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Dr.-Ing. Helmut Wawra

Born in February, the 22nd, 1946 in Linz/Austria, married, three children

Experience on the Job 2006 - today different Companies Germany
Consultant of Supplier-Companies in the Automobile Industry

- Strategy Development and optimization of the current Organisation
- Project Management, that means installing the project-Organisation with Definition of Responsibilities, Business Plan and Time Schedule, as well as Maturity Level Management, Cost Management and Supplier Management
- Efficiency Improvement, that means Specification Sheet Procedure, Interface Management, Change Management Procedures

1998 - 2006 smart GmbH Böblingen

Vice President, Member of the Board and Head of „Engineering & Design“

- Configuration and Qualification of an Engineering Division from an One-Product-Company to a More-Products-Company
- Staff Increase from about 200 up to about 600 Persons and Qualification of these
- Definition of uniform Processes and Responsibilities
- Engineering of new Products together with different Partners in different Business Models

1994 - 1998 DaimlerChrysler AG Stuttgart

Director and Head of „Platform Engineering C-Class Cars“

- Configuration of a new installed Business Unit and Definition of Duties, Competences and Responsibilities
- Engineering of the platform of the new C-Class Car (W203) and 5 derivatives based upon
- Engineering of a Coupé (CLK) and a Convertible Car based on the existing Platform of the C-Class Car (W202)
- Leading about 100 Staff Members

1993 - 1994 Daimler-Benz AG Stuttgart

Strategic Project Leader „Roadster (SLK)“

- Entire Management of a Product Project, that means Business Plan, Time Schedule, Maturity Level Management, Cost Management, Supplier Management, SOP, Market Introduction

1991 - 1993 Daimler-Benz AG Stuttgart

Director and Head of „Suspension Testing“

- Confirmation of Customer Requirements for Front and Rear Suspension of all Mercedes-Benz Passenger Cars
- Development and Roll Out of a Method for statistic Planning of Tests to optimize Test Bench Costs
- Evaluating of Bench Test Data and Valuating
- Leading about 80 Staff Members

1988 - 1991 Daimler-Benz AG Stuttgart

Director and Head of „Design of Passenger Operating Elements, Steering Modules“

- Design of Steering Modules including Steering Columns, Steering Wheels and Steering Boxes, Gear Shift Units, Pedals comprehending Transfer and Electronic Accelerator Pedals for all Mercedes-Benz Passenger Cars Considering the Module Principle
- Introducing the first Rock and Pinion Steering in a Mercedes-Benz Passenger Car (W210)
- Leading about 60 Staff Members

1986 - 1988 Daimler-Benz AG Stuttgart

Senior Manager and Head of „Design of Accelerator Modules, Fuel Systems, Engine Mounts“

- Design of the above Components for all the Mercedes-Benz Passenger Cars and Accelerating Control Components for Commercial Vehicles with Passenger Car Engines
- Introducing the CAE Method in the complete department
- Realisation of the first Plastic Fuel Tank in a Mercedes-Benz Passenger Car
- Leading about 25 Staff Members

1982 - 1985 Daimler-Benz AG Stuttgart

Personal Assistant of the Head of Engineering for Mercedes-Benz Passenger Cars

- Supporting the Head of Design in most diverse Administration
- Planning Relocation of about 400 People
- Presentations and Approvals for the Board

1979 - 1982 Daimler-Benz AG Stuttgart

Junior Manager and Head of „Design Steering Wheel, Airbag“

- Design of Steering Wheels and Airbags for all Mercedes-Benz Passenger Cars Taking the Module Principle into Consideration to Minimize the Diversity of Variants
- Market Introduction of a Steering Wheel with Airbag in the first Passenger Car worldwide
- Leading about 5 Staff Members

1978 - 1979 Daimler-Benz AG Stuttgart

Engineer Front Suspension

- Cooperation in Engineering the Front Suspension of the new Baby-Benz (W201)

1976 - 1977 Daimler-Benz AG Stuttgart

CAE Engineer

- Scaling of Parts using the Finite Element Method

▪ **Education**

June 1975 Technical University München

Examination of Doctoral Thesis

- Subject of Dissertation: "Calculation of Shrink Assemblies with cylindrical Shrinking Surface under Consideration of elastic and non-elastic Behaviour of the Material under thermal und mechanical Load varying in time"

1971 – 1976 University Karlsruhe

Doctoral Thesis

- Supporting the lectures at the Institute of Technical Mechanics and Science of the Strength of Materials
- Doctoral Thesis
- Contract Teacher for Mathematics and Mechanics at the University of Applied Sciences in Karlsruhe

1966 - 1971 University Karlsruhe

Studies

- Studies of Mechanical Engineering, especially Technical Mechanics
- Redtenbacher Award for the best Diploma Examination of the Year 1971
- Senator-Dr.-Koch Award for the best Prediploma Examination of the Year 1968