



## **Profile**

**Dipl.-Inf. Paul-Roux Wentzel**

## Profile

### Dipl.-Inf. Paul-Roux Wentzel

05.05.1977 in Berlin



Immenstadt im Allgäu, 13.11.2024

## PERSONAL INFORMATION

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How can I support you? I am an experienced and reliable Consultant who will help you solve your problems.

I offer **Consulting, Coaching, Trainings** and **Project Support** in system and software development.

I provide you with **practical experience** from more than **26 years** of consulting and engineering in more than **47 English and German** projects and with my knowledge from more than **255** performed trainings and **35 publications**.

Among my customers are well-known companies in **finance, automotive, telecommunications, healthcare** and **defence** such as Siemens, Cortal Consors, Continental, T-Systems and Raytheon Anschutz.

I am the author of **three books** (currently only available in German): "Implementation of SPICE in Organizations. A practical Guide", "Improving processes with CMMI" and "Project Portfolio Management in IT".

I support you together with my **partners** with Presentations, Consulting, Coaching, Trainings and Project Support for the following topics:

- Soft Skills
- Systems Engineering
- Requirements Engineering
- Functional Safety
- System- & Software Architecture
- Test & Quality Assurance
- Tool Evaluation and Rollout
- Project Management
- Process Improvement according to CMMI & SPICE

CUSTOMERS

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**Bosshard & Partner**  
Unternehmensberatung





## REFERENCES

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### **SVA System Vertrieb Alexander GmbH**

„Paul-Roux Wentzel consults our team regarding Engineering Life Cycle Management and IBM Jazz. Due to his broad and also detailed knowledge, his high social competence and his reliability he also supports us with consulting our customers.“

Karsten Sikora, Head of Competence Center Engineering Lifecycle Management (ELM)

### **Opitz Consulting Deutschland GmbH**

„On our behalf Paul-Roux Wentzel leads two subprojects for one of our biggest international customers. The subprojects are part of an important strategic project to introduce IBM Jazz as a new Application Lifecycle Management Tool for electronics development and autonomous driving. The collaboration with Mr. Wentzel is competent, pleasant, based on respective trust and is to the advantage of both parties.“

Christoph Junk, Senior Manager Sales

### **Ferchau GmbH**

„Paul-Roux Wentzel is working on site for one of our most important international customers. His activities include operating and developing a Requirement Management System in a complex environment. Because of his vast experience the project is conducted very competently. We and our customer completely trust Mr. Wentzel.“

Dietmar Schönherr, Business Manager IT

### **Finnova AG**

„Paul-Roux Wentzel has very competently performed Requirements Engineering trainings to the highest satisfaction of all participants. These trainings were the foundation of a common understanding of Requirements Engineering among our business analysts. These trainings were the starting point for our process improvement activities.

We commissioned Mr. Wentzel based on a recommendation of sofismo AG and Fahney Anforderungsingenieurwesen GmbH. For future trainings and consulting regarding business analysis and requirements engineering we would very much like to work with these partners again.“

Wolfgang Irowec, Head of Business Analysis

### **Continental AG (I)**

„One of the critical points when rolling out a business critical tool as PTC Integrity is the training of the users. We received professional support from Method Park and Paul-Roux Wentzel in creating and improving the training material and in performing the training at our several international locations.

The trainers have very quickly understood the way of working in our business unit and are able to convey this to the users. By these very specific and practical tool trainings a quick rollout of PTC Integrity configured with the Continental configuration IMS can be achieved.

Oliver Bernert, BU Engine Systems, IMS Rollout Manager

### **ANECON Software Design and Consulting GmbH**

„In cooperation with Paul-Roux Wentzel and Fahney Anforderungsingenieurwesen GmbH the ANECON Software Design und Beratung GmbH performed from March 2011 to March 2013 as an important addition to our product and training portfolio accredited requirements engineering trainings in order to prepare our customers for the IREB certificate.

Our customers, too, have assessed these trainings as very good and gave feedback that the trainings added real value to them and their companies.

We also had our own employees trained. By doing this, our company reached a level of knowledge that enabled us to consult and coach our own customers to their fullest satisfaction. Additionally, we were able to build up our own IREB training.

We thank Paul-Roux Wentzel and Fahney Anforderungsingenieurwesen GmbH for the extremely successful cooperation.”

Dr. Johannes Adler, CEO ANECON Software Design and Consulting GmbH

### **Bosshard & Partner**

“Since autumn 2010, Paul-Roux Wentzel and Fahney Anforderungsingenieurwesen GmbH cooperate with us. On our behalf they provide IREB® registered public trainings for Requirements Engineering as well as individual trainings at our customers' sites. The cooperation with both partners is exceptionally productive and trustworthy. They perform their trainings in a highly professional manner and to the complete satisfaction of our customers.

Bosshard & Partner thanks for and highly appreciates these valuable business relationships, and is looking forward to further cooperation.”

Claude Bosshard, CEO, founder and owner of Bosshard & Partner

### **Continental AG (II)**

„As consultant, Paul-Roux Wentzel supported our SPICE-improvement program for our customer projects with his knowledge and experience. With his support we were able to perform customer audits to the highest satisfaction of our customers. Paul-Roux Wentzel has our full trust in all matters of SPICE and process improvement.”

Martin Maasz, BU Fuel Supply / Procedures and Processes Engineering

### **Marquardt GmbH**

„Mr. Paul-Roux Wentzel created a Training adapted to our needs regarding Requirements Engineering with DOORS. In this training he included our processes, our tools and his great knowledge about Requirements Engineering. He conducted the training at several Marquardt locations. For the participants the trainings were very informative, lively and completely satisfied their expectations.”

Werner Horn, Human Resources / CHD-RI

### **Continental AG (III)**

„Paul-Roux Wentzel is a most important part of our Tool Management team. He supported our internal customers to their uttermost satisfaction for the requirements and change management tool MKS RM / IM. Additionally, he improved our processes according to ITIL V3 and helped realizing a new information model for our change management system. We owe him the introduction of a systematic knowledge management. His great work experience, his quick grasp of even the most complicated problems, his excellent team playing and soft skills allow him to solve the most difficult problems in a highly dynamic environment.“

Helge Landgraf, Head of EBS Tool-Management

### **WaveLight GmbH**

„Paul-Roux Wentzel with his experience and competence has played a leading role in introducing and rolling out the requirements engineering tool CaliberRM in our company. As our consultant, he accompanied the introduction of the tool from the definition, configuration, training and piloting up to the rollout. Thanks to his professional support we could adapt and introduce the tool exactly to the needs of our projects.“

Mr. Christian Wüllner, Director Application Development

### **SalesParkOne GmbH**

„Paul-Roux Wentzel conducts several consulting projects on our behalf for our customers. The cooperation is very competent, reliable and is based on a great mutual trust. Paul-Roux Wentzel fulfills our customers highest standards. We are highly satisfied with his work.“

Mr. Thomas Albert, CEO

### **Method Park Software AG**

„With Paul-Roux Wentzel we managed to acquire a competent and reliable partner. On our behalf he conducts projects to the highest satisfaction of our customers. We draw on his professional support for trainings and projects regarding the topics Requirements Engineering, Systems Engineering and process improvement according to SPICE.“

Dr. Holger Höhn, Teamleader Consulting

### **GFT Resource Management GmbH**

„Paul-Roux Wentzel performs an IT project in our name for an international automotive supplier. The cooperation with Paul-Roux Wentzel is based on trust, reliability and competence. We and our customer are both highly satisfied with his performance.“

Verena Wenzel, Senior Sales Consultant

## **PARTNERS**

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## CURRICULUM VITAE

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Freelance Consultant (12/2009 – now)

Consultant at Method Park Software AG (04/2006 – 12/2009)

Product developer at Method Park Software AG (01/2006 – 03/2006)

Software engineer at Method Park Software AG (02/2002 – 12/2005)

Internship as software engineer at 3Soft GmbH, Focus on components, CORBA, embedded systems (06/2001 – 12/2001)

Tutor for first-year students of computer science at the university of Erlangen (11/1999 – 12/2000)

Software Engineer and module tester at Selltec GmbH (08/1999 – 10/1999)

Trainer for the lecture Theoretical computer science at the university of Erlangen (05/1999 – 07/2000)

Research assistant at the computing centre of the Friedrich-Alexander-University (01/1998 – 12/1998)

Studied computer science at the Friedrich-Alexander-University Erlangen-Nurnberg; Completion with a diploma degree in computer science (11/1996 – 12/2001)

PC administration and support at the French Army (Airbase 102 de Dijon, France) (10/1995 – 07/1996)

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## TRAINING

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IBM Jazz Overview

IBM Jazz DOORS NextGen Foundation and Administration

IBM Jazz Rhapsody Model Manager Foundations

IBM Jazz Rational Quality Manager Foundations

IBM Jazz Rational Team Concert Workflow and SCM

IBM Jazz Global and Local Configuration Management

Jira Essentials

IntCCM® Certified Configuration Manager

How to Lead teams

iNTACS® Certified Provisional Assessor (Automotive SPICE)

SEI® Introduction to the Capability Maturity Model Integration (CMMI®)

IREB® Certified Professional for Requirements Engineering

iSQI® Certified Professional for Project Management

IEC 61508 for safety critical Systems

Professional Software project managements

Management of software projects

Sell and act like a salesman

Telelogic Certified Professional for DOORS (Processes and Methods)

Telelogic Using DOORS for Requirements Management

iSQI® Certified Professional for Software-Architecture

ISTQB® Certified Tester Full Advanced Level

ISTQB® Certified Tester Advanced Level Functional Tester

ISTQB® Certified Tester Advanced Level Technical Tester

ISTQB® Certified Tester Advanced Level Test manager

ISTQB® Certified Tester Foundation Level

SPICE

Introduction to the V-Modell XT

Presentation and moderation

Networks; Training of the RRZE (Computing centre of the University of Erlangen)

Unix; Training of the RRZE (Computing centre of the University of Erlangen)

## TRAINING SKILLS

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IBM Jazz Overview and IBM Jazz DNG, RTC, RQM, SCM, RMM, GCM

Systems Engineering practice with SysML

IREB® Certified Professional for Requirements Engineering

Test of embedded Systems

ISTQB® Certified Tester Foundation Level

ISTQB® Certified Tester Advanced Level Test Manager

ISTQB® Certified Tester Advanced Level Technical Tester

ISTQB® Certified Tester Advanced Level Functional. Tester

Using DOORS

Hands-On-Workshop Requirements Engineering und SPICE



## PROJECTS

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Test Manager for the Deployment of new IBM Jazz Versions.

**Anstellung:** Freelance Consultant

**Kunde:** Continental AG, Opitz GmbH, IBM

**Domäne:** Automotive

**Teamgröße:** 50 Persons

**Projektbeteiligung:** 0,5 Years

**Zeitraum:** 06/2024 – now

**Rolle:** Test Manager

**Projektumgebung:** IBM Jazz, BMC Helpdesk, Jira / JSD

Developer and consultant for automation, customer specific extensions and migration for IBM Jazz.



**Anstellung:** Freelance Consultant  
**Kunde:** Continental AG, Opitz GmbH, IBM  
**Domäne:** Automotive  
**Teamgröße:** 10 Persons  
**Projektbeteiligung:** 1,5 Years  
**Zeitraum:** 06/2023 – now  
**Rolle:** Developer and Consultant  
**Projektumgebung:** IBM Jazz, Python, OSLC, REST, BMC Helpdesk, PyCharm, Postman, Jenkins

Consultant and trainer to enhance knowledge of a team of consultants regarding IBM Jazz. Also support of concept reviews for several customer was part of the engagement.

**Employment:** Freelance Consultant  
**Customer:** SVA System Vertrieb Alexander GmbH, HELLA GmbH, thyssenkrupp AG  
**Domain:** Automotive  
**Team:** 10 Persons  
**Involvement:** 12 Days  
**Time Period:** 03/2021 – 12/2022  
**Role:** Trainer, Consultant  
**Project Environment:** IBM Jazz

Lead for the development, piloting and rollout of product line engineering concepts in the context of the application life cycle management tool IBM Jazz. Product Line Engineering contains with the topics reuse, configuration management, variant management and traceability. The engagement included process and method development, use case definition, concept development and -implementation, creation of detailed work instructions und coaching und consulting of the business units.

**Employment:** Freelance Consultant  
**Customer:** Continental AG, Opitz GmbH, IBM  
**Domain:** Automotive  
**Team:** 40 Persons  
**Involvement:** 3 years  
**Time Period:** 01/2021 – 12/2023  
**Role:** Project Lead, Consultant and Developer  
**Project Environment:** IBM Jazz, Pure Variants, Confluence, Jira

Creation and execution of trainings (onsite and online trainings) for the Application Lifecycle Management Tool IBM Jazz.

**Employment:** Freelance Consultant  
**Customer:** Continental AG, Method Park Software AG  
**Domain:** Automotive

**Team:** 5 Persons  
**Involvement:** 80 Consulting and Training Days  
**Time Period:** 01/2019 – 12/2023  
**Role:** Trainer  
**Project Environment:** IBM Jazz, Pure Variants

Trainer for a team of consultants in a program to gain know how regarding IBM Jazz.

**Employment:** Freelance Consultant  
**Customer:** MHP Management- und IT-Beratung GmbH  
**Domain:** Automotive  
**Team:** 10 Persons  
**Involvement:** 5 days  
**Time Period:** 04/2019 – 06/2019  
**Role:** Trainer  
**Project Environment:** IBM Jazz, Pure Variants

Consultant and Developer for the evaluation of a Requirements Management tool with focus on Reuse and Variant Management. Activities include requirements elicitation for the future RM tool, a market research regarding available RM tools, evaluating and assessing the tools against the requirements and finally selecting a tool (IBM DOORS NG und Pure Variants) for further evaluation, piloting and rollout.

**Employment:** Freelance Consultant  
**Customer:** Continental AG, Method Park Software AG, IBM  
**Domain:** Automotive  
**Team:** 8 Persons  
**Involvement:** 5+ years  
**Time Period:** 06/2017 – 12/2023  
**Role:** Consultant and Developer  
**Project Environment:** IBM DOORS NG, Siemens Polarion, Code Beamer, Pure Variants

Consultant and Developer for a Diff- and Merge tool for reused requirement documents in PTC Integrity. Activities include consulting the customer, requirements analysis, software design, development and test. The goal of the project is to make requirements reuse possible in a strongly platform oriented environment.

**Employment:** Freelance Consultant  
**Customer:** Continental AG, Method Park Software AG  
**Domain:** Automotive  
**Team:** 3 Persons  
**Involvement:** 9 Months  
**Time Period:** 04/2014 – 12/2022  
**Role:** Consultant and Developer

**Project Environment:** MKS, Redmine, Eclipse, Ant

Product Owner for the development of support tools for MKS. Activities include the execution of several Scrum projects, in detail requirements elicitation and analysis, test, deployment and project planning, monitoring and control. The goal of these projects was to increase effectiveness and efficiency by providing support tools for repetitive tasks in requirements reuse. In detail a diff and merge tool and a traceability graph for reused requirements were developed.

**Employment:** Freelance Consultant  
**Customer:** Continental AG, Method Park Software AG  
**Domain:** Automotive  
**Team:** 5 Persons  
**Involvement:** 36 Months  
**Time Period:** 01/2012 – 12/2014  
**Role:** Product Owner  
**Project Environment:** MKS, Redmine

Creation and execution of trainings for the Requirements and configuration management tool MKS in Germany, France, India, China, South Korea and Rumania.

**Employment:** Freelance Consultant  
**Customer:** Continental AG, Method Park Software AG  
**Domain:** Automotive  
**Team:** 15 Persons  
**Involvement:** 80 Consulting and Training Days  
**Time Period:** 10/2011 – 12/2014  
**Role:** Trainer  
**Project Environment:** MKS, Sharepoint

Consulting of the customer in order to reach SPICE level 2. The consulting included a gap analysis according to SPICE, workshops to define and tailor SPICE level 2 conformant processes and coaching of the process implementation. The goal of the project is to fulfil the customer requirement concerning the SPICE Assessment.

**Employment:** Freelance Consultant  
**Customer:** Continental AG  
**Domain:** Automotive  
**Team:** 15 Persons  
**Involvement:** 15 Consulting Days  
**Time Period:** 10/2010 – 01/2012  
**Role:** Consultant  
**Project Environment:** Method Park Stages, MS Office, MKS, DOORS

Support of a team to enhance and support MKS RM and TM: The goal was to provide continuous support for projects and users for the development tool MKS TM and RM. An additional task was the definition of the information model for an organisation wide uniform information model. Specific tasks were analysis, design, implementation and test of support cases according to ITIL and analysis and design of the new information model based on stakeholder requests.

Additionally, the task to streamline the processes according to ITL and define and introduce a knowledge management process was successfully completed. This amounted to 25% savings.

<b>Employment:</b>	Freelance Consultant
<b>Customer:</b>	Continental AG
<b>Domain:</b>	Automotive
<b>Team:</b>	15 Persons
<b>Involvement:</b>	10 years
<b>Time period:</b>	04/2010 – 12/2022
<b>Role:</b>	Consultant
<b>Project environment:</b>	ITIL, MKS SI, IM und RM, DOORS, Method Park Stages, MS Office, Lotus Notes, HP Service Manager, Wiki, MS SharePoint, Adobe Robohelp, Eclipse, Java, Javascript, Perl, HTML, RIF, XHTML, XSLT

Definition of the information architecture for the requirements engineering tool CaliberRM, Implementation of the information architecture in and configuration of CaliberRM, creation and performance of a training for CaliberRM for designated key users and administrators, coaching of the users during the piloting and rollout of CaliberRM. The goal of the project was to improve the requirements engineering by introducing a requirements engineering tool.

<b>Employment:</b>	Freelance Consultant
<b>Customer:</b>	Wavelight AG
<b>Domain:</b>	Medical
<b>Team:</b>	10 Persons
<b>Involvement:</b>	20 consulting days
<b>Time period:</b>	05/2010 – 07/2011
<b>Role:</b>	Consultant
<b>Project environment:</b>	CaliberRM, MS Office

Creation and performance of method trainings „Requirements Engineering with DOORS“. The goal of the project is to train the projects in company specific requirements engineering methods and the DOORS configuration.

<b>Employment:</b>	Freelance Consultant
<b>Customer:</b>	Marquardt GmbH
<b>Domain:</b>	Automotive
<b>Team:</b>	4 Persons
<b>Involvement:</b>	9 Consulting Days
<b>Time Period:</b>	01/2011 – 07/2011

**Role:** Consultant, Trainer  
**Project Environment:** Method Park Stages, MS Office, DOORS, Serena Dimensions

Coordination of the book project „SPICE im Unternehmen einführen “. Coordination of the other authors, planning and controlling of milestones with the authors and the publisher. Writing parts of the book.

**Employment:** Freelance Consultant, Method Park SW AG  
**Customer:** -  
**Domain:** Training, Finance  
**Team:** 12 Persons  
**Time period:** 07/2008 – 03/2010  
**Role:** Project manager, Author  
**Project environment:** Method Park Stages, MS Office

Consulting for the process improvement of a development process according to SPICE level 3 including process definition, piloting and rollout for a leading development company of semiconductors. The process was assessed at SPICE Level 3.

**Employment:** Freelance Consultant, Method Park SW AG  
**Customer:** NEC Electronics (Europe) GmbH (Renesas Electronics Corporation)  
**Domain:** Automotive  
**Team:** 7 Persons  
**Involvement:** 10 Consulting days  
**Time period:** 07/2007 – 01/2010  
**Role:** Consultant  
**Project environment:** MKS SI, MKS RM, MS Office

Preparation of a project team for an automotive SPICE level 3 assessment for an international automotive supplier: The project team was facing an assessment by the customer. By coaching the team for the assessment the best possible assessment result could be achieved.

**Employment:** Freelance Consultant, Method Park SW AG  
**Customer:** Continental AG  
**Domain:** Automotive  
**Team:** 15 Persons  
**Involvement:** 15 Consulting days  
**Time period:** 10/2009 – 01/2010  
**Role:** Consultant  
**Project environment:** MKS SI, IM und RM, DOORS, Method Park Stages

Consulting of a development company of distributed embedded solutions for buildings on the topics system design, project management, change management and requirements

engineering. The project was about to be terminated unsuccessfully and by identifying and solving the most important problems the project could be terminated successfully.

**Employment:** Freelance Consultant, Method Park SW AG  
**Customer:** Insta GmbH  
**Domain:** Solutions for buildings  
**Team:** 5 Persons  
**Involvement:** 13 Consulting days  
**Time period:** 06/2007 – 03/2008; 01/2010  
**Role:** Consultant  
**Project environment:** Rhapsody, Buggenie, Subversion, Enterprise Architect, Jira, Arcway Cockpit

Coordination of the creation of a systems engineering training.

**Employment:** Freelance Consultant, Method Park SW AG  
**Customer:** -  
**Domain:** Training  
**Team:** 3 Persons  
**Time period:** 10/2007 – 04/2008; 04/2010  
**Role:** Seminar writer  
**Project environment:** Method Park Stages, MS Office

Coordination and improvement of a requirements engineering training based on the IREB syllabus.

**Employment:** Freelance Consultant, Method Park SW AG  
**Customer:** -  
**Domain:** Training  
**Team:** 4 Persons  
**Time period:** 10/2005 – 04/2006, 02/2010  
**Role:** Seminar writer  
**Project environment:** Method Park Stages, MS Office

Planning and moderating workshops, visiting conferences and giving trainings on the topic of requirements engineering in English and German.

**Employment:** Freelance Consultant, Method Park SW AG  
**Customer:** Audi AG, Giesecke & Devriant GmbH, Daimler AG, Eplan GmbH & Co. KG, Cortal Consors S.A., T-Systems GmbH, Continental AG in Germany, Mexico, USA and China, Vodafone Group, Insta Elektro GmbH, Marquardt GmbH, Wago Kontakttechnik GmbH, Bundesagentur für Arbeit, Mercury GmbH, Public Trainings in Erlangen, Berlin und Stuttgart for the Method Park SW AG, Public Trainings for Bosshard and Partner in Zurich, Robert Seuffer GmbH & Co.KG, Lufthansa Cargo AG, Public Trainings for Anecon

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GmbH in Vienna, NKK Consulting AG, Rehaklinik Bellikon in Zurich, Finnova AG, Polarion GmbH, IAV, Bedag Informatik AG in Bern, Hella Aglaia Mobile Vision GmbH, MED-EL GmbH in Innsbruck, wega Informatik AG in Basel

**Domain:** Automotive, Finance, Training, Automation, Building solutions, Public Services, Defence, Software development, Telecommunication, Insurance

**Team:** 3 – 18 Persons

**Time period:** 01/2005 - now

**Role:** Consultant, Trainer

**Project environment:** Borland CaliberRM, Telelogic DOORS, IRQA, MKS RM, Serena Dimensions RM, Arcway Cockpit, MS Office

Planning and moderating workshops, visiting conferences and giving trainings on the topic of systems engineering and functional safety in English and German.

**Employment:** Freelance Consultant, Method Park SW AG

**Customer:** Siemens AG Healthcare, Raytheon Anschutz GmbH, NEC Electronics (Europe) GmbH (Renesas Electronics Corporation), Baumer Optronic GmbH, Public Trainings in Erlangen

**Domain:** Training, Defence, Medical, Measurement Engineering, Navy

**Team:** 3 – 18 Persons

**Time period:** 01/2005 - now

**Role:** Consultant, Trainer

**Project environment:** Borland CaliberRM, Telelogic DOORS, IRQA, MKS RM, Serena Dimensions RM, Arcway Cockpit, MS Office, SysML

Planning and moderating workshops, visiting conferences and giving trainings on the topic of testing in English and German.

**Employment:** Freelance Consultant, Method Park SW AG

**Customer:** General Motors Corporation (USA), Knorr Bremse AG, Siemens Informations Systemes Ltd. (Indien), SAP AG, Insta Elektro GmbH, Diehl Aerospace GmbH, Telekom AG, Giesecke & Devriant GmbH, Leopold Kostal GmbH, Public Trainings in Erlangen und München

**Domain:** Automotive, Training, Automation, Building solutions, Defence, Aviation, Software development, Telecommunication

**Team:** 3 – 18 Persons

**Time period:** 01/2005 - now

**Role:** Consultant, Trainer

**Project environment:** JUnit, Telelogic DOORS, MicTestTool, Tessa, Lint, QAC, MS Office

Planning and moderating workshops, visiting conferences and giving trainings on the topic of software and system design in English and German.

**Employment:** Freelance Consultant, Method Park SW AG  
**Customer:** Insta Elektro GmbH, Artis GmbH, Marquardt GmbH  
**Domain:** Automotive, Automation, Building solutions  
**Team:** 3 – 18 Persons  
**Time period:** 01/2005 - now  
**Role:** Consultant, Trainer  
**Project environment:** Rational Rose, Together/J, MS Visio, Poseidon Gentleware, Telelogic Rhapsody Modeler, Enterprise Architect, MS Office, UML

Planning and moderating workshops and assessments according to CMMI and SPICE,

**Employment:** Freelance Consultant, Method Park SW AG  
**Customer:** BDT AG, Artis GmbH, EBM Pabst Gruppe, Helbako GmbH, Insta Elektro GmbH, MKS Inc.  
**Domain:** Automotive, Automation, Building solutions  
**Team:** 3 – 18 Persons  
**Time period:** 01/2005 - now  
**Role:** Consultant, Trainer  
**Project environment:** MS Office

Requirements engineering coaching to create system specifications for an international automotive supplier. The project team was about to pilot a new requirements engineering process and by coaching the team it was successfully able to do so.

**Employment:** Method Park SW AG  
**Customer:** Continental AG  
**Domain:** Automotive  
**Team:** 10 Persons  
**Involvement:** 10 Consulting days  
**Time period:** 06/2009 – 12/2009  
**Role:** Coach  
**Project environment:** MKS SI, IM und RM, DOORS, Method Park Stages

Definition of an information model for MKS RM and creation and performance of a customized requirements engineering training for an international automotive supplier (Germany, Hungary). Due to the consulting the customer was able to configure and introduce the new requirements engineering tool MKS RM.



**Employment:** Method Park SW AG  
**Customer:** Knorr Bremse AG  
**Domain:** Automotive  
**Team:** 30 Persons  
**Involvement:** 10 Consulting days  
**Time period:** 06/2008 – 12/2008  
**Role:** Consultant  
**Project environment:** MKS SI, IM und RM

Definition of an information model for MKS TM for an international automotive supplier (Germany, Hungary). Due to the consulting the customer was able to configure and introduce the new test management tool MKS TM.

**Employment:** Method Park SW AG  
**Customer:** Knorr Bremse AG  
**Domain:** Automotive  
**Team:** 30 Persons  
**Involvement:** 10 Consulting days  
**Time period:** 01/2009– 12/2009  
**Role:** Consultant  
**Project environment:** MKS SI, IM und TM

Concept for a SPICE level 3 conformant tool configuration. Due to consulting the tool developer was able to establish and sell a SPICE compliant tool configuration.

**Employment:** Method Park SW AG  
**Customer:** Serena ®  
**Domain:** Software development  
**Team:** 4 Persons  
**Involvement:** 5 Consulting days  
**Time period:** 01/2009 – 03/2009  
**Role:** Consultant  
**Project environment:** Serena Dimensions, Serena Business Mashups

Creation of a process definition, creation and performance of a customized requirements engineering training for an automotive supplier. In order to adapt the processes from ISO 15504 TR to Automotive SPICE the customer needed expert to rewrite the process description. In order to roll out the adapted process, a customized 1-day-training was created and given throughout the organization.

**Employment:** Method Park SW AG  
**Customer:** Marquardt GmbH  
**Domain:** Automotive  
**Team:** 5 Persons  
**Involvement:** 16 Consulting days  
**Time period:** 06/2008 – 12/2008  
**Role:** Consultant  
**Project environment:** IRQA

Coordination of the book project „Mit CMMI Prozesse verbessern!“. Coordination of the other authors, planning and controlling of milestones with the authors and the publisher. Writing parts of the book.

**Employment:** Method Park SW AG  
**Customer:** -  
**Domain:** Training  
**Team:** 12 Persons  
**Time period:** 03/2007 – 09/2008  
**Role:** Project manager  
**Project environment:** Method Park Stages

Coordination of a project for the definition of a coaching process. The employer wanted to create and sell coaching as a service. In order to do that, the service had to be defined.

**Employment:** Method Park SW AG  
**Customer:** -  
**Domain:** Process improvement  
**Team:** 3 Persons  
**Time period:** 09/2007 – 12/2007  
**Role:** Project manager  
**Project environment:** Method Park Stages

Consulting for the piloting of a development process according to SPICE level 3 for an international automotive supplier. The starting point was a defined process compliant to SPICE level 3. This process needed to be improved and rolled out into several projects. By tailoring the process and coaching the team I was able to successfully help rolling out the process.

**Employment:** Method Park SW AG  
**Customer:** Preh GmbH  
**Domain:** Automotive  
**Team:** 5 Persons  
**Involvement:** 40 Consulting days  
**Time period:** 03/2007 – 05/2008  
**Role:** Consultant  
**Project environment:** Method Park Stages, DOORS, Testtrack Pro, Surround SCM

Improvement of the training Certified Tester Foundation level based on the ISTQB syllabus 2005.

**Employment:** Method Park SW AG  
**Customer:** -  
**Domain:** Training  
**Team:** 3 Persons  
**Time period:** 10/2005 – 01/2006  
**Role:** Seminar writer  
**Project environment:** Method Park Stages

Creation of a syllabus for a DOORS user training.

**Employment:** Method Park SW AG  
**Customer:** -  
**Domain:** Training  
**Team:** 2 Persons  
**Time period:** 10/2005 – 02/2006  
**Role:** Seminar writer  
**Project environment:** Method Park Stages

Performance of Automotive SPICE compliant requirements engineering, change management and failure management and support of the introduction of Use Cases in DOORS for an international automotive supplier.

**Employment:** Method Park SW AG  
**Customer:** Delphi Delco Electronics Europe GmbH  
**Domain:** Automotive  
**Team:** 100 Persons  
**Involvement:** 15 months  
**Time period:** 10/2005 – 02/2007  
**Role:** Systems Engineering Lead, Coach  
**Project environment:** PVCS Tracker, DOORS, CM Synergy, Automotive SPICE®

Definition of a SPICE level 3 conformant software development process with focus on the requirements process. This included the development of a requirements specification template.

**Employment:** Method Park SW AG  
**Customer:** -  
**Domain:** Service Provider  
**Team:** 4 Persons  
**Time period:** 10/2005 – 10/2006  
**Role:** Process Engineer  
**Project environment:** Method Park Stages

Elicitation, analysis and documentation of system requirements for shock absorbers for cars with CAN communication. Methods used were use case analysis and requirements analysis. The organization was certified to SPICE Level 3.

**Employment:** Method Park SW AG  
**Customer:** Continental AG  
**Domain:** Automotive  
**Team:** 10 Persons  
**Involvement:** 20 Consulting days  
**Time period:** 08/2005 – 09/2005  
**Role:** Requirements Engineer  
**Project environment:** MKS RM, MKS Source Integrity, MKS Integrity Manager, MS Visio, Method Park Stages, HIS-Scope of SPICE

Elicitation, analysis and documentation of system requirements for independent vehicle heaters in cars with CAN communication. Methods used were use case analysis and requirements analysis. The organization was certified to SPICE Level 3.

**Employment:** Method Park SW AG  
**Customer:** Webasto GmbH  
**Domain:** Automotive  
**Team:** 5 Persons  
**Involvement:** 4 Months  
**Time period:** 03/2005 – 07/2005  
**Role:** Requirements Engineer  
**Project environment:** Borland Caliber RM, MS Visio, HIS-Scope of SPICE

Consulting for testing, development, project management, release management, requirements management, change management, design and test of a unit test tool.

**Employment:** Method Park SW AG  
**Customer:** Micronas Semiconductor Holding AG  
**Domain:** Semiconductors

**Team:** 6 Persons  
**Involvement:** 11 Months  
**Time period:** 03/2004 – 02/2005  
**Role:** Consultant, project manager and Software Engineer  
**Project environment:** Java, C++, C, Eclipse, MS Visio, Framemaker

Design, development and test of different modules and frameworks for an infotainment system for an international automotive supplier. Responsibility for a persistency framework and acoustic and visual route guidance. The process required participation in the requirements, change management, design and configuration management activities.

**Employment:** Method Park SW AG  
**Customer:** Grundig AG  
**Domain:** Automotive  
**Team:** 40 Persons  
**Involvement:** 22 Months  
**Time period:** 04/2002 – 02/2004  
**Role:** Requirements Engineer, Software Engineer and Architect  
**Project environment:** C++, Rational Rose, Rational Clearcase, QNX

Integration of the configuration management tool MKS SI into the web based tool Stages.

**Employment:** Method Park SW AG  
**Customer:** -  
**Domain:** Web applications  
**Team:** 2 Persons  
**Involvement:** 1 Month  
**Time period:** 03/2002  
**Role:** Software Engineer  
**Project environment:** Eclipse, JUnit, Method Park Stages

Design and development of a CORBA based component model for embedded systems in C++.

**Employment:** 3soft GmbH  
**Customer:** -  
**Domain:** Embedded development  
**Team:** 2 Persons  
**Involvement:** 6 Months;  
**Time period:** 04/2001 -10/2001  
**Role:** Software Engineer and Architect  
**Project environment:** C++, CORBA, Together/J

Development of a configuration tool, a parser and integration of a payment system into an online shop.

**Employment:** Selltec GmbH  
**Customer:** -  
**Domain:** Web applications  
**Team:** 2 Persons  
**Involvement:** 3 Months  
**Time period:** 08/1999 – 10/1999  
**Role:** Software Engineer  
**Project environment:** Java, Xerces

Development of an automated consistency check of a X500 database

**Employment:** Computation Center of the University of Erlangen  
**Customer:** -  
**Domain:** University  
**Team:** 2 Persons  
**Involvement:** 12 Months  
**Time period:** 01/1998 – 12/1998  
**Role:** Software Engineer and Architect  
**Project environment:** X500, Perl, Unix

Trainer for the lecture of Theoretical Computer Science I & II

**Employment:** University of Erlangen  
**Customer:** -  
**Domain:** University  
**Team:** 5 Persons  
**Time period:** 05/1999 – 07/2000  
**Role:** Trainer  
**Project environment:** Unix

Tutor for first-year students of computer science

**Employment:** University of Erlangen  
**Customer:** -  
**Domain:** University  
**Team:** 5 Persons  
**Time period:** 11/1999 – 12/2000  
**Role:** Coach  
**Project environment:** Unix

Administrator for PCs and Software

<b>Employment:</b>	French Army
<b>Customer:</b>	-
<b>Domain:</b>	Defense
<b>Team:</b>	4 Persons
<b>Time period:</b>	10/1995 – 07/1996
<b>Role:</b>	Administrator
<b>Project environment:</b>	Windows, MS Office

## PUBLICATIONS, PRESENTATIONS & CONFERENCES

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P. Wentzel: Customer Success Knorr-Bremse: Introduction of a Requirements Management Tool at Knorr-Bremse, Success Story with the customer Knorr-Bremse, [www.methodpark.de](http://www.methodpark.de), August 2010

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J. Ullrich, P. Wentzel: Customer Success Renesas: More effective software development according to SPICE, Success Story with the customer Renesas, [www.methodpark.de](http://www.methodpark.de), August 2010

P. Wentzel: Tricks and Tipps for Traceability: Traceable Requirements, Publication on the topic of traceability, Anywhere.24 Newsletter, May/June/July 2010

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P. Wentzel, J. Schmied, U. Hehn, M. Gerdorn: "SPICE im Unternehmen einführen. Ein praktischer Leitfaden" (Implementation of SPICE in Organizations. A practical Guide), Book on the subject of process improvement and SPICE, dpunkt, March 2010

P. Wentzel: „Was sagt CMMI zu Requirements Engineering?“ (What does CMMI have to say about requirements engineering?), Presentation on the subject of CMMI at the ISQI group Maturity Models, February 2010

P. Wentzel, G. Fessler, C. Hertneck: „Alles für die Tonne?“ (Everything in vain?), Publication on the topic of process improvement, Automobil Elektronik, Issue 6, December 2009

P. Wentzel: „Wie komme ich zu nachvollziehbaren Anforderungen“ (How to establish traceable requirements), Publication on the subject of requirements engineering, Proceedings of the conference for Embedded Software Engineering (ESE), December 2009

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J. Schmied, P. Wentzel, M. Gerdorf, U. Hehn: „Ausgereift. Mit CMMI Prozesse verbessern!“, Publication on the subject of CMMI in iX kompakt, Issue 03.2009, October 2009

P. Wentzel, U. Becker: „Das Netz der Traces knüpfen“ (Creating the traceability net), Publication on the subject of Traceability, in: Management und Qualität, Issue 09/2009, September 2009

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## METHODS & TECHNOLOGIES

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<b>Maturity Models:</b>	SPICE (ISO 15504), Automotive SPICE®, CMMI, ITIL, ISO26262, IEC 61508
<b>Programming Languages:</b>	Java, C++, C, Perl, Lisp, Prolog, VB, VBA, DXL, Shell script languages, Java Script, Python
<b>Operating Systems:</b>	Windows, Unix, QNX, Linux
<b>Technologies:</b>	ReqIF/RIF, J2SE, XML, CORBA, ODBC, SQL, JavaBeans, Xerces, CAN, LIN, HTML, XHTML, XSLT, OSLC, REST
<b>Methods:</b>	Systems Engineering, Requirements Engineering, UML, OOA, OOD, DesignPatterns, Use Case Analysis, Test, Error and Change Management, Knowledge Management, Incident Management, Project and Release Management, Product Line Engineering, Traceability, Reuse Management, Variant Management
<b>Development processes:</b>	V-Model, V-Modell XT, Scrum, XP, RUP, FDD, Kanban, SAFe

## TOOLS

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<b>Processes:</b>	Method Park Stages, MS Office
<b>Requirements Engineering:</b>	Borland CaliberRM, IBM DOORS, IBM DOORS Next Generation, IRQA, MKS RM, PTC Integrity RM, Serena Dimensions RM, Arcway Cockpit, Polarion, Pure Variants, Code Beamer
<b>Change Management:</b>	PVCS Tracker, Bugzilla, PTC Integrity Manager, Method Park Stages, Buggenie, Testtrack Pro, Serena Business Mashups, Jira, HP Service Manager, Redmine, IBM Engineering Workflow Management
<b>Design and Architecture:</b>	Rational Rose, Together/J, MS Visio, Poseidon Gentleware, Rhapsody Modeler, Enterprise Architect, IBM Rhapsody Model Manager
<b>Development:</b>	Eclipse, MS Visual Studio, Emacs, Ant, Maven, PyCharm, Postman, Jenkins
<b>Test:</b>	JUnit, Telelogic DOORS, MicTestTool, Tessy, Lint, QAC, PTC Integrity TM, Polarion TM, IBM Engineering Test Management
<b>Configuration Management:</b>	Rational Clearcase, CVS, CM Synergy, PTC Source Integrity, Surround SCM, Subversion, Serena Dimensions CM, GIT, GitHub, IBM SCM
<b>Incident Management:</b>	HP Service Manager, BMC Helpdesk
<b>Knowledge Management:</b>	Wiki, MS SharePoint, Adobe Robohelp, DocToHelp, Webworks Epublisher, Confluence

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