



Profile

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Master of Technical Management, Industry Champion

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Last Freelance References

12/2017-actual

Tier 1 / Special Machine Building - Business Unit Adhesive Bonding Technology / Final Assembly

Project Manager / Overall Project Management

- Implementation and management of the projects "BMW Leipzig" and "BMW Mexico" from "Pre-Commissioning WOR" to "Final Acceptance by the customer in Leipzig"
- Series and change management as well as ongoing optimization
- Determination of cost effects through project changes
- Coordinate decision-making between all involved in the project employees as well as external partners
- Coordination of all project-related goals (deadlines, costs, quality)
- Monitoring and tracking of contractual agreements
- Ongoing project controlling, monthly reporting
- Cost responsibility
- Interface to the customer and the internal areas

Production of various fully automatic gluing, painting, sealing and woodworking systems in final assembly (special machine construction)

06/2017-10/2017

Electro Manufacturing - Business Unit Electromechanics

Consultant

- Compiling an analysis for "customized products", from the customer inquiry via the sales office and office, the technical feasibility including development, purchasing, product management and the process planning, disposition, production and logistics.
- Process analysis (workflow) of the individual interfaces
- Lean management (value stream analysis)
- Moderation and coaching of discussion groups
- Cost-benefit analysis
- Create risk analysis
- Development of individual measures (show potential of sales and processing time)
- Project management (project management, implementation of individual measures)



Production of three-phase motors incl. Various transmission variants for different drive systems.

02/2017-08/2017

Tier 1 - Business Unit Passenger Cars, Advanced Development - Air Conditioning, Battery Cooling

Project Manager / Process Development

- Creation of a requirements analysis for the product development of a battery cooling
- Plan and coordinate experiments, select and evaluate appropriate procedures (morphological)
- Validation of prototypes
- Process development, implementation of various manufacturing processes
- Creation of a cost evaluation
- Product design about process trials
- Contributing to the design and support of sales during the PEP phase 0

Manufacture of innovative cooling modules for Li-ion batteries and power electronics from hybrid and electric vehicles.

09/2016-11/2016

Tier 1 - Business Unit Passenger Cars, Mechatronics, Kinematics and Vehicles Plastic systems

Project Manager

- Sales support during PEP phase 0 (Acquisition and nomination phase)
- Series and change management as well as ongoing optimization after the "PEP process"
- Implementation and control of new projects from order entry to series
- Determination of cost effects through project changes (Cost Breakdown)
- Coordinating decision-making between all involved in the project employees as well as external partners
- coordination of all project-related goals (deadlines, costs, quality)
- Monitoring and tracking of contractual agreements
- Interface to customers, suppliers and internal areas

Production of panorama systems, luggage storage systems, sun protection systems, armrests, upholstery and plastic coverings, innovative door handle systems, carrier systems and Plastic parts in the engine compartment.

03/2016-08/2016

Electrical Engineering - Explosion Protection / Switchgear Division

Head of Production Planning & Industrial Engineering

- Professional and disciplinary leadership
- Personnel succession planning (department management)
- Organization and structuring (restructuring project)
- Restructuring of industrial engineering
- Reduction of production costs
- Process optimization, - Lean Manufacturing (OEE increase),
- value stream analysis
- TPM concept for maintenance optimization (optimization of production and lead times, reduction of machine downtime)
- Introduction of partial automation
(conversion from manual assembly stations)
- External production or outsourcing of work processes and products



The market leader in electrical and electronic products and systems for the explosion protection. The spectrum ranges from tasks such as switching, distributing, installing, operating/ monitoring, lighting, signaling/ alarming through to automation.

08/2015-02/2016

Tier 1 - Business Unit Passenger Cars / R&D (DVP validation), SCR exhaust systems

Project Manager

- Creation and monitoring of DVP test plans ("timeline")
- Determination of cost effects through project changes
- Coordinate decision-making between all involved in the project employees as well as external partners
- coordination of all project-related goals (deadlines, costs, quality)
- Monitoring and tracking of contractual agreements
- Ongoing project controlling, monthly reporting
- Interface to customers and internal areas
- Production planning and control

Production of SCR exhaust systems (AdBlue heat conduction, close to engine or engine). These are used to reduce nitrogen oxides (NOX) in diesel vehicles.

05/2015-06/2015

Tier 1 - Business Unit Passenger Cars, Cylinder Head & Drive Components

Project Manager

- Implementation and control of new projects from order entry to series
- Series and change management as well as ongoing optimization
- Determination of cost effects through project changes
- Coordinate decision-making between all involved in the project employees as well as external partners
- Coordination of all project-related goals (deadlines, costs, quality)
- Monitoring and tracking of contractual agreements
- Ongoing project controlling, monthly reporting
- Interface to customers and internal areas

Production of a car cylinder head for a premium automotive manufacturer die-cast aluminum including camshafts, hood, bearing bracket, valves, spark plugs, seals.

02/2015-05/2015

Tier 1 - Passenger Car Business, Exhaust Turbo Charger Systems

Project Manager in Cost Estimation

- Evaluation and calculation of metal components and tools, punching and bent parts, forgings, welded parts, pipelines, turned and milled parts, extruded profiles, as well as the surface treatment of metal v components
- Creation of transparency through a value analysis (Cost Breakdown) under aspects of cost structures of components
- Support of purchasing through evaluation and plausibility (real and best practice part cost) of inquiries and offers (target cost)
- Conducting negotiations with national and international suppliers in cooperation with the purchase (global commodity buyer, product lunch buyer) and the supplier development engineer
- Technical and commercial specialization



Components such as heat shielding parts, pipelines, cast iron housings (aluminum, gray, steel, sand casting), metal seals, wastegate valves, VTG, turbine and compressor wheels, control pressure cans

05/2014-01/2015

Tier 1 - Business Unit Passenger Cars, Pumps & Engine Components

Project Manager in Supplier Development, Bottleneck Management, Supplier Development

- Supplier support
- Component bottleneck management (supply supply)
- Validation and verification of equipment and tools
- Component quality, QM monitoring (support for supplier audits)
- In- and outsourcing
- Development of framework contract bases for purchasing
- Internal- and external departmental support
- Complaint management (APQP, TQM, 8D-processing)

Components such as, for example, oil pump components for engine and transmission applications, components for camshaft adjuster (rotor, stator, banjo bolt, piston, e-actuator, housing, etc.), straight or helical gears, belt and sprockets, components made sintered aluminum

04/2014-05/2014

Tier 1 - Business Unit Passenger Cars, Pumps & Engine Components

Project Manager in Production Optimization, Lean Manufacturing

- Cross-departmental technical production optimization under appropriate lean management tools ("FPY", "OEE", "REFA")
- Reduction of machine downtime (increase machine availability), for various product and machine systems
- Optimum material flow control

01/2014-04/2014

Tier 1 - Business Unit Passenger Cars, Pumps & Engine Components

Manager in Project Purchasing / Project Purchasing

- Cross-departmental technical and commercial project coordination
- Coordination of purchasing projects including project controlling
- Conduct inquiry actions and purchasing negotiations
- Supervision of own projects
- Responsibility of supplier management and strategy
- Reporting

06/2012-12/2013

OEM - Powertrain prototypes & tools

Manager in Cost Engineering / Purchasing Controlling

- Evaluation and calculation of metal components, punching and bent parts, forgings, welded parts, pipelines, turned and milled parts, extruded profiles, as well as the surface treatment of metal components
- Creating transparency through a value analysis under aspects of cost structures of components
 - Support of purchasing through evaluation and plausibility of offers (BANF)



- Conducting negotiations with suppliers in cooperation with the purchasing department
- Technical and commercial specialization

Components such as, exhaust systems, exhaust manifold, exhaust gas turbocharger, air filter housing, cylinder head gasket, heat shield parts, rubber and metal piping, crankshaft housing, transverse steering, crankshaft housing, forgings, gearbox, oil pan, spark plug.

References of Permanent Employment

10/2009-12/2012	Managing Director, CEO Electrical Industry
10/2006-12/2009	Head of Production Machine Building Area
07/2005-06/2006	Business Unit Manager (production) Machine Building Area
07/2002-07/2005	Business Unit Manager (prototyping & prefabricated production) Automotive
09/2001-03/2002	Technical Product Manager Machine Building Area
07/1997-08/2001	Prototyping Manager (R&D, prototyping) Automotive

Qualifications

2002-2003	Studies (IHK-further education): GARP in Esslingen - "Extra-occupational studies" Degree: Technical Management, Master of Technical Management (DQR Level 7) Topic of the study: Quality advance planning according to APQP
1998-2001	Studies (IHK-further education): GARP in Ruit - "Extra occupational training" Graduation: Industry Champion incl. Trainers (AEVO)
1995-1996	Studies: Mechatronics at the University of Applied Sciences in Esslingen Degree: Basic studies including 1st practical semester
1994-1995	Technical High School (BK1) in Göppingen Degree: Graduation from high school (technical)
09/1990-01/1994	Education: Schuler Pressen AG in Göppingen Degree: Industrial mechanic specializing in mechanical engineering and systems engineering



Industry knowledge - Automotive (excerpt)

(among others at the OM`s: Daimler / AMG, VW, Seat, Skoda, Porsche, Audi, BMW, Volvo, Landrover / JLR, etc.)

Fully gluing automatic machine (front-, back- and side window), battery cooling modules for hybrid u. electric vehicles, panorama intake systems (solid and flexible PU-coated glass including the sunscreen), SCR exhaust systems (selective catalytic reduction, exhaust aftertreatment with AdBlue heat pipes with DV/ HTQC, TankQC, annealed corrugated pipe, HT inner hose, adhesive joint, etc.) , cylinder head (including NW, hood, bearing bracket, valves, spark plugs, etc.), cylinder head gasket (MLS seals for open deck and closed deck engines), secondary seals, shielding parts (heat shields), beauty cover (valve cover housing), fuel tank (metal), oil pan , exhaust systems (single and multi-stage), transverse steering, spider (forgings), Exhaust gas turbocharger (single and multi-stage ATL with VTG and Waste Gate valves), compressor housing (aluminum, steel, gray, sand casting), turbine housing, bearing housing, turbine wheels, converter housing, crankshaft housing, air filter housing, fuel cell (bipolar plates), spark plug, oil and water pumps (aluminum and sand casting), gears, sintered parts (exterior and exterior), lathe and milled parts (CNC machining), brake discs, camshaft adjusters, water lines, oil supply and return line, high-pressure lines, gearbox housing, electronic switching devices for terminal and control box (explosion area), rotary, asynchronous and servo motor (motor , bevel and parallel gears, inverters ...) and much more.

Practical knowledge (excerpt)

Welding technology (welders' letters according to DVS in WIG, MIG / MAG), spot welding, resistance and projection welding, metallurgy (grinding of welded and soldered joints), laser welding, friction welding, arc welding, soldering (soft and brazing, CAB brazing, vacuum brazing, flame brazing , Inductive soldering), gluing (connectors), laser printing, laser cusing, chipless and machining production (drilling, turning, milling and grinding technology), small and large series production, CNC production (machining centers: Hüller Heller, Heller, Chiron, Coarse, Index / Traub, Benzinger, Mazak, Milltap, DNG / Böhringer, etc.), laser cutting, sheet metal working (0,5-10mm thickness), punching u. embossing technology (beading), edging, steel forming (cold and hot forming, hydroforming), plastic production (injection molding tool technology, single and multiple), sintering technology (steel, aluminum), sand casting, aluminum die casting, extruding of profiles and tubes (aluminum), surface coating (wet and powder, screen printing), hardening technology (flame, induction, ring and nitriding, validation / testing and measuring techniques (temperature cycling, pressure threshold, HF vibration, lifetime, helium leak test, bursting pressure etc.), CAD, rapid prototyping (including RP-Printing), PU and silicone foams, toolmaking (plastic, stamping and bending tools, progressive tools), automation technology (partial and full automation), forgings, electrical engineering (busbars / building technology of 16-400A and components from the EX area), printed circuit board production (SMD assembly, wave and selective soldering), and much more.



Expertise (abstract of my knowledge)

- Lean Management (manufacturing)
- Project Management for professionals
- Process development, validation
- PEP-process from phase 0-6 (product creation process)
- Six Sigma (basic skills, green belt)
- Run&Rate performance test
- Supplier development, component bottleneck management (supplier evaluation)
- Process capability investigation, among others for an "MFU / PFU" (cmk and cpk value determination)
- REFA time management (work preparation)
- FMEA (DFMEA, PFMEA)
- APQP, PPAP (8D-reporting, component removal, etc.)
- DIN ISO 9001 (Automotive)
- DIN ISO TS16949 (Automotive)
- Restructuring (inside the organization)
- Succession
- Creation of teams to handle project work packages
- Organizational optimization and personnel follow-up
- Management and moderation of decision-making committees
- Equally practical as well as business management skills
- Profound interface experience
- Solid and long-term automotive experience (OEM, Tier 1, Tier 2)
- Hands on mentality (from my practical experience)
- and others.