



Qualification profile

Name Reinhard Ahlert
Profession Staatlich geprüfter Techniker (Bachelor) Mechanical Engineering / Production Engineering and Electrical Engineering / Computer Science (Bachelor)

Date of birth 16.02.1959

Education

1977 Gymnasium (High School) leaving 4. Semester upper level with secondary school level
1977 – 1980 Skilled mechanic certificate as a mechanic for maintenance
1983 – 1984 E-Welder Training DIN 8560 E-R/B 2m
1984 – 1988 Course of studies at the Staatliche Technikerschule Berlin
Engineering Certificate for mechanical engineering / production management
1988 – 1991 Course of studies at the Staatliche Technikerschule Berlin
Engineering Certificate for electrical engineering / computer sciences

Training

04.12.1989 Introduction in working with "GEM"
08.11.1991 Dbase 4 – Handling in order-mode
25.11.1991 Dbase 4 – Program generator
08.11.1993 Microsoft Excel, Basics
18.11.1993 Seminar "Leading of negotiations and meetings"
17.12.1996 SAP Basics R2
16.02.1998 Tractivity user education
23.09.1998 DQS - Quality Management-systems and internal Audits
18.11.1998 DQS - Seminar for Auditors and Audit-representatives
01.03.1999 Project management-Curriculum "ProProject"
07.06.2000 SAP R/3 Impuls Seminar Project management
24.07.2000 SAP R/3 Impuls Seminar Quality management
13.03.2001 Marketing and Sales Academy, Basics

Job Experience

1980 Mechanic machine equipment – Deutsche Reichsbahn, BW Berlin-Grunewald
1981 – 1983 job seeking, temporarily working as a car mechanic – Kfz-Service Friedrich, Berlin
1983 – 1984 Welding Education DIN 8560 E-R/B 2m, SLV Berlin
1984 – 1989 Train mechanic, Welder, Shunt Train Driver, Turner –

Berliner Verkehrsbetriebe (BVG), Berlin

- 1989 – 1991
- Production steering and –planning Cable Armatures, Siemens Cable works, Berlin
- Production of Cable Armatures in range of 10 – 30 kV.
 - Product calculation, time class catalog for calculations
 - Reorganisation of Cable Armatures storage with new planning
 - Order of material for the production of Armatures
 - Judgement of Qualification und Opportunities of suppliers
 - Support of workshops for cost reduction in Production and in Purchasing.
- 1991 – 1992
- Design engineer electrical installation Light Rail Vehicles – Siemens Verkehrstechnik, Erlangen
- Development of electrical circuits, wiring tables, mechanical installation technology of components, terminals, connectors
 - Selection of electrical components (Transformer, traction motors, compressors aso.)
 - Revision of circuit diagrams and wiring documentations
 - Programming of a Database in dBase 4 for administration of Installation material und equipment
- 1992 – 1993
- Design engineer electrical installation Light Rail Vehicles – AEG Westing house Berlin
- Development of electrical circuits, wiring tables
 - Programming of the ORMAS Softwaretool, based onto an ORACLE SQL-Database
- 1993 – 1996
- Sales engineer locomotives Germany – AEG Schienenfahrzeuge, Hennigsdorf
- Sales of components for Locomotives (also spare parts)
 - Customer complaint management
 - Tender calculation und leading of tender negotiations with the client, dead line surveillance
 - Claim management, Configuration management
 - Investigation of damages, proposals for constructive solutions in Cooperation with the Engineering department
- 1996 – 1998
- System Engineer and Configuration- & Change manager – Adtranz (ABB DaimlerChrysler Transportation Systems), Hennigsdorf & Mannheim
- Electrical train and locomotive equipment
 - Clearing of technical requests, questions of Quality
 - Troubleshooting, Component testing
 - Configuration- and Change management using “Tractivity”.
 - Planning and Tracing of Changes
 - Design of Bill of materials
- 1998 – 2000
- Project manager Quality management – Adtranz, Nürnberg
- Erection of a Quality plan und tracing his actions (incl. PPAP and APQP)
 - Compilation of Quality requirements to suppliers
 - Compilation of the Quality documentation
 - Audit of external and internal suppliers and departments according DIN ISO 9001 inclusive Process audit (according VDA 6.3)
 - Release of suppliers
 - Planning of First Article Inspections and their execution (PPAP, APQP)
 - Surveillance of Project progress and acceptance of sections as well as final acceptance with the customer

- Planning of Type tests
- Introduction and building of the configuration and change management, Leadership of the change manager
- Compilation of Quality guide lines and work instructions within the Project
- Successful passing of the external Audit of my work executed by DQS
- Leading of the Q-Staff within the Project
- Supplier – Audits
- Compilation and Moderation of FMEA's with APIS IQ FMEA 3.5
- Trainer in the “ProProject” Seminar introducing Project Managers in Configuration and Change Management

2001 – 2002

Marketing Director Refurbishment & Modernisation Rolling Stock – Adtranz / Bombardier, Crewe, UK

- Proposals for rising of success rates of tenders (global)
- Definition of Product developments
- Developing of Modernisation reports
- Identification of vehicle types for modernisation
- Publishing and Editing of Brochures
- Support of R&M incoming orders
- Review of R&M incoming orders process
- Pushing of R&M product development strategy
- Identification of new Products
- Design of Passenger information and Entertainment Systems and Keeping in Touch Systems
- Proposal of a Training program for raising the efficiency of the R&M Sales and Marketing
- Trouble shooting in running Projects
- Translation of contracts

2003 – 2005

Strategical Buyer Services – Bombardier, Mannheim

- Interface management of enquiry and tender process between Engineering, Sales, Quality and the operational purchase department
- Procurement - Representative in Tender process
- Service specific Projects, strategic supplier selection
- Processing of warranty claims
- Negotiation of Material prices und delivery schedules
- Solution of Supplier- and Quality problems
- Compilation of supplier evaluations
- Project planning in Purchase Department
- Compilation und maintenance of project related purchase data inclusive Parameters and indicators
- Documentation and editing of SCM Data
- Comparison of bids and renegotiation
- Across locations editing of Saving Lists
- Take over of Special tasks from Materials Manager:
 - SCM project leading Shanghai-Project
 - Storage relocation Velten / Ammendorf
 - Superordinate Project management

Since 2005	<p>Owner Reinhard Ahlert Elektro- und Informationstechnik, Flachslanden</p> <p>Electro-technics</p> <ul style="list-style-type: none"> - Planning, Installation and Repairation of building installations (even with Instabus) - Appliance testing according VBG 4 (BGV A 2) with check protocol - Sales of Electro installation material <p>Information technology</p> <ul style="list-style-type: none"> - Advisory service and sales of PC's, Laptops - Advisory service, Planning and Installation of Networks (Server and Clients) - Reparation and Modernisation of existing Systems - Telephones, telephone systems, Mobile telephones <p>Engineering services, Consulting</p> <ul style="list-style-type: none"> - Execution of commission orders for Planning services, Advisory service - Advisory service and Consulting in questions of Quality management <p>Consulting, Advisory activities</p> <ul style="list-style-type: none"> - Individual Trainings, Advisories, Consulting, FMEA Moderation (even for questions of Quality assurance in Enterprises) <ul style="list-style-type: none"> - 07/2006 until 11/2006 Consulting - Project „Introduction of FMEA within the Bogie Construction“, Alstom-LHB, Salzgitter using APIS IQ FMEA 5.1 - 03/2007 until 05/2007 Consulting - Project Compilation and Moderation of Product and Interface FMEA's in a Automobile Development project using APIS IQ FMEA 5.1
10/2007 – 12/2007	<p>Project manager Automatic Train Protection Locomotives – Bombardier, Braunschweig, Mannheim</p> <ul style="list-style-type: none"> - Building of the Project structure - Order of Longtime runners - Team building - Budget control - Scheduling - Product development management with Budgeting - Technical Clearings - Project documentation
12/2007 – 05/2008	<p>Team leader Manufacturing Support & QM Manual – Manitowoc Crane Group, Wilhelmshaven</p> <ul style="list-style-type: none"> - Leading of Line Inspectors (Functional und disciplinary) - Leading of the Team Internal Audits (Functional und disciplinary) - Operating figures definition and Reporting - Support for switching processes to LEAN Management - Audit preparation and planning (according VDA 6.1 and VDA 6.3) - Tracing of determinations of Audits - Process-Audits (VDA 6.3) - 8D-Report Management - Customer Complaint Management incl. root cause analysis and actions - Definition of Quality targets and determination of actions to reach the targets

- Supervision and Preparation of certification audits
 - Revision und Compilation von QM process instructions
 - Maintenance of the QM Manual
- 06/2008 – 05/2009 FMEA – Moderator Design and Process FMEA's –
Mann + Hummel Automotive GmbH, Bad Harzburg
- Compilation of FMEA Structures for Plastic Products made in Injection moulding and Blow moulding technology using APIS IQ FMEA 5.1
 - Conjunction of Functions and Malfunctions
 - Moderation
 - Analysis: Pareto-Analysis, Scheduling
 - Management of Moderations and team meetings
- 11/2009 – 06/2010 Data Manager, Consultant-Project
- I maintained the "product description database sales" within the Audi AG, Ingolstadt.
I erected new models, maintained changes and configurations within the database.
I also analysed global sales data and prepared reports.
- 07/2010 – 02/2011 System-Engineer, Consultant-Project
- Consultant for development of solutions for systems on locomotives at Bombardier, Zurich and Mannheim
- Investigation for root causes of defects in battery charger units of high speed trains
 - Development of a solution for transmission of energy consumption data using a customer favored modem
 - Assistance for analysis for functional safety according EN 50126, 50128, 50129
- 03/2011 – 11/2011 System-Engineer, Consultant-Project
- Consultant for homologation of trains at Siemens AG
- Realisation of the homologation of Multiple Units with European Authorities
 - Documentation of homologation activities
 - Coordination of departments according verification and handling of authorities' comments
 - Support of sales proposals under the aspect of requirements
 - Participation at international boards for adjustment of certification requirements
- 12/2011 – 05/2012 Projectmanager for Train Components, Consultant-Project
- Consultant for homologation of train components, Siemens AG
- Check of specifications according fulfilled requirements from the requirement management
 - Redundant and contradictory requirements, specially according RAMS/LCC, M/CM
 - further verifications
 - Completeness of specified documentation
 - Assurance of involvement of all departments into the process of

examination

- Assurance of synchronisation of all deadlines from the supplier contracts with the project schedule
- Demonstration of change requirements within the specifications
- Assurance that all requirements and deadlines are communicated with the purchasing department and confirmation of them
- Survey of the deadlines for delivery of by the purchasing department ordered sets of documents
- Order of all documents which are required for first article inspection internally and externally
- Organisation of first article inspection at the supplier. Definition of date, location and coordination of first article inspection in cooperation with the supplier, invitation for first article inspection.
- Assurance that all requirements for execution of first article inspection (FAI) are fulfilled.
- Filing of the documents according work orders for execution of FAI in the SAP system.

05/2012 – 05/2013

Developer Customer Team Volvo, Consultant-Project

Developer for the Seat Systems of cars at Brose in Coburg

- Change management of parts and components of seat systems
- Processing of customer changes
- Tracking of changes and controlling of their deadlines
- Analysis of damages, definition of remedial actions
- Coordinator customer team – Prototype Workshop

07/2013 – 06/2014

Developer Console and Armrest, Consultant-Project

Developer for Consoles and Armrests of cars at Grammer in Amberg

- Adaption of carry over parts for Bentley
- Processing of customer changes
- Tracking of changes and controlling of their deadlines
- Analysis of FEA calculations and customer requirements
- Coordination with customer's engineering and internal Departments
- Analysis and Termination of Process problems

07/2014 – 12/2014

Analyst for prototype returns, Consultant-Project

Analyst for several product returns of prototypes at Schaeffler Group in Herzogenaurach

- Planning, execution und analysis of prototype returns
- Creation of a concept for organization and execution of returns analysis of customer tested prototype parts
- Quality management
- Coordination, organisation and assembly of the investigations and their results from central offices like material sciences, chemical laboratory, micro-inspection room a.s.o. after clearance with the product responsible engineers
- Microscopic analysis of bearing surfaces
- Creation of the final reports

- Report of the results, that the feedback of the test results will flow into the development processes systematically

07/2015 – 03/2016

Problem Manager, Consultant-Project

Problem Manager for Automotive Steering Systems at
Bosch Automotive Steering Systems in Schwäbisch Gmünd

- Take over of Problem Reports from customer VW, Registering in database Clear Quest
- Delegation into the involved departments for analysis
- Collection of results, input in database Clear Quest
- Report to the customer, Answering of customer's questions
- Closure in database Clear Quest

04/2016 - 09/2016

Technical Project Manager, Consultant-Project at
Continental Automotive, Babenhausen

- Delivery of a functional and validated technical system.
- System Engineering Rolls (Requirements Engineering, Product Architecture, Product-Integration).
- Technical part of the project schedule: Synchronising schedules of disciplines (Hardware, Software, Mechanic, CoC Display and Testing) to reach the next project phase.
- Collection and reporting of results of work from involved technical disciplines
- With the project manager: Reporting of the project progress in internal meetings
- Clearing of technical questions and problems face to face with the customer
- Generation of the Engineering-Release-Checklist on Systemlevel (Tracking of SE Documents)
- Overview of the status of checklists from departments HW, SW, ME, CoC Display) also reported for release by the Technical Responsible
- Generation and coordination of FMEAs
- Technical part of the Risk-Management. Activities in the project

09/2016 – 12/2016

FMEA Moderator, Consultant-Project

Moderation of Process - FMEAs Contact lens manufacturing at
Alcon, Grosswallstadt

- Revision of existing FMEA of manufacturing process.
- Moderation of the FMEA with module responsible persons.
- Actualisation of the modules, maintenance of process changes.

- 12/2016 – 04/2017 Manufacturing Manager, Consultant-Project
- Manufacturing Planning and Steering ICE - Revision and Regio Train Revision at Deutsche Bahn AG, Nürnberg
- Damage Analysis of incoming trains
 - Fine planning of the manufacturing process
 - Steering of the manufacturing process
 - Logistic management of the manufacturing process
- 05/2017 – 08/2017 Senior Consultant - Improvement of supplier Quality at Deutz AG in Köln
- Introduction of a working Complaint Management
 - Work out of an effective control system for 8D-Reports of the supplier
 - Development of effective Process-Optimisations to assure retraction of failures in the manufactured products made by supplier and for judgement of the supplier's 8D-Reports
 - Optimisation of the operational complaint process (8D)
 - Optimisation of the internal root cause examination process
- 10/2017 – 03/2018 Consultant Electrical Installation Coradia Trains at Alstom in Salzgitter
- Check of assembly locations of electrical equipment
 - Check of cable routing and electrical circuits
 - Check of cabling bill of materials
 - Identification of electrical equipment and assembly material. Integration of new material into the data base
 - Generation of electrical documentation and circuit principle drawings in Visio
- 04/2018 – 09/2018 Consultant Supplier Software Quality Assurance Coradia Trains at Alstom in Salzgitter
- Grab of software documentation on subsystem level, device software, and service software from ALSTOM s storages as maintained by Subsystem Engineers.
 - Inspections of software documentation and evaluation of fulfillment of requirements based on checklists. Their subsystem specific instances are derived from their already prepared templates.
 - Inspection of the consistency between software deliveries and the joint software documentation.
 - Preparation of software quality assurance reports on subsystem level.
- 11/2018 – 12/2018 Consultant Commissioning at Stadler in Velten
- Commissioning of electric trains within the Project Subway Berlin Type IK18
 - Check and clearance of functional technical failures
 - Generation of test procedures and test instructions
 - Check of existing test instruction concerning plausibility
 - Consulting with adjacent departments
 - Generation of type test instructions
 - Execution of functional type tests on board of the trains

- 01/2019 – 03/2019 Consultant Training for personnel of Diesel locomotives at Vossloh, Kiel
- Generation of an analysis of the training program catalogue
 - Generation of an analysis of the technical documents in relation to circuit diagrams, hydraulic schemes, compressed air schemes, work instructions for maintenance, locomotive driver manual, bill of materials, spare parts catalogue
 - Generation of an analysis concerning requirements of the guide lines
 - Generation of the guide line „Train driver“ on the base of the earlier generated analyses
 - Generation of the guide line „Service staff“ on the base of the earlier generated analyses
 - Generation of a technical documentation
- 05/2019 – 06/2019 Administrator at Hottinger Baldwin Messtechnik (HBM), Darmstadt
- Preparation of moving Share File Server
 - Editing of .bat- and .ini- files on all concerned computers
 - Corrections of access rights
 - Processing and Test of modifications locally on all concerned computers
 - Reporting
- 07/2019 – 08/2019 Consultant at Valeo, Garching
- Validation of defined requirements of customer ALSTOM of the HVAC-Systems for Rolling Stock Railway Vehicles with technical aspects of Valeo's HVAC-Systems used in busses.
- Analysis
 - Requirements comparison
 - Measure catalog
 - Rough planning (Structureplanning, Ressource planning, Cost planning, Time scheduling, Risik management)
 - Documentation
- 09/2019 – 03/2020 Train Manager in Validation Team for the Project „Inter City Next Generation“ at Alstom, Salzgitter, working location Velim, Tschech Republik
- Preparation of test execution with the Test Manager
 - Check of the train concerning the ability to finish the tests
 - Execution of the tests on board of the train
 - Formal transmission of the status to the central control room of the Test Center
 - Creation of failure reports
 - Operative coordination of all actors on board
 - Securance of safety of all persons on board the train being involved in tests
 - Administration of valid prevention plan
 - Assurance of correct administration of the configuration of the test train set

- 07/2020 – 09/2022
- Systemengineer in Customer Solutions Team for the Project „ETCS Level 2 Trackside DB AG“ at Thales in Berlin
- Analysis of customer requirements, collaboration at System design, Creation of system specifications
 - Modelling of feature-based architectures and system functions
 - Creation of System safety concepts
 - Creation of system documents, review of product specifications / - architectures
 - Technical expert monitoring inclusive troubleshooting
- 02/2023 - 08/2023
- System engineer integration ETCS on vehicles at Siemens in Berlin
- Creation of the signalling and communication technology system concept and the system architecture
 - Analysis of the overall system including clarification and documentation of the technical and operational requirements
 - Control of the overall system integration
 - Requirements management regarding technical customer requirements
 - Technical contact for internal and external
 - Interface coordination in relation to the system architecture
 - Preparation of the necessary planning documentation for the above tasks
- 09/2023 – 11/2023
- Commissioning of vehicles People Transport System Frankfurt Airport at Alstom in Frankfurt
- Management and supervision of the commissioning of CityFlo 650 equipment;Fertigstellung,
 - Examination and forwarding of approval documents
 - Implementation of initial commissioning (new baselines) and adaptation of the corresponding templates
 - Driving trains or operating signalling systems or any skills related to the CBTC system
 - Special investigations for the project on site (Frankfurt)
 - Commissioning CityFlo 650
 - Creation of test instructions
 - Revision and further development of circuit diagrams
 - Loading the system software for different subsystems and components
 - Analyzing System Errors After Reading Data Memories
 - Software functional tests
 - Organization of workflows
 - Creation of the signalling and communication system concept and the system architecture
 - Analysis of the overall system, including clarification and documentation of technical and operational requirements
 - Control of overall system integration
 - Requirements management with regard to technical customer requirements
 - Technical contact person for internal and external applications
 - Interface coordination with regard to the system architecture
 - Preparation of the necessary planning documentation for the above-mentioned tasks

12/2023 – 05/2024

Mobile Multimedia Information Systems Manager Services at Alstom in Braunschweig

- Checking the customer's requirements (e.g. project/site reference) with regard to the technical feasibility of IT solutions (e.g. applications, software, databases with a focus on maintenance/services).
- Check and define existing technical solutions for suitability and application.
- Develop constructive solutions and clarify/coordinate them with departments/corporations.
- Perform cost calculations based on the selected solutions.
- Coordinate appointments with the customer as needed.
- Prepare documentation/training materials for documentation.
- Preparation of maintenance schedules, vehicle structure, fault codes, work instructions.
- Coordination of the interaction of the *interfaces.
- Collaboration through continuous comparison with target requirements in coordination with the implementing interface*.
- Track compliance with objectives (quality, costs, deadlines) and, if necessary, propose and initiate remedial measures.
- Monitor/check the success of measures (e.g. evaluation of test runs).
- Status reporting to project management and, if necessary, escalation (e.g. in case of budget overrun, non-fulfilment of core requirements).
- Processing of project-specific inquiries (e.g. from departments, corporations, customers) during the project period.
- Check technical problems with regard to suitability and possible use, as well as coordinate them with the inquirer.
- Forward and monitor coordinated requests for implementation.

Technical knowledge

User Software	MS-Office (Word, Excel, Access, Power Point, Publisher) MS-Project Adobe Page Maker, Acrobat Professional, Photoshop, Image Ready Paint Shop Pro 7 APIS IQ-RM 5.1 SAP Lotus Notes Tractivity, Trainconf
Operating systems	MS Windows 95,98,2000 Prof. und XP Prof., Vista Ultimate, Windows 7 Ultimate, Windows 10 Pro Network configuration and administration
CAD-Systems	CADdy ++ Elektrotechnik
Special Knowledge	Special purpose machinery manufacture Packaging technology (Industry general) Rail vehicle technology Design electrical systems Quality management Auditor (internal and external) Trainer (in Management Curriculum) Electric Drives, Diesel hydraulic Drives SPS-Programming via man-machine interface (functional conjunctions) Plastic Injection moulding and Blow moulding technology Customer Support Compilation of requirements specification and Controlling Controlling/Target Costing Purchasing / Supply chain management Marketing Leadership experience Weaponry knowledge exam, Weapons exam Explosives permit reloading, black powder, manufacture of pyrotechnical objects, ammunition Explosive license Reloading, Gun powder Propulsion chain Locomotives (Damage analysis Converter, Traction engines and Drives, Claim defence, Development), Project management, FMEA, QDC, SAP, 8D-Report, PPAP, APQP, VDA 6.1 and 6.3, ISO TS 16949, Conflict management, Contract management, Risk management, Configuration- and Change management, Business administration, Claim management, Negotiation methods, Social competence, Six Sigma (basics), Time management, REFA Basics, Production facilities layout, Manufacturing planning and rationalisation with using MS Project, Project- und Production management using MS Project, Time calculation, Product calculation, Strategic Purchasing, Material logistic, Storage organisation, Work place design, Disposition, Availability planning, Storage cost optimisation.
Languages	English business negotiation level, French fluent, German native tongue
Driving licenses	Classes 1, 3 (EU: A, A1, B, BE, C1, C1E, CE, M, L, T/S)
Private Pilot License	PPL(A)