 2007 | Germany  | E. Hawle Armaturenwerk GmbH | Water Oil and Gas | Grey Iron/Ductile Iron | Concept Engineering for Greenfield Foundry for 12.000 tons in Russia |
| 2007 | Pakistan  | Cast Metal and Foundry Technology Centre | Education & Research | Various | Concept for new development center in Daska for Pakistan foundry-industry |
| 2007 | Sweden  | Volvo Motor Corp. | Truck | Grey Iron | Concept Engineering for the Modernization of existing cupola in Foundry in Skövde |
| 2007 | Spain/France  | JEZ Sistemas | Locomotive | High Manganese Steel | Turnkey project new foundry in France for 10.000 tons for supplying Voest Alpine Europe |
| 2007 | China/Switzerland  | Georg Fischer Co. | Automotive Truck | Ductile Iron/Grey Iron | Concept Engineering, Engineering & Project Management for new Foundry in Kunshan, China for 35.000 tons for supplying Chinese market |
| 2007 | The Netherlands  | Eurotech B.V. | Medical Textile | Aluminium/Magnesium | Concept Engineering for new Solution for automatic cooling, cleaning and grinding to reduce costs |
| 2007 | Spain/France  | JEZ Sistemas | Locomotive | High Manganese Steel | Concept Engineering for Greenfield foundry for 10.000 tons for supplying Voest Alpine Europe |
| 2007 | Belgium  | Omco Metals | Glas | Steel | Standard Foundry Design to Apply in various foundry worldwide |
| 2007 | India  | Mahindra Hinoday | Automotive | Fe | Audit of Foundry Operations SWOT Analysis |
| 2007 | Austria  | Hawle | Pump & Valves | Fe | Concept Engineering for a new foundry in Russia for valve and pump castings |

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| 2007 | Mexico  | Xignux / Tisamatic | Automotive | Fe | Consultancy Project Investigation on the Sale of Tisamatic International S. de R.L. de C.V. |
| 2007 2008 | Mexico  | NovoCast | Automotive | Fe | Implementation of Improvement Program Evaluated during Business Plan Assessment – NovoCast / Nuevo Leon, Mexico Business Plan Assessment – NovoCast / Nuevo Leon, Mexico |
| 2007 | Germany  | Capiton / P-D | Refractories | - | Due Diligence Preiss-Daimler |
| 2007 | Germany  | Nordwind | Automotive | Fe | Commercial/Technical Due Diligence Project InternetEurope GmbH & Co. KG "Titanum" |
| 2007 | Spain  | Fuchosa | Automotive | Fe | Due Diligence Project Feramo Metallum in Czech Republic |
| 2007 | South Africa  | Murray&Robberts | Engineblocks | Fe | Process and Product Improvements for Engine Blocks in Autocast Brits Foundry |
| 2007 | Germany  | Lincoln / WMK | Automotive | Fe / Al | Assessment on Casting-Machining Operations |
| 2007 | Germany  | Nemak Dillingen | Engine Blocks | Al | Shop Floor Engineering in plant 1 |
| 2007 | Spain  | Amaya Telleria | Automotive | Al | Operational Improvement on Delphi – Parts |
| 2007 + 2008 | Germany  | Nemak Wernigerode | Cylinder heads | Al | Operational Improvement Support and Quality System Implementation |
| 2007 | Czech Republic  | KSM | Automotive | Al | Concept-Study on tooling concept or an Al HPDC-casting |

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| 2007 | Poland  | ZM Rzeszow | Automotive | Al / Fe | Operational Improvements in Al- and Fe-Foundry |
| 2007 | Germany  | Siemens VDO | Automotive | Al | Process Support on the production of gravity die castings |
| 2007 2008 | Russian Federation  | NWA-FS | Automotive | Al | Foundry Performance Enhancement (Casting) |
| 2007 | Russian Federation  | NWA- FS | Automotive | Al | Performance Enhancement Project. (Machining) |
| 2007 | India  | Bharat Forge | Automotive | Al | Acquisition Target Search Aluminium Casting Business in Europe |
| 2007 | Slovenia  | TCG - Unitech | Automotive | Al / Mg | Implementation of Improvement in two HPDC-plants |
| 2007 | Turkey  | Componenta / Döktas | Automotive | Al / Fe | Consulting Advise on M&A Deal |
| 2007 | USA  | Dynacast | Automotive | Al / Zn | Strategic Partner Search Non-Ferrous Foundry in Eastern Europe |
| 2007 | USA  | Dynacast | Automotive | Al / Zn | Market Study Al-HPDC Business in Eastern Europe |
| 2007 | Luxembourg  | ACE | Automotive Industry | Grey Iron | Due diligence of an automotive foundry in Poland |
| 2007 | Spain  | Betsaide | Automotive | Grey / Ductile Irons | Quick scan analysis |

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| 2007 | India  | Bharat Forge | Automotive | Aluminium | Acquisition target search in aluminium casting business in Western Europe |
| 2007 | Germany  | Bosch-Buderus | Automotive | Steel | Industrial concept for manufacture of stainless steel brake discs |
| 2007 | Ireland  | Cavanagh | Municipal castings | Grey Iron | Design of the implementation of a new melt plant. |
| 2007 | Finland  | Componenta | Automotive | Iron Aluminium | Due diligence process of Döktaş foundry |
| 2007 | Belgium  | Dovre | Stove parts | Grey Iron | Projects to optimise the dust extraction system on the shake out and casting handling system |
| 2007 | U.S.A.  | Dynacast | Automotive | Aluminium | Acquisition target search non-ferrous HPDC foundry in Eastern Europe |
| 2007 | Germany  | EGT | Wind Energy | Iron | Consultancy work for melting department |
| 2007 | Germany  | Fritz Winter | Automotive Industry | Grey Iron | Design of the reclamation system and the formulation of the sand volumes in the redesigned system. |
| 2007 | Russian Federation  | Fuel Systems | Automotive | Aluminium | Foundry performance enhancement project |
| 2007 | Germany  | Konig und Bauer | Machine Frames | Grey Iron | Concept Engineering for the production of selected castings on a semi automatic moulding line |
| 2007 | U.S.A /Germany  | MTI | Automotive | Grey Iron | Site location study Eastern Europe |

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| 2007 | Belgium  | Magotteaux | Grinding Media | High Cr Irons | Project Management support for the establishment of a greenfield site foundry for grinding media in Thailand. |
| 2007 | Germany  | Nemak Dillingen | Automotive | Aluminium | Assistance and implementation of engineering project |
| 2007 | The Netherlands  | NIBC | Wind Energy | Iron | Due diligence and market survey on a German iron foundry |
| 2007 | Mexico  | ProezaGrede | Automotive | Iron | Market overview and analysis by customer segment; Competitor analysis; SWOT analysis of the company; Commercial scenario analysis; Operational plan; Financial forecast |
| 2007 | Germany  | Siemens-VDO | Automotive | Aluminium | Consultancy on production improvement at casting suppliers |
| 2007 | Russian Federation  | SLK | Automotive | Ductile Iron Steel and Aluminium | Engineering and the Project Management of a Greenfield site Foundry Facility to manufacture complex near net shape component in a range of ferrous and non-ferrous materials. |
| 2007 | Poland  | ZM Rzeszow | Automotive | Aluminium Iron | Internal & External Scrap Reduction on aluminium and iron castings |
| 2006 | Iran  | Asia Pearlite | Automotive Parts | Grey / Ductile Iron | Engineering & Project Management for the realisation of a greenfield site foundry with Disamatic moulding, induction melting and cold box core making. |
| 2006 | Germany  | Weigl AG | Automotive | Aluminium | Assistance in Realization of (DISA) sandplant |
| 2006 | Belgium  | Magotteaux | Grinding Media | High Cr Irons | Concept Engineering, incl. formulation of the required budget, for the establishment of a greenfield site foundry for grinding media in Thailand. The project included overall layout design and connection to the existing foundry. |
| 2006 | Iran  | Asia Pearlite | Automotive Parts | Grey / Ductile Iron | Concept engineering and Feasibility study for a complete new foundry of 18.500 ton/y |






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| 2006 | France  | Baxi | Domestic Heating | Grey Iron | Automation "End of the Line" including casting cooling, shot blasting and the casting handling system |
| 2006 | India  | Bharat Forge Ltd | Automotive | Grey / Ductile Iron | Fixed assets assessment of Brea, France |
| 2006 | Germany  | Bosch-Buderus | Brake Discs | Iron | Strategic analysis for building up casting competence in NAFTA region |
| 2006 | Germany  | Bosch-Buderus | Brake Discs | Iron | Strategic assessment of Wheland |
| 2006 | Germany  | Bosch-Buderus | Heating Components | Iron | Strategic analysis Buderus Gießerei Lollar |
| 2006 | Germany  | BPE | Industrial | Aluminium Magnesium | Business Case StrikoWestofen |
| 2006 | Sweden  | Camito | Large Tools and Dies | Grey Iron & Steel Mix | Concept Engineering for the establishment of a greenfield site foundry for the production of stamping tools for the automotive industry. The project included the design of specific applications in order to be able to produce the specific Camito technology parts. |
| 2006 | Turkey  | Döktas | Automotive | Iron Aluminium | Merger and acquisition advise to Koç Group, Istanbul |
| 2006 | Belgium  | Dovre | Stove parts | Grey Iron | Concept study and Investment planning for implementation of a new vertical moulding line, incl. Sandplant, pouring facility, casting cooling and shot blasting in existing foundry. |
| 2006 | Germany  | Durr Systems | Truck parts (incl. Cylinder heads and blocks) | Grey and Ductile Irons Steels, Aluminium and Non-ferrous Metals | Efficiency Improvement Analysis of the foundries of the KAMAZ Truck Company, Russia with regard to re-engineering alternatives, potential areas of saving and feasibility of each one. |
| 2006 | U.S.A.  | EJIW | Municipal Castings | Iron | Market survey municipal casting manufacturer in Eastern Europe |





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| 2006 | Ukraine  | Energomash-spetstahl | Industrial | Steel | Analysis of the current production and recommendation for the improvement. |
| 2006 | Syria  | ESO | | | Implementation of equipment and training for staff for various foundry schools |
| 2006 | Austria  | Frauenthal | Automotive | Iron | Workshop on truck drum and disc business related to Fiday Gestion, France |
| 2006 | Spain  | Fuchosa | Automotive | Iron | Market survey turbocharger housings |
| 2006 | Germany  | Georg Fischer | Automotive | Iron | Market overview of the Indian automotive casting industry |
| 2006 | Austria  | Hydro | Blocks & Heads | Aluminium | Strategic partner search for tool shop Linz |
| 2006 | Sweden  | Hydro | Automotive Parts | Aluminium | Search for a new best owner of Fundo AB, Sweden |
| 2006 | Germany  | Internet | Automotive | Grey / Ductile Irons | Analysis of the present production and recommendations for future investments. Implementation of the recommendations. |
| 2006 | Brazil  | lochpe-Maxion | Automotive | Iron | Casting competence analysis on Tupy, Brazil |
| 2006 | Germany  | Konig und Bauer | Machine Frames | Grey Iron | Feasibility Analysis on the possibility of realising a new foundry facility in one of two different locations. Amongst others, all aspects on financing, infrastructure and human resources were considered to determine the effects of each location on cost per tonne. |
| 2006 | Germany  | LEK | Industrial | Aluminium | Market study melting furnaces and dosing systems for Al-/Mg foundries |











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| 2006 | Germany  | M. Busch | Automotive Braking Components | Grey / Ductile Irons | Concept Engineering & Feasibility Study to determine the effectiveness of installing extra manufacturing capacity at the existing Bestwig site. |
| 2006 | France  | Manoir | Various | Steel | Due diligence of foundry and forging plants |
| 2006 | Germany  | MPM/ Rothgordt | Industrial | Iron | Merger & Acquisition MPM Jünkerath |
| 2006 | South Africa  | Murray & Roberts | Engine Blocks | Iron | Process and product improvements for engine blocks |
| 2006 | The Netherlands  | Nijhuis | Pumps & Valves | Steel | Market Survey Potential Supplier of Castings in Eastern Europe |
| 2006 | Russian Federation  | Novosibirsk | Machinery | Steel | Concept Engineering & Feasibility Study for a new precision castings foundry in the lost wax process |
| 2006 | Russian Federation  | NWA | Automotive | Aluminium | Foundry optimisation: determination of strategic and operational goals |
| 2006 | China  | Saint Gobain | Pipes & Fittings | Grey Iron | Dismantling, cleaning, packaging and transportation of core making equipment from Germany to the Saint Gobain site in China. In addition, the supervision of the installation and commissioning of the machinery in its new location. |
| 2006 | Brazil/China  | Saint Gobain | Pipe Fittings | Malleable Iron | dismantling, cleaning, packaging and transportation of foundry equipment from Germany to the Saint Gobain sites in China and Brazil. |
| 2006 | Russian Federation  | SLK | Automotive | Ductile Iron Steel and Aluminium | Techno-Economic Base for the Establishment of a Greenfield site Foundry Facility to manufacture complex near net shape component in a range of ferrous and non-ferrous materials. |
| 2006 | Slovenia  | TCG-Unitech | Automotive | Aluminium Magnesium | Potential Audit |

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| 2006 | Germany  | Voith | Various (large hand moulded castings) | Grey / Ductile Irons | Strategic partner search for Heidenheimer Gießerei GmbH |
| 2006 | China  | Weichai | Cylinder Blocks & Heads | Grey Iron | Conversion of customer 2-D drawings for a new manufacturing facility into a detailed 3-D model in order to eliminate unforeseen conflicts during project realisation. |
| 2006 | Poland  | ZM Rzeszow | Automotive Engineering | Aluminium Iron | Internal & external scrap reduction on aluminium and iron castings |
| 2005 | Germany  | Busch | Automotive Parts | Ductile Iron | Concept design and feasibility study for foundry expansion in Hungary |
| 2005 | Australia  | Champ Ventures Pty | Automotive Parts | Grey and Nodular Iron | Audit of two iron foundries of Intericast & Forge. Project on productivity improvements and other measurements and investments in relation to best practise benchmark for the two foundries. |
| 2005 | Australia  | Intericast & Forge | Automotive Parts | Grey and Nodular Iron | Concept engineering review for an additional vertical flask less moulding line |
| 2005 | Australia  | South Australian Government/ DTED | Automotive | Aluminium | Cost comparison for Futuris engine block aluminium foundry project in Australia |
| 2005 | Germany  | Gienanth | Engine Blocks and Cylinder Heads | Grey and Ductile Iron | Analysis of market for cast iron, engine blocks, and cylinder heads |
| 2005 | United Kingdom  | Bain Capital | Automotive | Magnesium | Business Advise related to Acquisition of Meridian |
| 2005 | Germany  | LEK | Automotive Parts | Aluminium Magnesium | Data request selective HPDC-automotive parts (Vision / Unitech) |
| 2005 | Australia  | Mitsubishi | Automotive Parts | Grey and Ductile Iron | Marketing initiative on Lonsdale Iron Foundry |











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| 2005 | Germany  | Zinkinvest / WestLB | Automotive & Building | Iron | Commercial / technical due diligence on Vista / VSMH |
| 2005 | Poland  | Innova Capital | Disc Brake Calliper's Housings | Aluminium | Due Diligence and EBCC Market Review |
| 2005 | India  | RICO | Automotive Parts | Iron | Commercial strategy on turbocharger housings market |
| 2005 | Turkey  | Döktas | Automotive Parts | Grey and Ductile Iron, Aluminium | Audit at iron foundry and two aluminium foundries |
| 2005 | Russian Federation  | Rostovskij Litejny Zavod (RostLit) | Agriculture castings | Grey iron/malleable iron | Execution of face 0 of the Performance & enhancement project for the grey iron and malleable iron facilities of Rostovskij Litenj Zavod. The project is a follow up of the earlier Quick Scan assignment carried out at same company and aims to fix the overall quantities and qualities potential for improvement of the plant in terms of cost reduction, scrap reduction and increase of machine utilisation. |
| 2005 | Russian Federation  | Ruselprom | Components for electro motors like housings and rotors | Aluminium | Implementation of a Concept Engineering report of a modernization and extension of the aluminium foundry facilities Vladimir ElectroMotor Plant. The facility manufactures various aluminium components for electromotor production. The concept engineering report contains a feasibility analysis. |
| 2005 | South Africa  | Atlantis Foundries | Cylinder blocks | Grey Iron | Atlantis Foundries (Pty) Ltd., is part of the DaimlerChrysler 'Mercedes Benz Truck Unit' and incorporated into the Mannheim Foundry Product Unit. Complete concept engineering for an expansion project that encompasses a new cylinder block casting facility. Engineering and Project Management for the moulding- and core shop, including Turn-Key supply for the greensand- and core sand-plants, the automated core assembly and casting cooling facilities. The project is realized in a live environment. |
| 2005 | Germany  | Galladé | Automotive parts | Aluminium | Audit in HPDC foundry. |
| 2005 | Sweden  | Finnveden Gjutal | Automotive parts | Magnesium | <ul style="list-style-type: none"> - Foundry audit Mg casting and machining - Optimum Mg furnace and pouring equipment - Concept engineering, status definition new Mg die casting foundry in Poland |
| 2005 | Germany  | Schweizer-Weichand/ Plattenhardt GmbH | Automotive parts | Aluminium Magnesium | Market study of the West European light metal die-casting companies (Al and Mg) with establishments in Eastern Europe |











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| 2005 | Canada  | Wescast | | | Execution of complete concept engineering for a new to be established production facility in China. |
| 2005 | Mexico  | Castech | Cylinder heads | Aluminium | Castech is an Aluminium foundry where engine blocks and heads are produced by means of the core package method using gravity die casting or low pressure die casting. Currently Gemco realizes the conceptual and detail engineering to improve castings and overall plant cooling in the head plant. This is done by means of redesigning the current cooling tunnels at the casting machines and adjusting the ventilation in the various areas of the foundry. |
| 2005 | Germany  | Voith | Various engineering parts | Grey Iron Nodular/Spheroidal Iron | Strategic new owner search for Heidenheimer Gießerei |
| 2005 | U.S.A.  | East Jordan Iron Works | Municipal castings | Grey Iron | Coaching on Strategic Partner Evaluation |
| 2005 | Germany  | Hydro/Köln | Automotive parts | Aluminium | Strategic Partner Search for tool shop Linz/Austria. |
| 2005 | Sweden  | Hydro Fundo | Automotive parts | Aluminium | Assessment of aluminium GDC/LPDC plant. |
| 2005 | Germany  | Plattenhard | Automotive parts | Aluminium | Business case Turkey |
| 2005 | France  | AFE | Automotive parts | Nodular iron | Audit & Strategy of AFC/Redon. |
| 2005 | Germany  | Deloitte | Automotive parts | Aluminium | M&A assistance on Altec/Hof – HPDC plant. |

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| 2005 | France  | Fiday Gestion | Automotive parts | Iron | Audit on truck brake disc plant. |
| 2005 | France  | MB Automotive | Automotive parts | Aluminium | Approval of investment on one new product line |
| 2005 | Switzerland  | Leman Capital | Automotive parts | Aluminium | Interim management in MB-Automotive/St. Claude. |
| 2005 | Switzerland  | Leman Capital | Automotive parts | Aluminium | Operational audit at 3 plants of MB automotive, in France and Spain |
| 2005 | Russian Federation  | Rostovskij Litejny Zavod (RostLit) | Agriculture castings | Grey iron and malleable iron/Steel, aluminium | Execution of a strategic and operational quick scan for the grey and malleable iron, steel, aluminium foundries with the aim to determine the potential to improve the overall performance of the plant in terms of cost reduction, scrap reduction and increase machine utilization. |
| 2005 | Australia  | State Government of Victoria | Automotive parts | Aluminium | Cost comparison Study for aluminium engine block foundry plant |
| 2005 | Ukraine  | Service Centre Metallurg (RUSAL) | | Steel | Execution of a strategic and Operational Quick Scan of existing foundry facilities of Service Centre Metallurg in Nikolaev. Main project objectives are an investigation to possibilities for performance enhancement of the steel foundry; in terms of cost reduction, scrap reduction, efficiency improvement, machine optimisation and possibilities for increase of sales. |
| 2005 | France  | Farinia | Automotive parts | Iron | Market survey on truck engine blocks Europe, Far East and the United States. |
| 2005 | Poland  | Englefield | Various Castings | Iron, Aluminium and Steel | Foundry Study and Due Diligence for Rzeszow Foundries/Poland. |
| 2005 | Sweden  | Hydro Fundo | Automotive parts | Aluminium | Sales approach to Voith-Turbo |






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| 2005 | Germany  | Alcoa | Automotive parts | Aluminium | M&A on Alcoa plant in the United Kingdom. |
| 2005 | Spain  | ThyssenKrupp | Automotive parts | Aluminium | Sale of Mieres HPDC plant in Spain for escalator steps. |
| 2005 | Poland  | Innova Capital | Automotive brake parts | Nodular Iron | Market study on Fuchosa/Spain. |
| 2005 | Poland  | Brembo Brake Disc Foundry Poland | Brake discs | Cast Iron | Turnkey project including site preparation, foundations, building, offices, all utilities etc. Complete foundry equipment with maintenance shop, laboratories, tooling repair and storage. The services included engineering, managing all required permits, training and ramp up services. |
| 2005 | Germany  | Handtmann | Automotive parts | Aluminium | Turnkey Lost Foam Foundry – Gemco designed and supplied an complete automatic moulding line for 40 flasks per hour. Turnkey project comprises lost foam casting technology, foundry design, engineering, supply of all equipment, installation and commissioning of the complete automatic foundry. |
| 2005 | Russian Federation  | RosALit | Automotive parts | Aluminium | New assignment for continuation of management support for the organisational and technical restructuring of two existing aluminium foundries (High Pressure Die Casting and Gravity Die Casting) for newly established independent foundry company RosALit. RosALit is a daughter company of ZMZ. |
| 2005 | Syria  | ESO | | | Realization of foundry training facilities. |
| 2005 | Spain  | Fagor Ederlan | Gear box and clutch housings | Aluminium | Concept Engineering for new aluminium HPDC foundry. New plant will be example production facility for all other foundries of Fagor. |
| 2005 | Germany  | Knorr Bremse | Brake components | Grey and ductile iron | World casting supply survey in China, Korea and India |
| 2005 | Mexico  | Castech | Cylinder heads | Aluminium | Brownfield study to investigate expansion possibilities in the current aluminium cylinder head die casting plant. Expansion has to be executed without production interruption. |

| Year | Country | Client | Components | Metal | Project Description |
|------|--|---------------------|---|---|--|
| 2005 |  The Netherlands | Rademakers Gieterij | Street castings | Grey iron and ductile iron | Quick scan analysis. Improvement of the current production. |
| 2005 |  Germany | Hydro | Cylinder heads | Aluminium | Concept engineering study for new aluminium cylinder head die casting foundry. New and used equipment are combined to create a new state of art production facility. |
| 2005 |  Germany | Hydro | Aluminium Engine Blocks and Cylinder heads | Aluminium | Internal project engineering for capacity optimisation of a current production facility for engine blocks and cylinder heads. |
| 2005 |  Mexico | Castech | Cylinder heads | Aluminium | Concept study for a new aluminium cylinder head die casting where the new facility should be capable of phased growth while maintaining optimal production will flow. Study consists of loading study, layout and civil calculations together with total investment calculations. |
| 2005 |  China | Weichai | Medium diesel engines | | Process in concept engineering assistance for new foundry for diesel engines, heads, blocks and other engine parts. Total investment is 50 million Euro. |
| 2005 |  Russian Federation | Norma Import | Automotive castings | Aluminium | Implementation of a Productivity Improvement Project for an automotive components manufacturer; consisting of a Quick Scan Analysis and Interim Management Engagement. |
| 2005 |  Germany | Georg Fischer | Automotive products | Ductile and grey iron | Market study China. |
| 2005 |  Russian Federation | Kolomensky Zavod | Railway products | Steel | Implementation of a Concept Engineering report for the establishment of a greenfield foundry for the production of grey iron and steel castings for the railways industry. The Concept Engineering report contains a Feasibility Analysis. |
| 2005 |  Mexico | Nemak | Aluminium Engine Blocks and Cylinder heads | Aluminium | Market Assessment Report of the Automotive market in a special region for Aluminium Engine Blocks and Cylinder heads. |
| 2004 |  The Netherlands | Zinifex Budel Zink | Jumbos and ingots for galvanising and die-casting | Zinc as Special High Grade (SHG) Zinc alloys as Continuous Galvanising Grade (CGG) and ZAMAK | Concept engineering, detailed engineering and project management for the realisation of an extension of the zinc alloys production line. The extension consist of a new holding furnace, new casting line and modification of the launder system. The alloying and casting capacity is doubled from 6 tph to 12 tph. |
| 2004 |  China | Winhere Foundry | Brake Discs | Iron | Operational improvement study. |

| Year | Country | Client | Components | Metal | Project Description |
|------|---|--------------------------------|--|---------------------------|--|
| 2004 | Mexico  | Camisa | Engine blocks | Cast Iron | Engineering study for relocation of cylinder liner foundry. Loading study, determination of relocation program and cost aspects. |
| 2004 | Ireland  | Cavanagh | Municipal castings | Grey Iron | Concept engineering and supervision of dismantling for re-location of induction melting furnace plant; capacity 4 t/h. |
| 2004 | Turkey  | EKU | Brake discs and discs for trucks | Grey Iron | Market survey for brake discs and discs for trucks. Concept engineering and feasibility for new brake discs and discs foundry. Detailed engineering for new brake discs and discs foundry. |
| 2004 | Cyprus  | Nemitas | Pumps and engineered castings | Grey Iron | Valuation of foundry by capacity 3t/h and air-press-moulding line by 65 m/h with boxes 660x660x330/330 mm; valuation to prepare replacing and modernization. |
| 2004 | South Africa  | Murray & Roberts | Automotive | Iron | Consultancy for efficiency improvement. |
| 2004 | Austria  | Voestalpine | Turbine castings Machine parts Casting for the offshore industry | Steel | Feasibility Evaluation for the formation of a JV partnership foundry in China. The evaluation included obtaining local basic data (via Gemco office in China), qualitative assessment of the proposed sales plan, and formulation of a suitable feasibility model that produced a set of quantifiable deliverables (ie IRR, Payback time and ROCE) and determination of the sensitivity of the main elements of the project. |
| 2004 | Mexico  | Quimmco | Automotive | Steel | Performance improvement review for a forging shop producing heavy forgings for the automotive market inclusive front axle I-beams and crankshafts. |
| 2004 | USA  | MTI | Automotive | Grey iron Ductile iron | Strategic market research in China. |
| 2003 | Russian Federation  | Zavolzshki Motorny Zavod (ZMZ) | Engines | Aluminium | Overall Efficiency Evaluation assignment of an existing aluminium foundry plant of major Russian engine manufacturer ZMZ in Nizhnij Novgorod Oblast. The evaluation took into account three operational components such as increase of uptime of equipment and lowering production cost. |
| 2003 | China  | Saint Gobain PAM | Pipe fittings | Grey iron | Concept engineering to produce pipe fittings in a new no bake foundry, investigation of available Chinese equipment to produce high quality fittings. |

| Year | Country | Client | Components | Metal | Project Description |
|------|---|--------------------------------------|--|---------------------------|---|
| 2003 | China  | First Auto Works | Engine blocks for light truck 6-cylinders | Grey iron | Review of pre-engineering study. Complete new foundry in an existing building to produce 250.000 engine blocks. |
| 2003 | Finland  | Componenta | Automotive parts Parts for wood industry Engineering parts | Grey iron Modular iron | Pre-engineering study. Merging of two foundries in an existing foundry building. Including loading studies lay out planning and costs. |
| 2003 | Algeria  | Fonderie Alfon | Municipal castings Lamp poles Brake shoe inserts Phosphorous iron | Grey iron | Study for existing foundry and concept study for relocation, modernization and extension. |
| 2003 | China  | Hitchiner Manufacturing Company Inc. | Automotive (Lost wax) | Grey and ductile iron | Industrial site selection criteria in which Gemco fully assisted the client in short-listing a number of potential sites throughout China for the establishment of new production facilities. |
| 2003 | Czech Republic  | Saint Gobain PAM | Pipe fittings | Grey iron | Engineering for reconstruction of no bakeshop to produce large pipe fittings. |
| 2003 | Germany  | SHW | Brake systems | Grey iron | Short audit project for production optimisation of the foundry. |
| 2003 | Germany  | Bender | Aluminium scrap smelter | Ingots aluminium | Potential audit, re-engineering for reconstruction and production improvement of the complete secondary aluminium smelter. |
| 2003 | Mexico  | Sealed Power Mexicana | Piston rings | Alloyed grey iron | Feasibility Analysis for the relocation of an existing grey iron facility. |
| 2003 | France  | Baxi France | Boiler elements | Grey iron | Concept Engineering for automated casting cleaning line. |
| 2003 | South Africa  | Murray & Roberts | Engine blocks Exhaust manifolds | Ductile iron | <ul style="list-style-type: none"> - Productivity improvement audit and support to clients' taskforce to implement the identified improvement. - Design review of concept engineering for new production line for machined exhaust manifolds. - Concept Engineering on relocation and upgrade of the core shop for production of cores for exhaust manifolds. - Potential audit to identify and outline the strength and weaknesses of the tool shop. |











| Year | Country | Client | Components | Metal | Project Description |
|------|--|--|--|-------------|---|
| 2003 | Poland  | Brembo Brake Disc Foundry Poland | Brake discs | Iron | Concept engineering and feasibility study for the establishment of a brake disc foundry in Poland. |
| 2003 | Italy  | AMC Foundry Italy | Brake rotors | Grey C.I. | Techno-economic evaluation of the potential for relocation of a complete foundry facility including existing equipment evaluation, design considerations for relocated plant, influence of local constraints, logistics and cost of relocation. |
| 2003 | United Kingdom  | Saint-Gobain Pont-à-Mousson | Pipe fittings | Ductile C.I | Turnkey engineering and contracting of sand plant as well as other process equipment specifically designed for Saint-Gobain PAM moulding equipment. Transfer, re-erection and commissioning of specific equipment and tooling from the United Kingdom to China. |
| 2003 | Mexico  | Condumex/DANA (Camisa) Mexico | Cylinder liners for combustion engines | Grey C.I | Turnkey execution of a complete foundry, inclusive building and utilities, for the production of engine cylinder liners. Project including new melt plant and auxiliary systems. |
| 2003 | France  | Baxi France S.A. | Heating boilers | Grey iron | Concept Engineering for in-line casting cleaning system. |
| 2003 | Mexico  | Camisa | Cylinder liners for combustion engines | Grey C.I. | Complete conceptual engineering study for a new (greenfield) foundry producing cylinder liners. Study including layout design and equipment specification for melting, holding and centrifugal casting equipment with all auxiliary systems. Investment overview inclusive foundry equipment, utilities, civil works and buildings. |
| 2003 | Germany  | Aluminiumfeinguss Soest GmbH & Co. KG | Aerospace a.o. | Aluminium | Process analysis investment casting |
| 2003 | Canada  | Aluminium Valley Society | All | Aluminium | Workshop on future investments |
| 2003 | France  | Bosch Systèmes de Freinage | Brake parts | Iron | Foundry workshop |
| 2003 | United Kingdom,  | Citigroup Global Market Ltd. | Automotive | Aluminium | Market survey aluminium high pressure die castings Europe |
| 2003 | Germany  | DB Regio AG / Region Baden- Württemberg | | | Optimisation of operational downtimes |










| Year | Country | Client | Components | Metal | Project Description |
|------|---|---|---------------------------------|-------------|---|
| 2003 | Netherlands  | Deutsche Bahn Reise & Touristik AG | | | Weak-point analysis at Leidschendam |
| 2003 | Turkey  | Döktas Dökümcülük Ticaret ve Sanayi A.S. | Automotive | Iron | Foundry Audit and Macro Business View |
| 2003 | Turkey  | EKU Fren Kampana Sanayi ve Ticaret Ltd. | Brake discs and drums | Iron | Market study on brake discs and drums North American market Market survey, concept engineering and feasibility study |
| 2003 | United Kingdom  | Ferrotech Ltd. | Engine bloc | Iron | Data search and workshop for automotive customer Ford Puma |
| 2003 | Denmark  | Grundfos Management A/S | Valves Pumps | Iron | European market study search for strategic partner |
| 2003 | Germany  | Hydro Aluminium Alucast GmbH | Engine blocks Cylinder heads | Aluminium | Participation in the optimisation of technical and organisational processes of line 1 Development of technical optimisation concept incl. jointly responsible Realisation of improved metal supply in line 1+2 Implementation of procedures as well as independent localisation and point out of room for improvement in core shop and foundry |
| 2003 | Spain  | Infun S.A. | Automotive | Aluminium | Strategic partner search AE-DRM |
| 2003 | Germany  | Altec GmbH | Automotive | Aluminium | Preparation of authorisation documents according to "BlmSchG" |
| 2003 | Netherlands  | Lost Foam Found 3 BV | Various | Aluminium | Interim management Strategic partner search |
| 2003 | Germany  | Internet Europe | Automotive | Light Metal | Market survey high pressure die casting al-/mg-companies in Western Europe |









| Year | Country | Client | Components | Metal | Project Description |
|------|--|--|---------------------|-----------|---|
| 2003 |  Germany | Georgsmarienhütte Holding GmbH | Automotive | Iron | Development of future strategic position for automotive business unit of Georgsmarienhütte foundry group |
| 2003 |  Germany | Präzisions-Brems-Scheiben GmbH | Brake discs | Iron | Brake disc machining facility potential analysis |
| 2003 |  Belgium | Proferro B.V. | Various | Iron | Assist in establishing engineering strategy |
| 2003 |  Germany | Rautenbach Guss Wernigerode GmbH | Cylinder heads | Aluminium | Machining specialist |
| 2003 |  Netherlands | Remeha B.V. | Heatings | Aluminium | Foundry expert in Chinese aluminium casting manufacturer |
| 2003 |  Hungary | S&C Magyarmet Finomöntöde BT | Investment Castings | Steel | Process optimisation |
| 2003 |  Germany | Schwäbische Hüttenwerke GmbH | Brake discs | Iron | Brake disc foundry Short analysis brake disc foundries |
| 2003 |  Mexico | Sealed Power Mexicana S.A. de C.V. | Cylinder Liners | Iron | Feasibility analysis of the relocation / integration of a piston ring foundry |
| 2003 |  Germany | ThyssenKrupp Automotive AG | Automotive | Iron | Strategic partner search for ThyssenKrupp Darcast Ltd. / UK Strategic partner search for ThyssenKrupp QDF Components Ltd. / UK Interim management at QDF Components Ltd. / UK Audit and review of existing strategic plan Technical support during the restructuring of QDF Components Ltd. |
| 2003 |  South Africa | Murray & Roberts Foundries Group (Pty). Ltd. | Automotive | Iron | Productivity improvement in Autocast Foundry in Brits Design review report on concept engineering of production line for machined exhaust manifolds in Port Elizabeth Potential analysis of the tool shop |
| 2003 |  Germany | Schmidt & Clemens GmbH & Co. KG | Investment Castings | Steel | Strategic partner search for S&C Magyarmet Finomöntöde BT / Hungary |

| Year | Country | Client | Components | Metal | Project Description |
|-------------------|---|---------------------------------------|----------------------------|-----------|--|
| 2003 | Uzbekistan  | AIK Obi Hayet | | | Operation and Maintenance Equipment Rural Water Supply Programme |
| 2003 | Germany  | Von Roll Voith | Various | Iron | Partner Search |
| 2003 | Switzerland  | Von Roll itec AG | | | Customer survey "IT systems" "GIFA-performance" |
| 2003 | Germany  | WAB GmbH | | | Cooperation in various projects with the task "Analysis and optimisation of production / time management" |
| 2002-2003 | Germany  | Gienanth AG | Various | Iron | Foundry Interim management |
| 2002-2003 | United Kingdom  | Magnesium Elektron Ltd. | Automotive | Aluminium | Project "Luzern" |
| 2002-2003 2001 | Italy  | Lead Time S.p.A. | Truck and Tractor Castings | Iron | Strategic partner search Foundry interim management Business audit and future prospects |
| 2003 2002 | Germany  | Deutsche Bahn Reise & Touristik AG | | | Evaluated examination of a transaction process by analysis, monitoring and controlling of influencing variables to create an energy-saving company for multiple units Fit for Köln Rhein Main Aims production 2002 |
| 2003 2002 | USA  | Metal Technologies (MTI) | Stove Castings Automotive | Iron | Market testing Technical Due Diligence of a DISA-Foundry |
| 2003 2002 | Germany  | Wissner-Bosserhoff GmbH | | | Optimisation concept – powder coating plant Implementation of temporal commercial arrangements |
| 2003 | Germany  | ABA Beul GmbH | Fittings Valves | Bronze | Technical support in the low pressure die casting Short Audit |

| Year | Country | Client | Components | Metal | Project Description |
|--------------------------------------|---|---|--------------------|----------------------------|---|
| 2003 2002 | Italy  | Alupress AG | Various | Aluminium | Planer Alupress Coaching Interim Management; Short Audit Production Improvements; Project Management |
| 2003 2001-2002 | Germany  | Deutsche Bahn Reise & Touristik AG | | | Cooperation in the project "Express-Excellency for the input of productive capabilities" Assistance in the development of a value analysis centre Planning, coordination and realization of guarantee works for the ICE III |
| 2003 2002 2001 | France  | Fiday Gestion | Truck Brake Drums | Iron | Assistance with equipment selection Implementation project Strategic development analysis of the foundry |
| 2003 2001 | Netherlands  | De Globe B.V. | Various | Iron | Market review Market study and strategic orientation Search for a strategic partnership for the iron foundries |
| 2003 1999/2000 1994 | Germany  | Allweiler AG | Pumps | Steel Aluminium Iron | Reference analysis Search for a strategic partner Investment melting process |
| 2003 1998 | USA  | Atchison Casting Corp. | Valves | Iron | Environmental audit foundry in Germany European market study for hydraulic control valves |
| 2003 1998 1995 1994 1993 | Switzerland  | Georg Fischer AG | Automotive | Aluminium Iron | Market survey aluminium foundries China Evaluation of the sand blasting plants Feasibility study for project strategy Optimisation of the area requirement Feasibility MBF + "GF" effectiveness-study aluminium Industrial development certificate for the suggestions of improvement Report "Strategic positioning of the vehicle technique" Different projects: feasibility studies, truck wheel castings, aluminium foundry, site location analysis, etc. |
| 2003 1997 | United Kingdom  | Welsh Development Agency, Mid Wales Division | Automotive | Aluminium Iron | Review of current position & opportunities for KTH foundry Foundry feasibility study |
| 2003 1992 | Norway  | Ulefos Jernvaerk | Municipal Castings | Iron | Potential analysis Feasibility study for a new foundry Market survey |
| 2002-2003 | United Kingdom  | Department of Trade and Industry | Various | Iron | Framework for sectoral competitiveness analysis |










| Year | Country | Client | Components | Metal | Project Description |
|----------------------|---|--|-----------------|------------------------|--|
| 2002-2003 | Switzerland  | Fonderie de Moudon | Various | Iron | Optimisation of the automatic moulding plant with the first of line and end of line production sectors and the logistic |
| 2002-2003 2001 | Norway  | Sigma Elektroteckisk A.S. | | | Business plan development for the commercialisation of a sterling engine in the heat technology |
| 2003 2002 | Germany  | Krupp VDM GB Bleche und Stangen | | | Evaluation of EDI in the order running |
| 2003 2002 | Germany  | Maucher Flüssigmetaldosier- Pumpen | | Aluminium Magnesium | Strategy for the market entrance of the dosage pump for liquid metals for the materials aluminium and magnesium |
| 2003 2002 | Germany  | Winkelmann & Pannhoff- Umformtechnik GmbH | | | Process optimisation within the course organization |
| 2003 2002 | Netherlands  | Freniks-Werken B.V. | Various | Aluminium | Market strategy High Pressure Die Casting |
| 2003 2002 | United Kingdom  | Calcast Limited | Cylinder Heads | Aluminium | Strategic planning and Interim Management |
| 2003 2001-2002 | Germany  | KS Gleitlager GmbH | Bearings | Iron | Elaboration of the process parameter and of a new control system for the Bearings, Inc., Greensburg/USA Potential audit, planning and realization of measures and projects for the development of cost reduction potentials for the KS Bearings, Inc., Greensburg/USA |
| 2003 2002 2001 | Germany  | Georg Fischer Mössner GmbH | Structure Parts | Aluminium | Extension of the site location analysis with 2 further locations Site location analysis and evaluation in the USA |
| 2003 2001 | Germany  | Buderus Guss GmbH | Brake Discs | Aluminium Iron | Detailed planning, "BlmSchG"-application and construction of a Disamatic brake disc foundry in Breidenbach (in co-operation with Gemco, NL) Analysis and market study of iron casting in Western Europe Site location analysis for a brake disc Disamatic foundry Planning of a modular Greenfield brake disc Disamatic foundry Feasibility Study: relocation for HPDC plant |












| Year | Country | Client | Components | Metal | Project Description |
|------|--|--------------------------------------|---|-------------------|---|
| 2002 | The Netherlands  | Confidential | Heavy machine and truck components | Ductile C.I. | Concept engineering. Optimisation of automated no-bake foundry regarding mechanical, logistical and control aspects |
| 2002 | Germany  | Confidential | High volume automotive castings | Grey/Ductile Iron | Analysis of actual production and efficiency. Study of required investments and changes to make the foundry competitive for the production of high volume automotive castings. |
| 2002 | France  | Auto-Chassis International – Renault | Ventilated discs | Grey iron | Review of the production of ventilated discs and calculate the viability of capital investments to enhance the production. |
| 2002 | Mexico  | Federal Mogul | Engine bearings, bushings, washers | | installation of a complete new induction melting shop inclusive all mechanical and electrical auxiliary equipment. The project included dismantling and removal of obsolete melting furnaces. Project executed in shortest time possible in order not to disrupt ongoing production. |
| 2002 | South Africa  | Murray & Roberts | Exhaust manifolds | Ductile Iron | Study for metal treatment, melting, and pouring systems for new casting line for exhaust manifolds. |
| 2002 | The Netherlands  | Van Voorden | “Steel and wear resistant” castings for pump-housings and impellers for dredging industry; also aluminium-bronze ships propellers | Iron | Engineering and design for a complete new plant for the production of steel- and wear resistance components for the dredging industry. Also large non ferro castings for the ship propulsion system. The contract includes the design of all departments such as the new ferro- and non-ferro foundry, the finishing department, the machine shop and welding department plus the offices and full site inventory. |
| 2002 | Russian Federation  | Confidential | Automotive components | Grey/Ductile Iron | Concept engineering and export market report prepared for a Russian automotive group The report consists of an in-depth analysis of existing foundry facilities at a large Russian automotive plant as well as a determination of the investment required for an upgrade of this facility with as main production objective cylinder blocks. Additionally an analysis of potential European export markets for automotive and other castings for the upgraded facility is given. |
| 2002 | United Kingdom  | Ford Leamington | Brake discs | Grey/Ductile Iron | Turn-key realisation of a vertical moulding line with sand plant, medium frequency melting furnace complete with charging system, metal transfer and pouring furnace. The project also included the dismantling of the old redundant moulding line and melting facility, civil works, building alterations. While the project was executed, the production on adjacent equipment continued. Project including uptime and quality guarantees. |
| 2002 | United Kingdom  | Ford Leamington | Brake discs | Grey/Ductile Iron | Study for the implementation of a new vertical moulding line, including melt plant, sand preparation, core handling and finishing systems in the existing plant. Special focus on provisions to guarantee undisturbed operation of other production lines and safety and health issues for working in live environment |











| Year | Country | Client | Components | Metal | Project Description |
|------|---|--|---|-------------------|--|
| 2002 |  | Khorasan Novin Casting Company | Engine components | Grey/Ductile Iron | Business Plan for a Greenfield Lost Foam foundry, concept engineering and for engine castings. The conceptual design includes a Gemco designed modular Lost Foam moulding line, which can be expanded in future. Also foam production systems and product development is part of the project. |
| 2002 |  | Iran Khodro Casting Industries Company | Automotive components | Grey/Ductile Iron | A Business Plan that include a concept-engineering study and Feasibility Analysis for a new greenfield automotive component foundry in Iran. The project consists of an in-depth process study of the new facility and complete examination of the conditions of some existing equipment that will be relocated to the new greenfield foundry facility. |
| 2002 |  | Fonderie Millen BV | Full range of casting components | Grey Iron | Engineering and design of the lay out for the integration of two existing production facilities, both owned by Fonderie Millen. The new foundry re-uses certain components from these two foundries; Fonderie Millen has the green sand facilities and Konings Foundry employs no bake production lines. Included in this project are the estimation of the transfer costs and the establishment of the budget for all new equipment. |
| 2002 |  | Advantage West Midlands | Automotive | Iron | Regional innovation fund Castings industry mapping category 2 |
| 2002 |  | Andion GmbH | All | Aluminium | Market introduction of sodium sensor |
| 2002 |  | Babcock Borsig AG | PowerStation Castings Wind Energy Castings | Iron | Assistance with international marketing |
| 2002 |  | Case New Holland Italia SpA | Agricultural | Iron | Cost Reduction Potential for Purchasing of Casting Parts |
| 2002 |  | Druag Druckguss AG | Various | Aluminium Zinc | Audit and Strategy |
| 2002 |  | Ford Motor Company Limited | Brake discs and drums | Iron | Pre engineering study |
| 2002 |  | Global Guss GmbH | Various | Iron Aluminium | Shop floor improvement programme, Short Audit, Strategic Partnership, Interim management. |

| Year | Country | Client | Components | Metal | Project Description |
|------|---|--|--------------------------------|-----------|---|
| 2002 | Germany  | Graffinity Pharmaceuticals AG | | | Downsizing personnel staff and organizational support |
| 2002 | Germany  | Grainville Baird Capital Partners Advisors Ltd. | Automotive | Aluminium | Short Audit Amann |
| 2002 | France  | Groupe Valfond | Automotive | Magnesium | Diagnostic magnesium and strategy |
| 2002 | Spain  | Fagor Ederlan | Brake discs | Iron | Brake Disc Machining Facility Redesign |
| 2002 | Germany  | Hydro Aluminium Deutschland GmbH | Engine blocs Cylinder heads | Aluminium | Implementation of warranty works according to defects catalogue |
| 2002 | United Kingdom  | Hydro Aluminium Motorcast | Cylinder heads | Aluminium | Interim Shopfloor-Management Improvement of productivity and output (scrap reduction) |
| 2002 | Iran  | Iran Khodro Casting Industries Co. | Automotive | Iron | Evaluation of a dismantled moulding line |
| 2002 | Switzerland  | Leman Capital sarl | Automotive | Aluminium | Technical due diligence AE-Group Anti Thrust Regulation Report Rework of MB Automotive Strategic Partnersearch Brochure incl. ex Peugeot Foundry Villers-La-Montagne |
| 2002 | Germany  | Mahle GmbH | Engine blocs | Aluminium | Planning and project support for the design of a cylinder crankcase production |
| 2002 | Denmark  | MAN B&W Alfa Diesel | Engine Castings | Iron | Realisation of the Improvement Potential, defined in the previous project, Investigation of the profitability and competitiveness of the in house foundry Foundry Engineering |
| 2002 | France  | Manoir Industries | Abrasive automotive | Steel | Partner search for Seneffe / Belgium Investment Casting Foundry and St. Brieux / France, Steel casting foundry |











| Year | Country | Client | Components | Metal | Project Description |
|------|---|-----------------------------|--------------------------|--------------------------------|--|
| 2002 | Germany  | Metso-Lindemann GmbH | Abrasive Casting | Steel | Technology Analysis "Zerdinator Hammers" at the Faco Foundry, Brazil |
| 2002 | Schweiz  | Schindler Aufzüge AG | Elevator Castings | Aluminium | Construction of the die casting component "Pretensioning Sleeve" made of Al |
| 2002 | Russian Federation  | Severstal Group | Automotive | Iron | Determination of potential markets Existing facility evaluation |
| 2002 | Germany  | SHB Stahl- und Hartgusswerk | Automotive | Steel | Acquisition and presentation of CADIC-progress |
| 2002 | Bosnia-Herzegovina  | SOKO d.d. | Sheets Bars Strips | Aluminium | Plant audit |
| 2002 | Netherlands  | Stoomhamer N.V. | Tubes Fittings | Steel | Marketing and production study Feasibility study: Centrifugal castings for Petrochemical Industry |
| 2002 | Germany  | ThyssenKrupp VDM | | | Analysis, detail conception as basis for a process control system in the field of material utilisation (interface, material entry until calculation) |
| 2002 | Germany  | Trimet Aluminium AG | Automotive | Aluminium | Developing a concept for the strategical alignment of TRIMET ALUMINIUM AG, Division AUTOMOTIVE |
| 2002 | Denmark  | Vald. Birn | Truck and tractor parts | Iron | Investigation of potentials for cost reduction and improvement of competitiveness Potential audit |
| 2002 | Germany  | Volkswagen AG | Cylinder Heads | Aluminium | Planning of concept and details for an air evacuation dust system Installations concerning core shop, foundry and treatment of crude parts |
| 2002 | Germany  | Zitzmann Druckguss GmbH | Automotive | Aluminium Magnesium Zinc | Potential analysis of the high pressure die casting magnesium production facilities Optimisation and improvement implementation of audit results |











| Year | Country | Client | Components | Metal | Project Description |
|--------------------------------|---|-------------------------------------|--------------------------|---------------|--|
| 2002 | Austria  | Sela Beteiligungs-gesellschaft GmbH | Various | Iron Steel | Short audit Valfond Foundry Sadefa, Fumel/France |
| 2002 | United Kingdom  | Cast Metals Federation | | All | Cast Metals Statistics |
| 2001-2002 | Netherlands  | RMI Middelburg B.V. | Turbine Castings | Iron | Search for a strategic partner for RMI Middelburg |
| 2001-2002 2000-2001 2000 | Germany  | Hayes Lemmerz-Schenk GmbH | Automotive | Aluminium | Interim management high pressure die casting Management support sand and gravity die casting Management support production planning and AVRunning of a MMA to establish potentials of productivity increase as well as quantification of measures for a short-term increase in achievement in the HPDC foundry |
| 2002 2001 | France  | Manzoni Bouchot Holding | Various HPDC Castings | Aluminium | Strategic partner search – report Strategic partner search – shortening the mb automotive movie Strategic project |
| 2002 2001 | South Africa  | Murray & Roberts Foundries Ltd. | Various | Iron | Core shop efficiency improvement program at Autocast, Brits Technical liaison/ co-ordination role, project and interim management Supervision of furnace equipment dismantling and packing Foundry review |
| 2002 2001 | Germany  | Protektorwerk Florenz Maisch GmbH | | | Further introduction of basic data concerning time scheduling after planning of operation conditions by the customer Reorganisation of Sales and Marketing in Austria Short audit to localize potentials of improvement Re-organization of the courses and development of rationalization potentials Negotiations and support concerning the introduction of wage structures and work time systems Examination of weakest points – sales department office duties and external duties |
| 2002 2001 | Mexico  | Rassini Frenos S.A. de CV | Brake Discs | Iron | Audit of foundry Productivity improvement analysis, incl. audit of melding department |
| 2002 2001 | Malaysia  | Topjaya Engineering SDN HD | | Iron | SIRIM Project – extension of consultancy service Consultancy services for tender evaluation and review equipment Specifications for a foundry project |

| Year | Country | Client | Components | Metal | Project Description |
|--------------------------------|---|--|---|---------------------|---|
| 2002 2001 | Belgium  | Campine | | | Bonus for successful reduction of costs Concept of realization, audit of maintenance, conception laboratory and analysis of packaging and pouring in, multi-moment registration, potential audit Temporal management, support during the realisation project |
| 2002 2001 | United Kingdom  | Cosworth Technology Ltd. | Engine blocs Cylinder heads | Aluminium | Foundry audit and improvement program Potential audit |
| 2002 2001-2002 2000-2001 | Germany  | Piel & Adey GmbH & Co. KG | Various | Aluminium Bronze | Due diligence Interim management. Interim management toolmaker's shop Technology and logistic audit work out of a course plan for the plant and processes of the location Solingen |
| 2002 2001 1997 | Belgium  | Picanol NV | Textile Industry Castings | Iron | Market research and strategy review for castings Preparation of business plan, operational audit, look for a third party for sale or partnership, operational improvement program for Proferro Market research and strategy review for castings |
| 2002 2000 | USA  | East Jordan Iron Works | Municipal Castings | Iron | Visit during IFAT-Show European market study Support for the acquisition of an Irish street casting foundry Evaluation for the supplying with street castings by European foundries |
| 2002 2000 | Germany/United Kingdom   | Ford Motor Company | Cylinder Heads | Aluminium | Consultancy Services – SPE Support for the Campsie cylinder head foundry |
| 2002 1999-2000 | Germany  | Demag Ergotech GmbH, Gießerei Jünkerath | Plastic Mould Injection Machine Castings | Iron | Search for a strategic partner |
| 2002 1999 1990 | United Kingdom  | Georg Fischer Lincoln Ltd. | Truck Parts | Iron | Increasing Performance of LM2 horizontal Moulding Line Optimisation layout core making shop Market study, Review of facilities |
| 2001 | Russia  | ZAO Kraneks | Excavator parts | Steel | No-bake moulding plant and sand regeneration plant. Gemco designed, manufactured, installed and commissioned a no-bake moulding line and sand regeneration line. The sand line has a capacity of 10 tons/hr. |
| 2001 | The Netherlands  | LF Found3 | Heat exchanger | Aluminium | Turnkey Lost Foam Foundry – Gemco designed and supplied an expandable moulding line to 40 flasks per hour. Turnkey project comprises lost foam casting technology, foundry design, engineering, supply of all equipment, installation and commissioning of the complete foundry. |

| Year | Country | Client | Components | Metal | Project Description |
|------|--|------------------------------------|---|-------------------|---|
| 2001 | Mexico  | Rassini Frenos Planta II | Brake discs | Grey Iron | Manufacturing Facility Optimisation Analysis. The project consisted of an in-depth process study of the existing facilities and complete examination of the conditions of the existing equipment with a final recommendation for a process expansion program. In cooperation with Knight Wendling. |
| 2001 | Spain  | Fagor Urribarri | Brake discs | Grey/Ductile Iron | A Business Plan that included a concept-engineering and Feasibility Analysis of an existing automotive foundry in Spain. The project consisted of an in-depth process study of the new facility and complete examination of the conditions of some existing equipment that will be relocated to the new foundry. |
| 2001 | Egypt  | | Establishment of foundry training institute | Iron & Aluminium | In depth analysis of foundry requirements for professional operator and staff training. Preparing proposals for expert foundry training institute, incorporating existing facilities in Egypt. |
| 2001 | Egypt  | Egyptian Foundry Industrial Sector | Full range of casting components | Grey/Ductile Iron | Manufacturing Facility Optimisation Analysis. The major project content consisted of an in-depth process study of 10 existing Egyptian foundry facilities and complete examination of the conditions of the existing equipment with a final recommendation for upgrading. |
| 2001 | Hungary  | Weslin Automotive Industries Inc. | Exhaust manifolds Turbo-housings | Ductile Iron | Turnkey Sand Preparation Plant - Gemco designed and supplied a 200 tons per hour green sand system with two vacuum cooling mixers. The responsibilities covered the full design and detail engineering, project management, all affiliated electrical controls, supply, installation and commissioning of the green sand plant and the sand conveyor belt systems. |
| 2001 | The Netherlands  | Brabant Alucast | Engine components | Aluminium | Project management and detail engineering, supervision of installation of all the process equipment for an existing automotive foundry. The extension project comprises a complete High pressure die cast cell (2500 t) with melting, robotics, and auxiliary systems |
| 2001 | Germany  | Buderus Guss | Brake discs | Grey Iron | Project management and engineering, supervision of installation of all equipment for a Greenfield automotive foundry. |
| 2001 | Spain/Brazil  | Fagor Ederlan | Steering knuckles | Grey/Ductile Iron | A Business Plan that included a pre-engineering and feasibility study of restructuring an existing foundry in Brazil. The project consisted of an in-depth process study of the existing facility and complete examination of the conditions of the existing equipment with a final recommendation for restructuring. |
| 2001 | Switzerland  | Algroup Alusuisse Group AG | Chassis Parts | Aluminium | Casting procedure analysis for chassis parts |
| 2001 | Germany  | Al Handel | | Aluminium | Assessment of a pressure die casting foundry in Russia regarding western European standards |

| Year | Country | Client | Components | Metal | Project Description |
|------|---|---------------------------------------|--------------------|------------------------|--|
| 2001 | Norway  | Hydro Aluminium Automotive Structures | Automotive | Aluminium | Automotive aluminium foundry study Europe |
| 2001 | France  | Investissement Québec, Bureau Europe | Automotive | Aluminium Magnesium | Business meetings arrangements |
| 2001 | Germany  | Jost-Werke GmbH & Co. KG | Wheels | Iron | Strategic procuring of castings for fifth wheels |
| 2001 | Germany  | AZ-Armaturen GmbH & Co. KG | Valves Fittings | Steel | Technical layout planning of the "experimental foundry" |
| 2001 | Germany  | Bleichert Förderanlagen GmbH | | | Process optimisation and increase in performance in organization, production and construction, development of rationalization potentials |
| 2001 | Czech Republic  | Nemak | Cylinder Heads | Aluminium | Pre-feasibility study of a new aluminium cylinder head foundry in CZ |
| 2001 | USA  | Precision Rolled Products, Inc. | Rolling Castings | Steel | Time management, set-up process, measures |
| 2001 | Ireland  | Cavanagh Foundry Limited | Municipal Castings | Iron | Feasibility study, foundry extension |
| 2001 | Switzerland  | Ruag Aerospace | Aerospace Castings | | Temporal quality management in the business sector |
| 2001 | Germany  | Sysma Metallguss | Various | Aluminium | Management support |
| 2001 | France  | Valfond St. Dizier | Engine Blocs | Iron | Planning of foundry restructuring with a new production spectrum |

| Year | Country | Client | Components | Metal | Project Description |
|---------------------------|--|--|---|------------------------|---|
| 2001 | Switzerland  | Von Roll Infratec Holding AG | Various | Iron | Market strategy |
| 2001 | Germany  | Wagon Automotive Central Europe | Structure Parts | Aluminium Magnesium | Running of a technology and market analysis |
| 2001 | Austria  | Voest-Alpine Eurostahl | Gas and Steam Turbine Parts | Steel | Strategy study |
| 1999-2001 | Germany  | Alcoa Europe Automotive Castings & Finished Extrusions | Structure Parts | Aluminium | Planning of a flexible aluminium melting plant to extend the pressure die casting activities |
| 2001 2000 1995-1996 | Brazil  | Tupy SA | Engine Blocs Crankshafts Fittings | Aluminium Iron | Feasibility study for the aluminium cylinder head production Productivity Review Cost reduction, benchmarking, strategy, production optimisation |
| 2001 1999-2000 | Germany  | Metallwerke Harzgerode GmbH | Various | Aluminium | Support in production and quality for the gearbox production Quality assurance Detailed potential analysis die casting (2 locations) |
| 2001 1996 | Switzerland  | Von Roll | Rail Army Turbine | Steel | Management of the quality assurance department, organization of the official acceptance, preparation of an audit, collaboration with the CAQ-team Potential audit, strategic positioning |
| 2000 | Russia  | SOEZ Avtodetail Samara | Intake manifolds | Aluminium | Turnkey supply, engineering and supervision of the installation of a Gemco Pilot Castline for aluminium production in Lost Foam. Vibration capabilities: Horizontal and vertical with linear and circular movement. Product development of intake manifold lost foam technology transfer. |
| 2000 | France  | PSA Peugeot – Citroen | Cylinder heads | Aluminium | Turnkey supply, engineering and supervision of the installation and integration of a Gemco compaction system for existing aluminium production in Lost Foam plant. Vibration capabilities: Horizontal and vertical with linear and circular movement. Integration in existing operating facilities. |
| 2000 | Germany  | Buderus Guss | Brake discs | Grey Iron | Pre-engineering Study was required to acquire all the necessary governmental licensing for building and environmental permits (BImSchG). |

| Year | Country | Client | Components | Metal | Project Description |
|------|--|--|---|-----------------------------|---|
| 2000 | USA  | Metal Technologies, Inc. | Small engine components | Ductile Iron | Update of Business Plan, which included a Pre-engineering and Feasibility Analysis for a turnkey foundry project in Alabama. |
| 2000 | Hungary  | Weslin Automotive Industries Inc. | Exhaust manifolds Turbo-housings | Ductile Iron | Project management and detail engineering, supervision of installation of a complete dedicated product line for exhaust systems. The Greenfield project (total investment 75 mIn Euro) comprises office block, machining facilities and highly automated foundry. The foundry design is with special attention to efficiency, automation and environment. |
| 2000 | Russia  | OZMM | Heavy steel castings for mining equipment | Carbon Steel | Turnkey supply and detail engineering, supervision of installation of equipment, and commissioning of a No-bake moulding plant. The project also included the installation of a sand reclamation plant and pneumatic sand transport system. |
| 2000 | Belgium  | Montefiore | Heavy steel castings | Non-ferrous Stainless Steel | Turnkey supply, engineering installation start up of a flexible no-bake moulding system. The system is capable to produce 10 moulds/hr with flexible mould sizes. The pouring area is built for multi-metal transport and handling. |
| 2000 | Mexico  | Rassini Frenos Planta II | Brake discs | Grey Iron | Turnkey Sand Preparation Plant - Gemco designed and supplied 120 tons per hour green sand system with all the related sand conveying system. The responsibilities covered the full design and detail engineering, project management, supply, installation and commissioning of green sand plant and sand conveyor belt systems and dedusting systems. |
| 2000 | USA  | General Motors Advanced Development Laboratories | Blocks and heads | Aluminium | Engineering and supervision of the installation of a Gemco Castline for aluminium production in Lost Foam (8 flasks per hour) for product development. This plant supports three different sand types in one sand closed-loop system. |
| 2000 | Germany  | Adtranz Daimler Chrysler Rail Systems | | | Coaching Quality Management |
| 2000 | Germany  | BBS Kraftfahrzeugtechnik AG | Wheels | Aluminium | Foundry potential analysis with development of possibilities to optimise processes and rationalisation |
| 2000 | Switzerland  | Bülachguss AG | Machine Industry Castings | Iron | Market study USA |
| 2000 | Germany  | Busch GmbH & Co. KG | Truck Brake Drums and Discs | Iron | Rationalization of the existing Secondary Treatment of raw castings New strategic arrangements of the manufacturing process |

| Year | Country | Client | Components | Metal | Project Description |
|------|---|---|------------------------------|------------------------|--|
| 2000 | South Africa  | CiscaStreet Associates (Murray & Roberts Foundries) | Various | Iron Aluminium | Foundry Industry Benchmark |
| 2000 | Italy  | FATA Aluminium | | Aluminium | Market study aluminium foundry industry in Germany and Scandinavia |
| 2000 | Germany  | Georgsmarienhütte GmbH | Various | Iron | European market study for steel castings (AEK-Interform, Herzberg) |
| 2000 | Germany  | F.W. Hempel | | | Optimisation of production process |
| 2000 | United Kingdom  | IMI Yorkshire Fittings Ltd. | Fittings | Brass Bronze | Search for strategic partner |
| 2000 | Germany  | Audi AG | Body Parts | Aluminium Magnesium | Extension of prototype foundry in Ingolstadt |
| 2000 | Germany  | Kolbenschmidt Pierburg AG | Intake Manifolds | Aluminium Magnesium | Foundry audit and future concept to achieve cost reduction potential |
| 2000 | Germany  | Kulkoni Industrial Supplies GmbH | Various | Steel | Contact project for investment casting foundries in Europe |
| 2000 | Germany  | LuK Fahrzeug Hydraulik GmbH & Co.KG | Clutch and Steering Castings | Aluminium | Architectural engineering Consultancy in connection with quality problems with aluminium high pressure die castings Make or Buy Pre-engineering |
| 2000 | Italy  | Tecflam | SF6-Castings | Aluminium | Management coaching |
| 2000 | Germany  | Thyssen Umformtechnik & Guss GmbH | Various | Aluminium Iron | Search for strategic foundry partners for the mechanical engineering sector and the energy-technology sector |









| Year | Country | Client | Components | Metal | Project Description |
|-----------|---|---|------------------------|----------------------------|---|
| 2000 | Germany  | VDG Verein Deutscher Gießereifachleute | All | Iron Non-ferrous metals | Market analysis of casting consumers in Germany |
| 2000 | Germany  | Walter Hundhausen GmbH | Automotive | Iron | Market strategy for the steel foundry AEK InterForm GmbH |
| 2000 | Hungary  | Weslin | Exhaust Manifolds | Iron | Planning and engineering of the core shop (in cooperation with Gemco, NL) |
| 2000 | United Kingdom  | Westley Ltd. | Various | Bronze | Interim management |
| 2000 | Netherlands  | Vostermans B.V. | Air Conditioning Parts | Aluminium | Interim management Strategy project |
| 2000 | Germany  | Krupp VDM | | | Potential audit, elaboration of a concept of realisation and optimisation |
| 1999-2000 | Germany  | Eisenwerk Martinlamitz GmbH | Various | Iron | Short audit: assessment of the status quo, search for a strategic partner |
| 1999-2000 | France  | Fonderie d'Autun | Radiator Clutch Plates | Iron | Engineering assistance with capital investment |
| 1999-2000 | Germany  | Georg Fischer GmbH | Intake Manifolds | Aluminium | Management support. Site location study |
| 1999-2000 | Germany  | HWS Heinrich Wagner Sinto Maschinenfabrik | | | Potential audit at Mecana S.A., Schmerikon, CH |
| 1999-2000 | Germany  | Koenen & Regel GmbH & Co. Edelstahlgießerei | Various | Iron | Establishing a concept for the future of the company Time management |



| Year | Country | Client | Components | Metal | Project Description |
|--|---|--|--------------------------------|-----------|---|
| 1999-2000 |  Germany | Hüttenes-Albertus Chemische Werke GmbH | | | Analysis of the market entrance |
| 1999-2000 |  Germany | Gebr. Kemper GmbH & Co. KG | Valves Fittings | Brass | Re-engineering of the secondary treatment of castings and optimisation of the smelting process |
| 1999-2000 |  Germany | Georg Fischer GmbH | Chassis Parts | Aluminium | Strategic development – Feasibility study – Site location study |
| 1999/2000 |  Germany | AEK-Interform | Exhaust Manifolds | Iron | Factory management support Interim management, project tasks “New Parts” |
| 1999-2000 1999 |  Germany | Willi Pflitsch Metall-Druckgusswerk | Various | Aluminium | Construction of a new HPDC foundry in Marienhagen Feasibility study: location of the extended die casting works |
| 1999-2000 1998-1999 1998 1995 1994 1990 |  Austria | Voest Alpine Stahl Linz GmbH | Gas and Steam Turbine Castings | Steel | Strategic partner search Interim management Potential audit and examining customers Total restructuring Restructuring of foundry Traisen Principles of the F&E-management |
| 2000 1999 1998 1997 |  Germany | Rautenbach AG | Cylinder Heads | Aluminium | Evaluation of the economic efficiency about sand generation Examination of the product-calculations New payment system Project management for investment core shop Purchase audit Personnel audit core shop “Cylinder head production”, reflection of economic efficiency, own core production for foreign allocation, cost list and possibilities to implementation Short audit of the conception to investment decision core shop of the VW Al-cylinder head production |
| 1998-2000 |  Germany | W.&W. Schenk GmbH & Co. KG | Transmission Steering Parts | Aluminium | Potential audit Finance and business plan with liquidity forecast, strategic planning, cost calculation system and development of a new product calculation Management support Coaching/ Support of the production management Management support production planning |
| 1998-2000 |  United Kingdom | Baxi Partnership | Heat Exchanges Brake Discs | Iron | Strategic review of iron foundry, new possibilities for products Search for a strategic partner Feasibility study foundry Soissons/F and Potterton/UK |

| Year | Country | Client | Components | Metal | Project Description |
|-----------|---|--|---------------------------------|-------------------|---|
| 1998-2000 | United Kingdom  | Transtec Automotive plc | Cylinder Heads | Aluminium | Review of a possible partnership, feasibility study Strategic review of gravity die casting foundries in Europe Market survey in Czech Republic and Poland Engineering assistance in the cylinder head gravity die casting foundry Production optimisation of a foundry for cylinder head castings in Ireland |
| 2000 | Germany  | Kolbenschmidt Aluminium-Technologie AG | Engine Blocks Cylinder Heads | Aluminium | Potential audit |
| 1998-1999 | | | | | Reconstruction low pressure die casting foundry, authorisation |
| 1998 | | | | | Location development KS-ATAG |
| 2000 | Germany  | Gustav Pleissner GmbH | Various | Iron | Short audit |
| 1995 | | | | | Quality assurance audit, Potential audit, new foundry structure |
| 2000 | Germany  | Honsel-Werke AG | Automotive and Rail Castings | Aluminium | New business strategy for aluminium sand foundry Problem analysis die cast Measure to increase efficiency (die cast, moulding preparation) Analysis aluminium casting, logistic work flow optimisation |
| 1995 | | | | | |
| 1992 | | | | | |
| 1991 | | | | | |
| 2000 | Germany  | Klein, Schanzlin & Becker AG | Pumps Valves | Iron Steel | Site location projects with Valfond in Luxembourg and AFE in France |
| 1993 | | | | | New foundry: design |
| 1999 | USA  | Precision Castparts Corporation | Heavy steel castings | Carbon Steel | A Business Plan, which included a Pre-engineering and Feasibility Analysis for a Greenfield steel foundry in Central Europe. |
| 1999 | Canada  | Wecast Industries Inc. | Exhaust manifolds | Grey/Ductile Iron | Pre-Engineering and Feasibility Analysis for a Greenfield foundry in Hungary. |
| 1999 | Egypt  | Greater Cairo Foundries | Pipe fittings | Grey/Ductile Iron | Manufacturing Facility Optimisation Analysis. The major project content consisted of an in-depth process study of the existing foundry facility and complete examination of the conditions of the existing equipment with a final recommendation for upgrading. |
| 1999 | Denmark  | Valdemir Birn A/S | General engineering components | Grey/Ductile Iron | Analysis Study of Casting Handling & Finishing Process Area. Both the foundry process and the logistics were analysed to determine the recommendations for improving the capacity. |
| 1999 | Germany  | Neue Harzer Werke | General engineering components | Grey/Ductile Iron | Detail engineering, supply, installation and commissioning of a charge make-up and 4 tons per hour melting plant. |
| 1999 | Mexico  | Rassini Frenos | Brake discs | Grey Iron | Pre-engineering Study for an expansion and optimisation program for the production of brake discs. |











| Year | Country | Client | Components | Metal | Project Description |
|------|---|---|---|------------------------------------|--|
| 1999 | Germany  | Eisenwerk Brühl | Engine blocks | Grey Iron | Turnkey supply, design engineering and commissioning of a green sand / core sand reclamation plant system Gemco. The recycled sand will be used for production of cores (also water jacket). |
| 1999 | Egypt  | ABD Modern Foundries | General engineering components | Grey/Ductile Iron Alloyed Steel | Green Sand Plant Optimisation Report. The major project content consisted of an in-depth process study of the existing foundry facility and complete examination of the conditions of the existing equipment with a final recommendation for upgrading. |
| 1999 | Germany  | Eisenwerk Brühl | Engine blocks | Grey Iron | Pre-engineering Study for automatic fettling line. |
| 1999 | Germany  | Trützschler GmbH & Co. KG | Textile Machine Castings | Iron | Search for a strategic partnership for Fundação Trützschler Ltda., Brazil |
| 1999 | United Kingdom  | BP Chemicals Ltd./ Development Agency Welsh | Various | Iron Aluminium | Business plan for iron foundry review Aluminium foundry project – site marketing strategy |
| 1999 | Germany  | DaimlerChrysler AG | Cylinder Heads Engine Blocks Flywheels Truck Axles | Iron | Process optimisation of cylinder head and engine bloc production for trucks, transporters and passenger cars |
| 1999 | United Kingdom  | Deloitte & Touche | Various | Iron | Sale of Springvale Foundry, Belfast |
| 1999 | Germany  | Didier-Werke AG | | | Turnaround Management, DSIPC Breuillet, France |
| 1999 | France  | Format SA | Various | Aluminium Magnesium | Market survey on aluminium and magnesium foundries in western Europe |
| 1999 | Austria  | Georg Fischer AG | Steering Housings Differential Cases | Aluminium Iron | Measures to secure the productivity and the result of the aluminium foundry, feasibility study, interim management Maintenance optimisation |
| 1999 | Netherlands  | Dutch Ministry of Economics | | Aluminium Iron Steel | Benchmark into various foundries and engineering companies |



| Year | Country | Client | Components | Metal | Project Description |
|--------------|---|----------------------------------|-----------------------------|-------------------|---|
| 1999 | Germany  | Lafarge Braas GmbH | Roof Fabrication Castings | Aluminium | Valuation of foundry Heusenstamm |
| 1999 | Netherlands  | Thomassen | Turbine Parts | Iron | Search for a strategic partner foundry Middelburg |
| 1999 | Austria  | Ventana | Forgings | Iron | Short analysis – ESTAMFOR |
| 1999 | Germany  | Weigl Metalltechnik GmbH | | Aluminium | Study for the business plan M&A-project |
| 1999 | Switzerland  | Similor S.A. | Taps | Brass | Potential analysis |
| 1999 | Germany  | Mannesmann Sachs AG | Forgings Automotive a.o. | Aluminium Iron | Strategic positioning of the business unit "Umformtechnik" |
| 1999 | Germany  | Kessler & Luch | | Aluminium Iron | Development of a market approach concept to reinforce the sales division of the ventilation technology sector |
| 1999 | Germany  | Alu-Diehl GmbH&Co. | Various | Aluminium | Search for a partnership candidate |
| 1999 1998 | United Kingdom  | F.E. Mottram Ltd. | | Aluminium | Business plan for aluminium recycling plant Smelter feasibility review Feasibility study melting plant |
| 1999 1998 | United Kingdom  | Sheffield Forgemaster Group Ltd. | Castings and Forgings | Iron | Engineering assistance at Fonderie d'Autun Examination for acquisition of a French foundry |
| 1999 1998 | Germany  | Stockey & Schmitz GmbH & Co.KG | Brake Drums | Iron | Interim management Feasibility study: new vertical moulding plant Short audit Analysis of the administration |

| Year | Country | Client | Components | Metal | Project Description |
|-----------|---|----------------------------------|---------------------------------|--------------|---|
| 1999 | United Kingdom | Hepworth PLC | Heating | Iron | Foundry strategy review |
| 1998 |  | | | | Performance improvement and strategy review |
| 1999 | Germany | Georg Fischer Automobilguss GmbH | Chassis Parts | Iron | Detail engineering of a new moulding plant, authorisation |
| 1998 |  | | | | Feasibility study "New moulding plant" |
| 1993 | | | | | Different projects: strategic planning, detail engineering, product mix optimisation etc. for automotive castings |
| 1999 | Hungary | VAW aluminiumtechnika Kft | Cylinder Heads | Aluminium | Checking of the planned installations |
| 1996-1997 |  | | | | Construction consulting New foundry planning and implementation, joint venture Feasibility study, planning of the outdoor plants |
| 1999 | Germany | Eschweiler Bergwerksverein | Various | Iron | Systematic search for a strategic partnership for the AEK-Interform GmbH |
| 1996-1997 |  | | | | Potential audit of the 3 HGZ-foundries, implementation of the measures for restructuring and improvement |
| 1999 | Switzerland | Aluminium Menziken AG | Aerospace Castings | Aluminium | |
| 1993 |  | | | | Different projects: sand casting, heat treatment |
| 1999 | Germany | BMW | Cylinder Heads | Aluminium | Comparison of technology for core production methods |
| 1991 |  | | | | Plant expansion: design, detail engineering |
| 1999 | United Kingdom | Lister-Petter Ltd. | Engine Blocks Cylinder Heads | Iron | Strategic evaluation |
| 1997 |  | | | | Strategic review |
| 1998 | Germany | Georg Fischer Leipzig | Crank shafts Cam shafts | Ductile Iron | Engineering assignment for a charge make-up and melting plant of 20 tons per hour that included a fume extraction cleaning system and all civil requirements. |
| 1998 | Germany | Christian Helbling GmbH | General engineering components | Steel | Turnkey No Bake foundry – Gemco design and supplied project management and detail engineering, supervision, supplied and the installation and commissioning of a No-bake moulding plant. |
| 1998 | Netherlands | VPF | General engineering components | Ductile Iron | Manufacturing Facility Optimisation Analysis. The major project content consisted of an in-depth process study of the existing Sand Handling Plant and the complete examination of the conditions of the existing equipment with a final recommendation for upgrading. |
| |  | | | | |

| Year | Country | Client | Components | Metal | Project Description |
|------|---|--|---|--------------------|--|
| 1998 |  | Remeha | Heat exchangers | Grey Iron | Manufacturing Facility Optimisation Analysis. The major project content consisted of an in-depth process study of the existing foundry facility and complete examination of the conditions of the existing equipment with a final recommendation for upgrading. |
| 1998 |  | Globe Belfeld | Heavy construction equipment components | Grey Iron | Detail engineering for an upgrade No-bake sand reclamation system. |
| 1998 |  | Nijhuis Pompen | Pump housings and irrigation castings | Iron/Special Alloy | Turnkey No Bake Foundry – Gemco design and supplied project management and detail engineering, supervision, supplied and the installation and commissioning of a No-bake moulding plant. |
| 1998 |  | Veekayen | Railway components | Steel | Detail engineering and turnkey supply of a No bake moulding line for production of steel components for the railway industry in India. |
| 1998 |  | Daimler Benz AG | Ventilated Brake Discs | Iron | Feasibility study: Moulding plants in the grey iron foundry; Summary of the strategic arrangement |
| 1998 |  | DaimlerChrysler AG | Ventilated Brake Discs | Iron | Realization of investment “Concept 2000 plus” |
| 1998 |  | EGS Group | Various | Iron | Technical valuation of 3 foundries |
| 1998 |  | Eisengießerei und Maschinenfabrik Keulahütte | Various | Iron | Feasibility study “New Moulding Plant” and short review of the business strategy |
| 1998 |  | Deutsche Babcock BLK Giesserei GmbH | Power Station Castings | Iron | Foundry audit with main emphasis |
| 1998 |  | Kvaerner IMGB | Offshore Castings | Steel | Market study ingot and heavy castings, feasibility study for renovation of foundry |
| 1998 |  | Laycast Ltd. | Automotive | Iron | Machining feasibility study |

| Year | Country | Client | Components | Metal | Project Description |
|------|---|-------------------------------------|---|------------------------------|--|
| 1998 | United Kingdom  | Lloyds Burton Alloys | Stainless Centrifugal Tubes | Steel | Management support, M & A |
| 1998 | USA  | Lucas Varity | Brake Parts | Iron | Foundry study |
| 1998 | Germany  | Mannesmann Rexroth AG | Hydraulic Castings | Iron | Potential audit in cast machining |
| 1998 | Switzerland  | Metalyss AG | Taps | Aluminium Brass Copper | Short audit of production |
| 1998 | Germany  | Rittinghaus Systemtechnik GmbH | Taps | Aluminium Brass | Feasibility study new HPDC foundry Potential audit to optimise the MS foundry and to coach the operative implementation |
| 1998 | Germany  | Saarmetall | Various | Copper | Product strategy |
| 1998 | United Kingdom  | Mackie International Group | Municipal Castings | Iron | Operational performance in iron foundry |
| 1998 | Germany  | Siempelkamp Giesserei GmbH & Co. KG | Nuclear Castings Heavy Static Engine Blocks | Iron | Site location study USA |
| 1998 | USA  | Teledyne | Various | Iron | Valuation and improvement of sand circulation |
| 1998 | Austria  | VAW mandl&berger GmbH | Cylinder Heads Engine Blocks | Aluminium | Planning and supervision TGA, project management and technical support |
| 1998 | Switzerland  | Von Roll Infratec Holding AG | Various | Iron | Feasibility study "Phönix" |

| Year | Country | Client | Components | Metal | Project Description |
|-----------|---|--|-----------------------|------------------------|--|
| 1998 | Switzerland  | Von Roll Management AG | Automotive | Aluminium Magnesium | Market study Al/Mg-castings Europe |
| 1998 | USA  | Emerson Electric Co. | Electric Applications | Iron | Valuation "Greenfield"-Foundry Mexico |
| 1998 | Germany  | Schweizer & Weichand GmbH | Various | Aluminium | Feasibility study to the expansion of die casting Detail engineering |
| 1998 | United Kingdom  | Blue Circle Industries | Radiators | Iron | Disposal of French iron foundry |
| 1997-1998 | USA  | CT-South, Inc. | Various | Iron | Management training and support |
| 1997-1998 | Germany  | Harzer Graugusswerke GmbH (EBV) | Automotive | Iron | Supplementing project "Turnaround Management" |
| 1996-1997 | | | | | Potential audit, restructuring, improvements Interim Management |
| 1997-1998 | Canada/ USA  | Crane Company USA Crane Company CAN | Valves Fittings | Iron Brass | Technical valuation and review of 3 foundries Operating assistance and scrap reduction |
| 1995 | | | | | |
| 1998 | Germany  | Sachs Gießerei GmbH | Automotive Castings | Iron | Purchase conference "Export" |
| 1997 | | | | | Operative implementation of the new arrangements Potential audit and work out for the future arrangements |
| 1998 | Germany  | Eisengießerei Tangerhütte GmbH | Valves Pumps | Iron | Modernization and rationalization of the core shop Interim Management |
| 1997 | | | | | BimSchG procedure of approval |
| 1998 | Germany  | Dieckerhoff (EBV) | Exhaust Manifolds | Iron | Catalogue of measures "Moulding Sand" and "Moulding Sand Conditioning" |
| 1997 | | | | | Measures for reduction of finings Implementation of measures for improvement |
| 1996 | | | | | Potential audit, management support Potential audit, restructuring, measures for improvement |

| Year | Country | Client | Components | Metal | Project Description |
|------|---|-------------------------|--------------------------------|----------------|---|
| 1998 | Germany | Flender Guss GmbH | Various | Iron | Competitor analysis foundries |
| 1996 |  | | | | Market study of foundries in Poland |
| 1995 | | | | | Potential- and strategy study, production optimisation |
| 1998 | Germany | R. Woeste GmbH & Co. KG | Fittings | Malleable Iron | Feasibility study: planning of batch sand plant Substitution of malleable iron by nodular iron, process optimisation Process optimisation DISA/ substitution of malleable iron by nodular iron, process optimisation Working paper "Talking up of the nodular iron production"/ Substitution of malleable iron by nodular iron, process optimisation |
| 1998 | Germany | Heger Guss GmbH | Various | Iron | Increase of castings quantities due course changes in the hand moulding foundry job |
| 1995 |  | | | | Short potential study |
| 1994 | | | | | Short audit "Strength" |
| 1997 | Mexico | Rassini Frenos | Brake discs | Grey Iron | Turnkey Foundry – The major project responsibilities covered the full design and detail engineering, project management, supplied all affiliated electrical controls, supervision of installation and commissioning of a Greenfield automotive foundry facility. |
| 1997 | Mexico | Rassini Frenos | Brake discs | Grey Iron | Turnkey Sand Preparation Plant - Gemco designed and supplied 40 tons per hour green sand system with all the related sand conveying system. The responsibilities covered the full design and detail engineering, supply, installation and commissioning of green sand plant and sand conveyor belt systems. |
| 1997 | England | Darcast Components Ltd. | Cam shafts | Ductile Iron | Turnkey Melt Plant - Gemco designed and supply the engineering, supervision for the installation, commissioning and project management of a charge make-up system and melting plant system for 24 tons per hour. The project also included fume collection cleaning system. |
| 1997 | Indonesia | Pt. Hanco | General engineering components | Steel | Turnkey Foundry that included project management and detail engineering, supervision of installation of equipment, and commissioning of a No-bake moulding plant. The project also included the installation of a sand reclamation plant and pneumatic sand transport system. |
| 1997 | Mauritania | SAFA | Mining components | Steel | Turnkey No Bake foundry – Gemco design and supplied project management and detail engineering, supervision, supplied and the supervision of installation and commissioning of a No-bake moulding plant. |
| 1997 | Netherlands | Rademakers | General engineering components | Ductile Iron | Technical survey for the production of ductile iron. |
| 1997 | Vietnam | Hongai | General engineering components | Grey Iron | Detail engineering, supply, installation and commissioning of 3 tons per hour green sand reclamation plant. |

| Year | Country | Client | Components | Metal | Project Description |
|-----------------------------------|---|-----------------------------|---|---------------|---|
| 1997 | India  | Besco Ltd. | Various | Steel | Equipment search and validation |
| 1997 | Germany  | Elexis Elektroholding GmbH | | | Market study USA for electric induction furnaces and heat treatment plants |
| 1997 | United Kingdom  | Lucas Varity Aerospace | Aerospace Castings | Aluminium | Review of casting supply sources in Indonesia |
| 1997 | United Kingdom  | Richards Engineering, Inc. | | | Valuation of the market chances for foundry equipments in China |
| 1997 | Germany  | Chemienanlagen Stassfurt AG | Chemical Industry Castings | Iron | Short study "Melting department"; Short audit "Sales" |
| 1997 | Netherlands  | Vege b.v. | Cylinder Heads | Aluminium | Feasibility study: cylinder head casting LPT/ India |
| 1997 | Germany  | BGA | Various | Iron | Working out the strategic position of the Ruhrkohle AG |
| 1997 1996-1997 1996 1991 | Germany  | Erhard Armaturen | Valves, Pumps | Iron Steel | Sales- and marketing concept Logistic project: Planning of a hand moulding shop Improvement and stabilization of the modular iron production Combining two production plants |
| 1996-1997 | USA  | Ford Motor Company | Engine Blocks Crankshafts Brake discs | Iron | Best-practice study, iron castings, engine blocs, crankshafts, brake discs Benchmarking automotive castings |
| 1996-1997 | Germany  | Stockguss (EBV) | Piano Parts Wind Energy Castings | Iron | Potential audit, restructuring improvements Interim management |
| 1996-1997 | Switzerland  | ABB AG | | Steel | Market study arc furnaces |

| Year | Country | Client | Components | Metal | Project Description |
|-----------|--|---------------------------------|--------------------------------|-------------------|---|
| 1996-1997 | Germany  | BME-Gießerei | Various | Malleable Iron | Interim Management, Turnaround |
| 1996-1997 | Switzerland  | Von Roll Holding AG | Various | Aluminium | Strategic summary/ market study heavy iron castings |
| 1996 | | | | Iron | Project "Virgin" |
| 1997 | Germany  | Vereinigte Velberter Gießereien | Various Automotive | Iron | Feasibility study relocation E+W Guss GmbH |
| 1996 | | | | | Feasibility study Mittelmann-Foundry |
| 1997 | Switzerland  | Von Roll Gießerei Rondez AG | Municipal Castings | Iron | AWK-project |
| 1996 | | | | | Feasibility study "Swissco" |
| 1997 | Switzerland  | Von Roll S.A. | Tubes | Iron | Interim management Potential audit of foundry Voith, St. Pölten Short audit steel foundry France (AFT) Support Fonderie Giround SA, production support |
| 1995 | | | | | |
| 1997 | Germany  | Eisenwerk Brühl GmbH | Engine Blocs | Iron | Workshop: Worldwide Strategy |
| 1992 | | | | | Different projects: plant modernization, optimisation, logistics, design, detail engineering, strategic planning, site location analysis |
| 1996 | England  | Darcast Components Ltd. | Cam shafts | Ductile Iron | Analysis Report of Melting Facility. Both the foundry process and the logistics were analysed to determine the recommendations for improving the melting capacity. |
| 1996 | Germany  | Mercedes Benz | Automotive components | Grey/Ductile Iron | Detail engineering, supply, installation and commissioning of 9 tons per hour green sand reclamation plant. |
| 1996 | Germany  | Fritz Winter | Automotive components | Grey/Ductile Iron | Detail engineering, supply, installation and commissioning of 10 tons per hour green sand reclamation plant. |
| 1996 | Germany  | Eisenwerk Brühl | Engine blocks and heads | Grey Iron | Business Plan that included Pre-Engineering and Feasibility Analysis for a Greenfield foundry in China with a capacity of 1 mln blocks and heads. |
| 1996 | Germany  | Tweer | General engineering components | Grey/Ductile Iron | Detail engineering, supply, installation and commissioning of a charge make-up, melting & fume extraction filtration plant. |

| Year | Country | Client | Components | Metal | Project Description |
|------|---|--------------------------------|--------------------------------|-------------------|---|
| 1996 | Saudi Arabia  | National Foundry Company | Petro Chemical Industry | Ductile Iron | Turnkey Foundry – The major project responsibilities covered the full design and detail engineering, project management, supplied all affiliated electrical controls, supervision of installation and commissioning of a Greenfield foundry facility in Saudi Arabia. |
| 1996 | Italy  | Rassini Frenos | Brake discs | Grey Iron | Business Plan that included Pre-engineering and Feasibility Analysis followed by detail engineering for a turnkey automotive foundry project for the production of brake discs in Mexico. |
| 1996 | Netherlands  | Lovink Terborg B.V. | Gear pump housings | Grey Iron | Turnkey Lost Foam Foundry – Gemco designed, engineering, supply, installation and commissioning of an automatic Lost Foam moulding system. Capacity 40 flasks per hour. |
| 1996 | Nigeria  | Savannah Sugar | General engineering components | Grey/Ductile Iron | Detail engineering, supply, installation and commissioning of a spare parts foundry and workshop for the sugar industry. |
| 1996 | Germany  | Alumetall GmbH | Transmission Housing | Aluminium | Production optimisation, time of reset |
| 1996 | Australia  | Australian National Industries | Various | Iron | Comprehensive business strategy |
| 1996 | USA  | Baker Manufacturing Co. | Various | Iron | Iron foundry expansion master plan |
| 1996 | Brazil  | Companhia Siderurgica de Tuba | Various | Iron | Ingot mould foundry marketing, process and facility master plan |
| 1996 | USA  | Delphi Interiors and Lighting | Lighting | Magnesium | Magnesium die casting operations planning review |
| 1996 | USA  | Doehler Jarvis | Engine Blocs | Aluminium | Aluminium engine bloc process and facility design |
| 1996 | Germany  | Mercedes-Benz AG | Gear Castings | Iron | Process chain optimisation of the production of commercial vehicle gears |

| Year | Country | Client | Components | Metal | Project Description |
|------|--|--|-----------------------------|---------------------------------|--|
| 1996 | USA  | Ganton Technologies Inc. | Various | Magnesium | Magnesium die casting plant planning and design |
| 1996 | Yougoslavia  | General Motors Yougoslavia | Crankshafts | Iron | Short analysis of the actual situation |
| 1996 | Germany  | Georg Fischer GmbH | Truck Axles | Iron | Optimisation of the production |
| 1996 | USA  | Grede Foundry | Automotive | Iron | Sand system upgrade and maintenance |
| 1996 | United Kingdom  | Guest & Chimes Ltd. | Various | Iron | Benchmarking of foundry, Support for strategic review |
| 1996 | United Kingdom  | Meighs Ltd. | Continuous Castings | Aluminium Brass Magnesium | Overview "high integrity" of the non-ferrous casting market |
| 1996 | Germany  | Pose-Marre Edelstahlwerk GmbH | Centrifugal Stainless Tubes | Steel | Controlling instruments for security of the liquidity |
| 1996 | Germany/ Hungary  | VAW Aluminium | Cylinder Heads | Aluminium | New foundry planning and implementation, joint venture |
| 1996 | Germany/ Brazil   | Voith | Paper Machine Parts | Iron Steel | Potential audit, strategy of foundries, distribution strategy |
| 1996 | Germany  | Voith-Sulzer Papierfabrik GmbH/ Von Roll Holding AG, Gerlafingen | Paper Machine Parts | Iron | Feasibility study co-operation partner |
| 1996 | Germany  | Walzengießerei Meiderich GmbH | Cylinders | Iron | Production optimisation and wage systems in the treatment of cylinders |

| Year | Country | Client | Components | Metal | Project Description |
|-------------------|---|---------------------------------------|-------------------------|-------------------|--|
| 1996 | Germany  | Christian Winter | Valves Fittings | Iron | Investment Eisenwerke Tangerhütte GmbH (EWT) and MAW GmbH |
| 1996 | Switzerland  | Wolfensberger AG | Retarder Various | Iron Steel | Optimisation sand castings |
| 1996 | Albania  | PEM Düsseldorf | Various | Iron Steel | Situation analysis of ATK foundry in Tirana/ Albania |
| 1995-1996 | Germany  | J.M. Voith GmbH | Paper Machine Castings | Iron | Potential audit, earnings increase, management, strategy Market study Europe (heavy castings); Joint Venture contract |
| 1996 1995 | Germany  | Eisen- und Metallgusswerk GmbH | Electric Motor Housings | Aluminium iron | Management-assistance/ optimisation of the process Potential audit, strategy study, production of optimisation |
| 1996 1995 | Germany  | VAW Motor GmbH | Cylinder Heads | Aluminium | World-wide strategy for the automotive supply industry (cylinder heads and blocks) Basic and detail planning (reconstruction), China Joint Venture feasibility study |
| 1996 1994-1995 | Germany  | Pleissner Guss GmbH (EBV) | Various | Iron Steel | Optimisation nodular iron production, time business wage-foundry, mechanical production, interim management Potential- and strategy study, production optimisation, part time management, optimisation of malleable iron production |
| 1996 1994 | Germany  | Eisengießerei Gattermann GmbH | Various | Iron | Systems of payment, new-structuring Organization, increase of effectiveness, investment consulting |
| 1996 1994 | United Kingdom  | Crane Fluid Systems, Ipswich / USA | Valves | Iron Bronze | Assistance for the inspection and melting department Feasibility study about the production of valves made in bronze |
| 1995 | Malaysia  | HICOM Engineering | Automotive components | Grey/Ductile Iron | Feasibility Study for 10,000 tons per year foundry with an annexed machine shop facility. |
| 1995 | Mauritania  | SAFA | Mining components | Steel | Techno-economic Feasibility Study for the establishment of a foundry for production of spares for the mining industry. |

| Year | Country | Client | Components | Metal | Project Description |
|------|---|---|----------------------|-------------------|--|
| 1995 | South Africa  | Atlantis Diesel | Engine blocks | Cast Iron | Realization of castings cleaning operations. This project comprises engineering and design of shake out systems, decoring, deburring, cubing and robot handling of heavy diesel engine blocks. |
| 1995 | USA  | BTR Precision Die Casting | Various | Aluminium | Melt capacity study |
| 1995 | Germany  | Claas-Guss GmbH & co. KG | Various | Iron | Short potential study |
| 1995 | USA  | EMI Company | Various | Iron | Master planning for casting operation |
| 1995 | USA  | Esco Corp. | Various | Steel | Capital expansion assessment and evaluation |
| 1995 | Germany  | A. Friedrich Flender AG | Static Gear Castings | Iron | Program of sales increase, optimisation of production, optimisation of business processes, strategy, sales-/ management-audit |
| 1995 | France  | Fonderie d'Ussel | Aerospace Castings | Aluminium | Strategy for production optimisation |
| 1995 | Canada  | Ford Motor Company | Cylinder Heads | Aluminium | Aluminium cylinder head melting study |
| 1995 | USA  | Ford Motor Company | Engine blocs | Iron | Study "Returned Sand", Engine bloc study "Core shop" |
| 1995 | USA  | General Motors Corp. (Defiance Foundry) | Engine Blocs | Iron Aluminium | Engine block cleaning and finishing line Management support |
| 1995 | Germany  | John Deere Werke | Tractor Castings | Iron | Management by out – Personnel department |











| Year | Country | Client | Components | Metal | Project Description |
|------|--|-------------------------------|--------------------------------|-----------|--|
| 1995 | USA  | Kirsh Foundry | Various | Iron | Plant expansion: productivity improvements, plant layout, project management |
| 1995 | France  | Giroud SA (von Roll) | Various | Iron | Potential- and strategy study, production optimisation |
| 1995 | Brazil  | Asecita | Various | Iron | New foundry market and facility study |
| 1995 | Germany  | Mercedes-Benz AG | Valves | Steel | Optimisation of the valve production |
| 1995 | USA  | Nibco, Inc. | Fittings | Brass | Excess sand mixing for non-ferrous foundry |
| 1995 | USA  | Pemco Die Casting Corporation | Various | Aluminium | Plant expansion |
| 1995 | USA  | Prime Group, Inc. | Various | Steel | Steel foundry equipment cost estimate |
| 1995 | Austria  | Voest Alpine | Gas and Steam Turbine Castings | Steel | Potential- and strategy study, production optimisation |
| 1995 | Germany  | Voith Turbo GmbH | Retarder | Steel | Planning of the foundry in China |
| 1995 | Germany  | VW Gredus | Cylinder Heads | Aluminium | Project study |
| 1995 | Germany  | SHW | Various | Iron | Interim management |










| Year | Country | Client | Components | Metal | Project Description |
|--------------|---|---|--|---------------------|---|
| 1995 1994 | Germany  | Vautid-Verschleiss-Technik GmbH | Abrasive Castings | Steel | Short audit Purification of delivery power by solvent Czech steel foundries |
| 1995 1994 | Germany  | AWK Guss- und Armaturenwerke Kaiserslautern | Valves Fittings Municipal Castings | Iron | Integrated quality assurance according to ISO 9001/ ISO9002 – Improvement of quality Quality audit according to ISO 9001 |
| 1995 1990 | United Kingdom  | Hattersley Newman Hender Ltd. | Heating | Iron | Technical Assistance Foundry modernisation |
| 1995 1988 | USA  | Chrysler Corp. | Various | Iron Aluminium | Feasibility study "Planning of Core Shop" Study of complaints "Sand" |
| 1994 | United Kingdom  | Sheffield Forgemasters Ltd. | Castings and Forgings | Steel | Competitor analysis facility improvement, reduction program |
| 1994 | Germany  | Poppe & Potthoff GmbH & Co. | Fittings | Aluminium Copper | Chances and risks as well as strength and weakness analysis |
| 1994 | United Kingdom  | British Foundry Association | Various | All | "Foundry 2000" project |
| 1994 | Netherlands  | Doesburg Foundry BV | Various | Iron | Different market studies: Precision die cast, austenitic cast iron with nodular graphite; investment casting |
| 1994 | Germany  | EB-Präzisionsdruck GmbH | Engine Blocs | Aluminium | Project study |
| 1994 | Germany  | Georg Fischer Verkehrstechnik GmbH | Wheels | Aluminium | Feasibility study "Removal of wheel production" |
| 1994 | Netherlands  | Gieterij Doesburg | Various | Iron | Market study for investment castings |











| Year | Country | Client | Components | Metal | Project Description |
|------|--|---|--------------------------|-------------------|--|
| 1994 | Germany  | Heidenreich & Harbeck GmbH | Various | Iron | Short audit |
| 1994 | United Kingdom  | Industrial Development Board for Northern Ireland | Cylinder Heads | Aluminium | Consultancy services aluminium cylinder heads for Transtec plc. |
| 1994 | USA  | John Deere & Company | Offroad Tractor Castings | Iron | Scrap reduction, foundry technical assistance |
| 1994 | Community of Independent States  | Kadalaksha Primary Aluminium Smelter | | Aluminium | Technical and consultancy services for environmental audit |
| 1994 | USA  | Kiowa Corporation | Various | Aluminium | Scope development for die casting plant expansion project |
| 1994 | Germany  | Bergische Achsenfabrik Fr. Kotz & Söhne | Truck Brake Drums | Iron | Naming of foundries for the procurement of castings |
| 1994 | France  | Le Creuset | Household castings | Iron | Scrap reduction (audit) |
| 1994 | Germany  | Mercedes-Benz AG | Truck Axles | Iron | Technical support, quality assurance |
| 1994 | France  | Sambre et Meuse | Various | Steel | Product range rationalisation and future project strategy |
| 1994 | Germany  | L. Paul Schmidt Stahlgusswerk | Various | Steel | Preliminary examination, requirement of liquidity in case of closing |
| 1994 | United Kingdom  | Scottish Enterprise Tayside | Various | Aluminium Zinc | Market study for Taylor Group Castings |

| Year | Country | Client | Components | Metal | Project Description |
|------|---|---------------------------------|------------------------|-----------|--|
| 1994 | USA  | Tyler Pipe Company | Pipes | Iron | Cleaning and finishing department layout |
| 1994 | Germany  | Vossloh Werke | | Iron | Assistance, strategy |
| 1994 | Canada  | Volkswagen Canada, Inc. | Wheels | Aluminium | Scrap reduction (wheels) |
| 1994 | Germany  | Passavant-Werke AG | Municipal Castings | Iron | Strategy study casting production |
| 1993 | | | | | Main emphasis analysis, business plan |
| 1994 | Germany  | Silbitz Guss GmbH | Various | Steel | Situation review, manufacturing process analysis |
| 1993 | | | | | Company valuation, survey |
| 1994 | Netherlands  | Brabant Alucast International | Gear Boxes Oil Pans | Aluminium | Optimisation of the business with gear boxes of flat motors and rear wipers, ensured measures for the keeping and extension of the market-position |
| 1991 | | | | | Optimisation of product mix in terms of quality and cost |
| 1993 | USA  | ABC Rail | Wheels | Iron | Railroad wheel machining process and facility |
| 1993 | United Kingdom  | British Rollmakers | Rolls | Steel | Competitor analysis, facilities improvement, relocation program, management technical foundry assistance |
| 1993 | USA  | ITT Precision Die Casting, Inc. | Various | Aluminium | Aluminium die casting plant |
| 1993 | Germany  | KGT Gießereitechnik GmbH | | Iron | Market survey cupola |
| 1993 | USA  | Kohler Company | | Iron | Sludge dewatering study |






| Year | Country | Client | Components | Metal | Project Description |
|------|---|--|----------------------------|---------------------|--|
| 1993 | Czech Republic  | Kovolit a.s. | Various | Aluminium | Evaluation of HPDC foundry for privatisation |
| 1993 | Germany  | Landesbank Hessen-Thüringen | Engineering | Steel | Preliminary examination/ Silbitz Guss GmbH |
| 1993 | Germany  | Management KG IV | Steel Castings | Iron | Drawing up of business plans SKL Gießerei GmbH and Silbitz Guss GmbH |
| 1993 | Switzerland  | Aluminium Menziken AG | | Aluminium | Feasibility study (plant extension) |
| 1993 | Germany  | MAN Gutehoffnungshütte AG | Building Industry Castings | Iron | Examination of building substance casting market |
| 1993 | Norway  | Norsk Hydro A.S. | Various | Aluminium Magnesium | Strategic study MG-production search for partner in EEC |
| 1993 | Germany  | Christian Pfeiffer Eisen- und Stahlgießerei | Cement Industry Castings | Iron Steel | Feasibility study |
| 1993 | Germany  | Christian Pfeiffer Maschinenfabrik | Cement Industry Castings | Iron Steel | Long-range plan for the modernisation of the iron and steel foundry |
| 1993 | United Kingdom  | River Don Castings Ltd. | Various | Steel | Work flow optimisation |
| 1993 | Switzerland  | Rütschi Pumpen AG | Valves | Iron | Production removal Ferroguss Wildegg AG |
| 1993 | Italy  | Alutek SpA | Various | Aluminium | Development of employees |

| Year | Country | Client | Components | Metal | Project Description |
|------|--|---|-----------------------------|-----------|--|
| 1993 | France  | Schroder Partenaires SA | Automotive | Aluminium | Technical evaluation of 2 HPDC foundries |
| 1993 | Germany  | SKL | Heavy Engine Blocs | Steel | Business plan development |
| 1993 | USA  | Spartan Aluminium | Various | Aluminium | Plant expansion study |
| 1993 | Germany  | Halberg Guss GmbH | Engine Blocs Crankshafts | Iron | Coaching "International Logistics" |
| 1993 | Germany  | Techno-Guss Hofgeismar GmbH | Brake Drums | Iron | Expertise investment conception |
| 1993 | Switzerland  | Welt Giesserei Kongress | | All | Attractiveness improvement of the WGZ |
| 1993 | Germany  | Fritz Winter Eisengießerei GmbH & Co. KG | Various | Iron | Project study |
| 1993 | Germany  | Stahlgiesserei Rothensee AG | Valves | Steel | Audit, temporary foundry management, controlling and marketing assistance |
| 1992 | | | | | Short market analysis for the quantification of potential cast steel customers, short analysis and budget 1993 Stehlgießerei Rothensee, examination of the reconstruction conception |
| 1990 | | | | | Audit, temporary foundry management, support in controlling and marketing |
| 1993 | Germany  | Eisenwerk Brühl Aluminium Technik GmbH | Cylinder Heads | Aluminium | New casting plant, design, architecture |
| 1991 | | | | | Management review of a location analysis for an aluminium foundry |
| 1993 | Netherlands  | Alu Premetaal | Gear Boxes | Aluminium | Optimisation of the business with gearboxes of flat motors and rear wipers, ensured measures for the keeping and extension of the market position |
| 1991 | | | | | Strategic audit, implementation assistance |

| Year | Country | Client | Components | Metal | Project Description |
|----------------------|--|--|-------------------------------|-----------|---|
| 1993 1990 | Germany  | Aluminium-Giesserei Villingen GmbH | | Aluminium | Audit, company profile/ evaluation Plant expansion: design, detail engineering |
| 1993 1990 1988 | Austria  | Austria Alu-Guss GmbH | Wheels | Aluminium | Strategy studies aluminium wheels Production cost reduction Market studies aluminium wheels |
| 1992 | USA  | Appleton Electric Company | Electric Application Castings | Steel | Technical study about the actual expenditure of energy |
| 1992 | Germany  | August Beer GmbH & Co. KG | Various | Iron | Work flow optimisation fettling shop |
| 1992 | Austria  | Druckgusswerk Fischer GmbH | Escalator Castings | Aluminium | Temporary management of the aluminium HPDC foundry |
| 1992 | Spain  | Felguera Melt SA | | Iron | Audit valuation of plants |
| 1992 | Austria  | Gebr. Grundmann GmbH | Transmission Housings | Aluminium | Extension aluminium foundry |
| 1992 | Netherlands  | Hoogovens Industry Toelev. BV | Automotive | Aluminium | Strategic study, market study aluminium automotive components |
| 1992 | Germany  | Mahle-J. Wizemann GmbH & Co.KG | Cam Shafts | Iron | Feasibility study melting department Assessment of shell mould foundry GISAG |
| 1992 | China  | Shanghai General Machinery Corporation | Cylinder Blocs | Iron | Design new automotive cylinder bloc foundry |

| Year | Country | Client | Components | Metal | Project Description |
|--------------|--|--------------------------|------------------|-----------|---|
| 1992 | Community of Independent States  | Sumi, Russia | Valves | Steel | Steel valves facilities study |
| 1992 | United Kingdom, Scotland  | R. B. Tennent | | Steel | Manufacture assistance |
| 1992 | Community of Independent States  | Uralgidromash, The Urals | Valves | Steel | Steel valve feasibility study |
| 1992 | Germany  | Volkswagen AG | Cylinder Heads | Aluminium | New aluminium foundry: feasibility studies, design, detail engineering, implementation incl. architecture, optimisation, plant extension, authorisation |
| 1992 | United Kingdom  | Wask RMF | | Iron | Technical audit, operational assistance |
| 1992 1991 | Germany  | Kolbenschmidt AG | Cylinder Heads | Aluminium | New foundry: design, detail engineering, architecture, implementation Comparative study of different casting processes for cylinder head foundry |
| 1991 | Japan  | Chiyoda Corp. | Engine Blocs | Iron | Planning and design of new automotive iron foundry |
| 1991 | Norway  | Hydro Aluminium | Various | Aluminium | Market trend analysis |
| 1991 | UK/France/Germany  | J.I. Case Europe Ltd. | Offroad Castings | Iron | Strategic restructuring and mergers project Environmental and pollution study |
| 1991 | Germany  | Kawneer Aluminium GmbH | | Aluminium | Status quo – Hand out for basic manager, EDV-communication and drawing up of improvement measures |

| Year | Country | Client | Components | Metal | Project Description |
|------|---|------------------------------------|---------------------------|-----------|---|
| 1991 | Comunity of Independent States  | LST-Metal | | Aluminium | Secondary aluminium smelter and equipment and facilities study |
| 1991 | Germany  | MAN Roland Druckmaschinen AG | Printing Machine Castings | Iron | Plant extension: feasibility study, design, detail engineering, implementation |
| 1991 | Germany  | A. Thiele/ Becker Prünfte GmbH | | Steel | Supplementary report about the fusion of the chain areas of Becker-Prünfte GmbH and A. Thiele |
| 1991 | Austria  | Tiroler Röhren- und Metallwerke AG | Various | Iron | Audit of operations, feasibility studies, detail engineering |
| 1991 | Germany  | Treuhandanstalt | | All | Summarized analysis and assessment of the chances of eastern European foundries in western European context |
| 1990 | US  | Alcoa | Structure Parts | Aluminium | Review of new casting process, search for a partner in Europe, Aluminium Intensive Vehicle |
| 1990 | United Kingdom  | W.M. Cook Steel Castings Plc. | Various | Steel | Operating assistance |
| 1990 | Germany  | Eisenwerk Schönheiderhammer GmbH | Various | Iron | Audit malleable iron foundry |
| 1990 | Russia  | Electrosila | Various | Iron | Precision copper foundry – Market study |
| 1990 | Mexico  | Fundidora de Aceros | Various | Steel | Strategic planning for steel foundry |
| 1990 | Finland  | JOT Companies | Various | Iron | Competitor analysis, new moulding |

| Year | Country | Client | Components | Metal | Project Description |
|------|---|---|-----------------------------|-------|--|
| 1990 | France  | Peugeot SA Automobiles | Various | Iron | Strategy studies automotive foundries |
| 1990 | Norway  | Stavanger Staal A/S | Various | Steel | Audit of operation, specially steel castings |
| 1990 | United Kingdom  | Vickers Shipbuilding & Engineering Ltd. | Marine Castings | Iron | Foundry management |
| 1989 | Argentina  | Acindar Industria Argentina | Engineering | Steel | Feasibility Study |
| 1988 | United Kingdom  | Lloyds Burton Alloys | Stainless Centrifugal Tubes | Steel | Transaction William Cook |