
Profile Michael Fehrenbach



Name: **Fehrenbach**

Given Name: **Michael**

Qualification: **Dipl.-Ing.(FH) Mechanical Engineering (Graduate Engineer)**

Focus: **(Multi-) Project Management
Process Planning / Process Optimization**

Date of birth: 08. January 1972

Nationality: German

Willing to travel: world-wide

Address: **Fehrenbach Engineering GbR**
Am Kapellele 17
77656 Offenburg
Germany
Phone: +49 781 9672549
Fax.: +49 781 9672910
Mobil: +49 170 1498431
E-mail: mf@fehrenbach-engineering.de
Internet: www.fehrenbach-engineering.de

Range of Services:

Consulting and Support in the field of (Multi-) Project Management:

- Clarification of technical requirements with customer / supplier
- Analysing of project risks
- Product-FMEA (Failure Mode and Effects Analysis)
- Utility analysis and repayment calculation
- Preparation of technical specifications (functional requirements, performance specification ...)
- Project structure planning (cost, timeline, resource and milestone planning)
- Definition of work packages
- Leadership of the project team
- Organisation and moderation of kick-off workshops and project meetings
- Supply management
- Crisis management, troubleshooting
- Claim management
- Coordination of commissioning
- Coordination of final acceptance
- Organisation of shipment
- Project controlling
- Project presentation, preparation of status reports and milestone trend analysis
- Project evaluation (lessons learned, project performance figure)
- ...

Consulting and Support in the field of Process Planning / Process Optimization:

- Process analysis
- Planning / optimization of production processes
- Preparation of process- FMEA (Failure Mode and Effects Analysis)
- Facility planning and layout preparation
- Qualification / validation of production processes
- Start-up management (ramp-up)
- Cycle time analysis
- Consulting / support on CIP (continuous improvement process)
- ...

Project Experiences (self-employed):**Sector: Automotive Supply Industry**

Project: Consulting and support of project management during planning, preparation of installation and commissioning of partially automated production lines (robot-welding, gluing, screwing) for cockpit car cross beams in Germany, as well as at the customers co-operation partner in South Africa and China.

Tasks: Supply management, travel planning, on-site support at plant in China and approval at the co-operation partner and the supplier, timeline, cost, capacity and resource planning, project controlling, leadership of the project team, interface coordination between the departments, organization of installation and commissioning, start-up management (ramp-up), crisis management (troubleshooting), definition of actions, organization and controlling of actions to improve product quality and output as well as availability of the production-line, project evaluation (lessons learned), interface person between the customer in Germany, the co-operation partner and the end customer in South Africa and China, feasibility evaluation and cost estimation for change demands, ...

Project: Consulting and support during process planning and process optimization for laser welding of components on car steering systems

Tasks: Optimization of existing and planning of new fixtures and clamping concepts for laser welding jigs, supply management, on-site support and approval at supplier, process optimization, start-up management (ramp-up), crisis management (troubleshooting), operators training, preparation of work instructions, definition of actions, organization and supervision of actions to improve product quality and output as well as availability of the production-line, arrangement of trial runs and analysing of the results, process evaluation, lessons learned, feasibility evaluation and cost estimation for change requests, ...

Sector: **Packaging Industry (plastic film production for pharmaceutical industry)**

Project: Support of technical development, planning and implementation of investment projects to optimize the production facilities for plastic film production, support of technical planning for relocating a production line from Italy to Germany

Tasks: Concept creation, project planning, cost estimation, development and CAD design (AutoCAD Inventor), creation of facility layouts, project presentation and design meetings, cost, timeline, capacity and resource planning, request for quotation at suppliers, technical clarification with suppliers, interface coordination between the departments of technical planning, purchasing and production, supervision while installation and commissioning, preparation of operating instructions, ...

Sector: **Machine Industry**

Project: Development of a 5-axis-dental-milling-machine

Tasks: CAD-design (Solid Works) and optimization on customer demands

Education / Qualifications:

03/1995 - 02/1999: Studies: at the University of Applied Sciences
in Offenburg, Germany
University degree: Dipl.-Ing. (FH) - Graduate Engineer
Course of studies: Mechanical Engineering
Work placement: at INA-Nadellager Schaeffler KG
in Llanelli, United Kingdom
Degree dissertation: at ADE-Werk GmbH in Offenburg, Germany
Theme: „Development and design of a platform for
scissors lifts that is able to move in x,y-direction”

08/1988 - 02/1992: Apprenticeship for an industrial mechanic with specialisation on production
engineering at INA Nadellager Schaeffler KG in Lahr, Germany

Additional Qualifications:

09/2008 Training course: Key-Account-Management Advanced Training Course
05/2007 Training course: Negotiation for Professionals in Sales
07/2004 Training course: Update Training Unigraphics NX2
01/2001 Training course: S1 Unigraphics Training Course for Beginners

Languages:

- German (native)
- English (fluent)
- French (basics)

Other Skills (Software Application):

- Project management program: MS-Project
- ERP-system: customer-specific, INFOR
- MS-Office: Word, Excel, Outlook, PowerPoint
- CAD: Unigraphics, Solid Works, Solid Edge, AutoCAD Inventor
- Calculation program: KissSoft, S-Kraft

Occupations (as employee):

- since 06/2010: Self-employed
- 01/2001 - 05/2010: 8 years Project Manager (prior 1,5 years CAD-design engineer)
at Techtory Automation GmbH in Appenweier, Germany
- 05/1999 - 12/2000: CAD-Designer at WTO GmbH in Ohlsbach, Germany
- 03/1999 - 04/1999: CAD-Designer at ADE-Werk GmbH in Offenburg, Germany
- 03/1994 - 02/1995: Quality Inspector at INA-Nadellager Schaeffler KG in Lahr, Germany
- 12/1992 - 02/1994: Civilian Service (as an alternative to military service)
at Arbeiter-Samariter-Bund in Achern, Germany
- 03/1992 - 11/1992: Quality Inspector at INA-Nadellager Schaeffler KG in Lahr, Germany

Experiences (as employee):

At Techtory Automation GmbH in Appenweier:

- Development, CAD-design and project management at special-purpose machines and facility projects in welding fixture, handling and assembly technology for German and international customers (clarification of customer demands, developing concepts, preparation of requirement specifications, CAD-design, cost, capacity, timeline, resource planning, interface coordination, preparation of operating instructions, coordination of installation and commissioning at the customer, approval at the customer, ...)
- Multi-project management (coordination and planning of different, simultaneous projects)
- Crisis management, troubleshooting
- Estimation and evaluation of project risks
- Calculation and creation of offers
- Technical and commercial clarifications with suppliers and customers
- Leadership of project teams, interface management, supply management
- Creation and administration of project documentation
- Team leadership for the division of welding fixtures
- Key account management for selected potential buyer and reference customer

At WTO GmbH in Ohlsbach:

- Development and CAD-design of driven precision tools for machining and turning centres in special tool and small series production
- Cost planning for precision tools in small series production
- Creation of technical calculations, dimensioning, documentation, specification as well as product- and company-presentation in German and English language