

Circulum Vitae



Andreas Orlowski

Dipl. Kaufmann / Business Administration Diploma

Year of Birth:	1964
Education:	Study telecommunications engineering undergraduate, Training in wholesale and foreign trade merchant, Economic Studies with Diploma in Business Administration
Professional Emphases:	Project Management for IT-Projects, IT-Consulting, IT- Conceptioning, IT-Architecture, Business Analyse, System Analyse, Software Development
Languages:	English (fluent, project- and international experience), German (native)
Industries:	Several years of practical experience in the telecommunications (from 1997), brand manufacturers and wholesale and foreign trade (before 1997)
Interests:	Photography, modeling, sport, sailing
Availability:	Expected to be available from October 2017

Expertise and Experience

Interfaces and Techniques:

Project Management by PMI/PMBok, PRINCE, ITIL, UML
System- and Data modelling by eTOM und SID
MS Visio, MS Project, MS Office (Word, Excel, Access incl. VBA-programming)
Rapid Prototyping (RAD), SCRUM Development, Content Management, Webservices with WSDL and XML via IP-Sockets und SOAP, XML, XSD for documentaion of XML strukture
SOA, EAI, good knowledge and experience in SOA-Design and Enterprise Application Integration
Very good knowledge and experience with Data Mining, Big Data / non-relational Data Models and with In-Memory-Data-Processing
Email technologies using POP3, SMTP, IMAP
Knowledge about several BSS/OSS, Process design, Process optimization and innovation management
Networking, good electrical knowledge
Navigation technologies GPS, AIS, NMEA

Operation Systems:

DOS, Windows (3.11, 95, 98, ME, NT, 2000, XP, 7, 8)
QNX (Real time Unix, Posix Standard)
Linux (Suse, Ubuntu, Debian), Unix (HP, Sun)
Linux webserver administration with Plesque
Android 2.3, 3.0, 4.0

Programming Languages:

Visual Basic 4.0/6.0, MS VBA, Pascal, C, C++, PHP, Java, Javascript
PL/SQL, HTML, CSS, Visual Basic 2008 / .net, SOAP, Python 2.x,3

Database Technologies:

MS Access 95/97/2000/2003, Oracle >6.x, MS SQL-Server >6.x, MySQL 4.x, Big-Data Applications, DBase, 1991 Development of an own performant database system as an alternative for DBASE

General Software:

Test IT, Mercury, HP Quality Center
Image editing and multimedia software, Programming of multimedia software for control of TV recordings, programming of video surveillance and alarm systems with image detection and alarm analysis, several BSS/OSS systems, especially CRM and ERP programs in general, personalization of content in web applications, web page editors

Business Expertise:

Years of experience of the business processes and the technology of telecommunications, especially mobile communications. From 2011, gained a good knowledge of the economic and energy smart metering processes. Very good knowledge and years of experience of BSS/OSS especially of Rating, Billing, Logistics and CRM, including data warehousing, marketing and sales, as well as sales planning and sales management. Very good knowledge and experience in the design and optimization of business processes. Very good knowledge in integrating new processes or system components into existing system BSS/OSS landscapes. Good knowledge of inventory management, logistics, accounting and controlling.

Projects

from September 2016 ...

Project manager and IT architect in the „truck toll 2018“ project at AGES GmbH & Co KG Langenfeld. Responsible for a make or buy decision, WAN connections, orientation of the IT architecture and project management. Furthermore responsible for PCI certification.

Technologies and Systems:

MS Office, MS Visio, MS Project, C#, MS SQL Server, MPLS, PCI

April 2016 – September 2016

Implementation of BI-Management-Reports for Campaign Management in healthcare business at Sanvartis GmbH Duisburg. Sanvartis processes campaigns for health insurances. The progress and the results of these campaigns are monitored and controlled by reports based on the CRM system and the DWH.

Technologies and Systems:

PL/SQL Development with Oracle DB, JXLS, Eclipse, Excel, Access

September 2015 – January 2016

Implementation of a sportboat navigation and monitoring system for electric rentalboats (myEBoat). A self developed interface measures the current and voltage and present these data on a display combined with GPS navigation data and the own position in a seemap and sending logfile via SMTP. Furthermore informations about the remaining battery capacity and the predicted travel time can be shown. For the professional usage other vessels can be shown with their positions, speed and directions with using AIS to prevent collisions.

Technologies and Systems:

Electronic circuits, Linux, Java, Python, GPS/AIS via NMEA, Geolocalisation

May 2015 – September 2015

Taking a time out for an extended journey to the USA and visiting my daughter on the bachelor graduation day in Tennessee. During summer setting up a second floatinghouse project with own design proposals and optimisations from the experiences from our first floatinghouse project. Further optimisations of the rental processes for our floatinghouse family company. Details shown under <http://www.xanten-floatinghouse.de>

Technologies and Systems:

Webservices, PHP, MySQL, Visual Basic, Excel-VBA

January 2015 – April 2015

Technical IT architect at Vodafone in a project that designed a SID data model for mobile antenna and configurations of these antenna. Translating existing data models of several systems to one SID data model. Designing mapping tables and WSDL files for webservices. Development of a search tool for Sparx Enterprise Architect to analyse SID structures after an export from Enterprise Architect.

Technologies and Systems:

Sparx Enterprise Architect, Webservices, MySQL, Visual Basic

November 2014 – Dezember 2014

Development of a webportal and optimization of processes for marketing our floatinghouse. Development of an electric smartmeter connected to a PC for reporting the electric consumption and the temperatures of the floatinghouse during the unlet period in winter. The collected data are send via HTTP to the webportal and provide alarm messages via email over SMTP and SMS if the temperature fell down or the electric consumption rises up.

Technologies and Systems:

Electrical circuits, USB, PHP, SMTP, Webservices, MySQL, Visual Basic

February 2014 – November 2014

Responsible for business process design and process negotiation for the new won customer Bayer AG Leverkusen for Vodafone. Preparation and conducting of workshops for adapting the processes for the Vodafone B2B interface. Creating of attribute mapping tables to connect Bayer via Datanet to the Vodafone B2B webservices as part of the BSS/OSS solution. Preparation and implementation of enterprise-wide end-to-end and integration testing, definition of test cases and test specification.

Technologies and Systems:

MS Visio, MS Project, SOAP, XML Scrum, DWH

June 2011 – January 2014

Responsible for IT concepts, IT architecture and implementation, E2E-test preparation und test processing of an energy management system (Energy Info / EDA ³) at Vodafone in Dusseldorf. Vodafone has the majority of base stations equipped with smart meters, which send electrical power and power consumption values in quarter hour intervals. EDA ³ imports this data, added BSS/OSS data and supports the site management, budgeting and auditing processes with consumption forecasts and specialized reports. For the consumption forecast a GUI has been developed which extrapolates the annual consumption of about 24,000 base stations on the basis of various adjustable parameters and the daily temperature data. The forecast results for each single base station can be stored as a basis for further processes in the database. The applied in-memory technology enables a simulation of the annual consumption with a reference to the budget data in real time. In addition, minute resolution data with variable structures and attributes of measurement boxes / sub meter will be stored in a non-relational data model (big data approach). These data will be analyzed by using hierarchical structured reports in a top-down approach.

Technologies and Systems:

MS SQL Server 2005, PHP, Javascript, Visual Basic (6+VBA), Apache Webserver, FTP, email over SMTP, ETL, DWH, BSS/OSS Integration

Dezember 2010 – May 2011

Project leader implementation operation at Vodafone in Dusseldorf. Responsible for the project "Enterprise Commissioning" for mapping the business requirements. These included the management of the requirements of a "managed service" and the formulation of a list of requirements for an

announcement. In addition, responsible for planning the overall project, evaluation of bidders and jointly responsible for the design of the offered technical architecture. The project was German and English, the documents were formulated exclusively in English.

Technologies and Systems:

MS Project, MS Office, Visual Basic (VBA) , DWH

July 2010 – March 2011

Project leader implementation operation at Vodafone in Dusseldorf. Responsible for the project "Logistic Terminal Alignment" for the successful management of the project from development to operation. Project scope was to consolidate parts of the doubled BSS systems, the hardware shipment for Vodafone fixed net (formerly Arcor) and Vodafone mobile into a single logistics service provider (Arvato/Bertelsmann). Test preparation, specification and test processing. The consolidation was launched successful and on schedule at the end of the fiscal year. The project was predominantly German, the documents were formulated in English.

Technologies and Systems:

MS Project, MS Office, Visual Basic (VBA), SAP, Webservices, BSS/OSS-Consolidation

December 2009 – May 2010

IT Architect for the ATLAS Program of the TelDaFax Holding in Troisdorf (closed to Cologne). Responsible for the concept of a sustainable and serviceoriented system architecture and the concept of a global datamodel as base of a SOA architecture that contains the telecommunication and the energy product requirements on one platform. Responsible for the preparation and performance of billing, CRM and SOA technology workshops.

Technologies and Systems:

MS Project, MS SQL Server 2005, MS .net technology, XML, webservices/WSDL, Visual Basic, PHP, Visio und Enterprise Architect for process design.

November 2009 – December 2009

Support for specification and design of an international mobile platform project at E-Plus mobile / KPN Group Germany. Introducing the experiences made in Brussels on integration of a MVNO platform to a GSM cellular network. Evaluation of a comprehensive change requests for the integration and connection of additional MVNO / MVNE from the European countries.

July 2009 – Oktober 2009

Summer sailing holidays. Of course, not without a small private project, the development of a sport boat navigator for Windows XP and Windows 7 with integration of GPS, AIS, Google Maps, Open Street Map and USB interface cards.

Technologies and Systems:

Visual Basic, PHP, XML/XSD, WSDL/Webservices, MS Access
Webpage of the MySBC system: <http://www.mysbc.de/>

Oktober 2008 – June 2009

Project management for the KPN subsidiary BASE in Brussels (now KPN Group Belgium NV / SA). Responsible for a wholesale billing

project and a geo-redundantly hardware project. Test preparation, specification and test processing for E2E test, user acceptance and integration test. The hardware project included the construction of two geographically separated and redundant hardware landscapes for the faultless and disaster-proof operating of a MVNO / MVNE environment which is connected to the BASE GSM mobile network and the BSS/OSS system landscape. It enables the MVNOs to offer GSM and other mobile services with an own brandname independently from KPN/BASE. Evaluation of an extensive change requests of the *TomTom GSM traffic information* system approach for the integration as an MVNO in the above mentioned geo-redundant MVNO GSM system landscape at BASE. The TomTom concept, which sends GPS location and motion-based-data information from the mobile to the MVNO platform via GPRS. The concept requires a very detailed analysis of the scaling of the system landscape because a TomTom GPRS session with constantly changing GSM cells generates a multiple of load in relation to an average mobile client. The project and business language was consistently english.

Technologies and Systems:

MS Project, MS SQL Server, diverse Protokolle zur Anbindung an die GSM Systeme (TCP/IP, INAP, CAMEL, http, SMTP, IMAP, FTP, XML/XSD, Webservices, WSDL u.w.), HP Openview, DWH, ETL, BSS/OSS-Integration

May 2008 – September 2008

Test management, test support and implementation of test cases to validate the BSS/OSS systems before launch. Optimization of test processes at Atos Origin GmbH (Itd.) in Essen.

November 2007 – May 2008

Sub project management for the QSC AG Cologne. Responsible for hierarchical customer structures in a SOA (Service Oriented Architecture) based architecture.

Test preparation, specification and test processing for E2E test, user acceptance and integration test. Optimisation of business processes and their IT realizations. Development of a prototype for demonstration SOA methods in an enterprise data model (SOA Master Data Management) connected to the existing BSS/OSS systems.

Technologies and Systems:

MS Access, MS SQL Server, MySQL -> Oracle 10g
SOA-Architektur, SOA – Webservices, email via SMTP
Visual Basic, PHP, Java, Javascript, BSS/OSS-Integration

July 2007 – October 2007

Design and implementation of the webportal <http://www.MyHomeTV.de>. The portal connects the home entertainment equipment with the internet. The user can control home or company devices with his mobile, PDA or notebook. The main focus is the mobile controlling of TV-recording, the monitoring over webcams and the controlling any devices over IO-ports.

Technologies and Systems:

VisualBasic, webservices, MySQL database, PHP

July 2006 – June 2007

Technical project management of a CRM ordermanagement project for T-Systems Enterprise Services GmbH and T-Systems Business Services GmbH in Frankfurt / Main in the enterprise CRM program

„Aviso“. Responsible for the integration of a new CRM system that linked the TSBS and the TSES system landscape. Responsible for the general project planning between TSBS and TSES. Planning, design and interface description of SOA services. Test case definition with Mercury Testdirector (now HP Quality Center)

Technologies and Systems:

Oracle-Siebel CRM, Version 7.x
Middleware CRM: Oracle-Siebel, Version 7.x
BSS/OSS-Integration of CRM
EAI: IBM Webmethods, SOA, webservices
Database: Oracle

June 2005 – July 2006

Technical sub project Management for T-Systems AG in Frankfurt / Main. Responsible for the connection of the IWS order configuration system to the CRM system and support of the test management. Conceptioning and implementation of prototypes for PoP localisation, budgetary pricing (offering).

Technologies and Systems:

Frontend: BHTML (Business HTML) with SAP-WebAS-Development (Web-Applicationsserver), PHP, Visual Basic
Middleware: SAP-WebAS
Database: IBM (covered from WebAS gecouvert), MySQL
BSS/OSS-Integration of IWS

Summer 2004 – June 2005

Technical project management for E-Plus Mobilfunk GmbH Dusseldorf. Responsible for the implementation of the „Free & Easy Bonusprogramm Phase II“ and integration into the BSS/OSS landscape. Test management , preparation and specification of test cases for user acceptance- and integration test and support of preproduction period.

Technologies and Systems:

Frontend: Internet, HTML, Javascript, Macromedia Flash-Player
Middleware: Bea/Tibco Weblogic, Netscape applicationserver
Datenbank: Oracle (inzwischen 9.x) , business processes in JEB's and Oracle Stored Procedures
DWH, ETL processing

Spring 2004 – June 2005

Technical project management for E-Plus Mobilfunk GmbH Dusseldorf. Responsible for design and implementation of the Electronic Customer Care. Optimization of the customer self care system and integration of a self designed personalising content management system. Integration of webshop functionalities into the contract extension process and the BSS/OSS system landscape. Test management as part of the technical project management with preparation and test processing for user acceptance- and integration test and support of preproduction.

Technologies and Systems:

Frontend: Internet, HTML, Javascript, Macromedia Flash-Player
Middleware: Bea/Tibco Weblogic, Netscape Applicationsserver, Sending emails over SMTP
Datenbank: Oracle (inzwischen 9.x) , business processes in JEB's and Oracle Stored Procedures
DWH, ETL processing, data staging, BSS/OSS Integration

Spring 2004 – Autumn 2004

Technical project management for E-Plus Mobilfunk GmbH Dusseldorf. Technical responsibility for the OPASS project. Optimization of the business processes for mobile changes and mobile repairs. Connecting external companies to E-Plus BSS/OSS and CRM system landscape via webservice.

Technologies and Systems:

Middleware: Bea/Tibco Weblogic, connecting over webservice
Database: Oracle, business processes in JEB's and Oracle Stored Procedures for BSS/OSS integration

Spring 2004

Technical coordination of a short terminated moving of the mobile advertising system landscape from the Apollis Interactive AG Munich to the net Mobile AG Dusseldorf after a surprising insolvency of Apollis Interactive.

Spring 2003 – Spring 2004

Technical project management for E-Plus Mobilfunk GmbH in Dusseldorf. Technical responsibility for the implementation of the Free&Easy prepaid bonus program and responsible for the integration into the existing BSS/OSS system landscape. Test management as part of the technical project management with preparation and test processing for user acceptance- and integration test.

Technologies and Systems:

Frontend: Visual Basic, Java, Java Enterprise Beans, JSTL
Middleware: Bea/Tibco Weblogic, Netscape Applicationserver
Database: Oracle, business processes with JEB's and Oracle, Stored Procedures, Views. BSS/OSS system integration.

Spring 2003 – Autumn 2003

Technical project management for E-Plus Media Dusseldorf. Technical responsibility for design and implementation of the mobile advertising system for sending personalized emails and SMS

Technologies and Systems:

Frontend: Internet, HTML/Java auf Apache / Tomcat
Middleware: Apache 2.0 / Tomcat, Email via SMTP
Database: Oracle 8.0 with Linux. Business processes with Java und database procedures.
DWH integration, ETL, Data staging and aggregation

Spring 2002 – 2003

Technical project management CCB Phase II Project for Optimisation of the business processes for E-Plus Mobilfunk GmbH in Dusseldorf. Integration of the Lotus-Notes sales system into the CRM systemlandscape. Test management as part of the technical project management with preparation and test processing for user acceptance- and integration test and support of preproduction.

Technologies and Systems:

Frontend: Visual Basic, Lotus Notes
Middleware: Bea/Tibco Weblogic
Databases: Lotus Notes "Formular-Database" connected to the Oracle database via LN-Tools. Business logic and functionalities

implemented in PL/SQL Stored Procedures und DB-Views.
DWH integration, ETL and Data staging and aggregation

Spring 2002 – 2003

Adoption of the CCB-Structuretools to the business accounts processes for E-Plus Mobilfunk GmbH in Dusseldorf.

Technologies and Systems:

Frontend: Visual Basic (connected with ODBC)

Databases: Oracle CRM database

Business logic and functionalities implemented in PL/SQL Stored Procedures und DB-Views.

Summer 2001 – Spring 2002

Sub project management for the global E-Plus Imode project in Dusseldorf. Responsible to connect the existing BSS/OSS CRM and billing systems to the new Imode system landscape. Short dated implementation of a datawarehouse to report the Imode sales progress and the usage of the Imode services.

Technologies and Systems:

Frontend: Visual Basic + Internetclients

Middleware: Bea Weblogic (Tibco) for BSS integration

Databases: Oracle CRM-database, Oracle billing database, MS Access connection to an Oracle database

Winter 2001 – Sommer 2001

Technical project management CCB Phase I (Customer Care Business). Optimisation of the Business Account processes and adoption of the CRM systems of the E-Plus Mobile GmbH in Dusseldorf. Adoption of the CTI and ACD to a customer parameter controlled call routing concept and migration of the CTI/ACD to the BSS/OSS systems. Test management as part of the technical project management with preparation and test processing for user acceptance- and integration test and support of preproduction.

Technologies and Systems:

Frontend: Visual Basic

Middleware: noch nicht produktiv

Databases: Oracle, Business Processes in Oracle PL/SQL and Views. Connection of the ACD/CTI-environment to the Oracle databases.

Januar 2001

Presentation of the E-Plus „CRM Program“ on the exhibition „CRM in the Telecommunication Branch“ in Frankfurt.

Oktober 2000

Presentation of the E-Plus CRM Program on the exhibition „CRM World“ in Mannheim.

Autumn 2000 – Winter 2001

Technical projectmanagement „Telesales / Quicksales“. Short dated increasement of the CRM landscape and CRM processes to perform telesales orders with automatised distribution processes via interfaces to SAP R/3 for the E-Plus Mobile GmbH Dusseldorf.

Technologies and Systems:

Frontend: Visual Basic (Fat client connection over ODBC)

Backend: Oracle CRM-Datenbank, Oracle SAP-Datenbank,

Development of Oracle PL/SQL-Stored Procedures and DB-Views
Integration to the BSS/OSS systems, especially SAP

Autumn 2000

Conceptioning of the „CRM/Kubis Metamorphosis“. The concept describes how the existing CRM system components could be migrated to a new BSS/OSS system architecture, stepwise without having a big bang launch. This concept was realised in the following years 2001 to 2004 at the E-Plus Mobile GmbH in Dusseldorf.

Technologies and Systems:

Frontend intern: Thin-Client, MS Visual Basic

Frontend extern (Customer Selfcare via Internet): Javascript, HTML created from Java, Java Enterprise Beans and JSTL

Middleware (EAI): Tibco Weblogic

Databases: Oracle >8.x, Business processes with Oracle Views and PL/SQL. Using triggers to start processes.

Winter 1999 – Autumn 2000

Project management to perform the CRM 2000 Study for the E-Plus Mobile GmbH in Dusseldorf. The study describes the concept of a CRM system architecture in a new 3 tier architecture and shows prospective possibilities to adjust the CRM system architecture in the future. The make or buy alternatives were balanced in particular in the study too. Further more the „Kubis Metamorphosis“ was an outcome of this study.

Technologies and Systems:

Prerequisites: Thin-Client, Implementation of all business processes in an application server layer (Java, Java Enterprise Beans) and a database layer (PL/SQL, Views).

Databases: Oracle 8.x (because E-Plus had the biggest Oracle database landscape at this time)

1999

Technical project management in the „BUTLER“ project for E-Plus Mobile Dusseldorf. Responsible for the concept of a customer care solution with Clarify (today Amdocs Clarify CRM). After the concept was finished, on my own advice the concept was not realised because the project risk was to high and the scope was to extensive to realise it in an acceptable time. The telecommunication market requirements could not be fixed at this time and we had extensive project risks to miss the target.

Technologies and Systems:

Programmlogik/Frontend: Clarify Basic (ähnlich MS VB)

Programmlogik/Backend: Oracle DB-Views, dynamisch durch Clarify erzeugt

Datenbank: Oracle 7.x

Winter 1997 - 1999

Technical project Management des six months before developed Kubis/CRM system for the E-Plus Service GmbH in Potsdam and Dusseldorf. Responsible for the functional extension of the CRM system, for the optimisation of the busines processes in the CRM system and for the continuous integration of CRM solutions into the BSS/OSS system landscape in several CRM projects.

<p>1996 - 1997</p>	<p><u>Technologies and Systems:</u> Programmlogic/Frontend: MS Visual Basic 6.0 Programmlogic/Backend: Oracle Stored Procedures PL/SQL, DB-Trigger, sowie DB-SQL-Views Database: Oracle 7.x</p> <p>Project Management for conceptioning and implementation of a sales information system for the Guhl Ikebana GmbH in Berlin (today Darmstadt) integrated as part of the BSS system landscape.</p> <p><u>Technologies and Systems:</u> Frontend: Visual Basic Database: MS SQL-Server for online and MS Access for offline usage</p>
<p>1995</p>	<p>Project Management for conceptioning and implementation the „Listungs- und Distributionsanalyse“ (listing and distribution analysis) for sales analyses of brand product manufacturers for the Guhl Ikebana GmbH in Berlin (today Darmstadt).</p> <p><u>Technologies and Systems:</u> Frontend: Excel mit VBA (Visual Basic for Applications) Databases: Data import from IBM AS400-DB2 into MS Access-Databases.</p>
<p>1993</p>	<p>Project Management for conceptioning and implementation of a video alarm system with image interpretation (Watch it ©) to secure large areas, buildings and store houses for the logistic company „Spedition Friedrich Schulze“ in Berlin.</p> <p><u>Technologies and Systems:</u> Adoption of an AT-Video/FBAS-Interface card with Assembler and C. Programming of the program and the image interpretation with Borland C.</p>
<p>1992</p>	<p>Project Management for conceptioning and implementation of a ERP System for the CBS GmbH a wholesale company in Berlin.</p> <p><u>Technologies and Systems:</u> Frontend: Turbo Pascal and Borland C/C++ Database: Development of an own high performant ISAAM database with C.</p>
<p>1991 - 1994</p>	<p>Executive board of the GePHI EDV GmbH in Berlin. Responsible for the business processes, hardware development and the production of the „Cell Manager“ for the Siemens AG in Berlin.</p>
<p>1990</p>	<p>My first commercial project. Responsible for the project management, conceptioning and the development of a DOS based sales information system (AD-INFO) for the Hildebrandt & Bartsch GmbH in Berlin. AD-INFO was one of the first sales information systems for notebooks and laptops. After the first roll out for Hildebrandt&Bartsch I sold my property rigths to the NK Data GmbH Kiel. NK Data distributes AD-INFO to all members of the Igefa sales community of Germany. In 1998 the DOS based system was changed against a new Windows based system.</p> <p><u>Technologies and Systems:</u></p>

Frontend: Borland Turbo Pascal

Database: own development of a database that could be loaded into 64Kbyte RAM segments. The database records were imported from a Honeywell/Bull ERP system into AD-INFO.

Non Commercial Project and Developments

Development of a simulation for digital circuits during my electronic studies.

Development of a multi media system to program TV-records over internet

Entwicklung eines GPS basierten Steuerungssystemes für Sportboote. Das System besitzt die Möglichkeit Google-Maps-Karten offline zu speichern und die Position des Bootes in der Karte darzustellen und das Boot über eine selbst entwickelte motorisierte Pinnensteuerung zu steuern.

Development of a sport boat navigator that supports GPS, AIS and included Google-Maps or other map formats. The position of the boat will be shown in the card. And if an AIS-receiver is available all boats and vessels with an AIS-sender will be shown in the map too. The courses of all boats will be extrapolated and collision alerts will be given.

Upgrade of the FBAS-based video alarm system to USB-webcams.

Development of a USB-hardware lap counter for toy motorhighways (Carera).

Development of a proxy server to change the formats of websites to show them on a common mobile (useable before smart phones came up).

Planning and implementation of photovoltaikplants. Therefrom one project for a self-sufficient power supply for a sport boat

Patent application for a fraud resistant labeling of brand products:

<http://www.orlowski-it.de/patent/Patentanmeldung.pdf>

<http://www.orlowski-it.de/patent/Marketing-Folien.pdf>

Development of a wysiwyg CSS/HTM editor with syntax highlighting and mouse controlled positioning of the CSS/DIV elements.

Lectures of various CRM-presentations including twice on the CRM World in Mannheim.

http://www.orlowski-it.de/pages/CRM_WORLD_10.2000.pdf

http://www.orlowski-it.de/pages/CRM_WORLD_FAZ_ARTIKEL_10.2000.jpg

Development of a tool that encrypts PHP-programs. The Tool encrypts the clearly readable PHP code into a code that can be interpreted by the PHP-server but can not be understood by a human.

Development of a Traffic information App for Android

Other Qualifications

- Project management seminars
- Clarify CRM seminar
- Continuous self-training to learn new technologies
- English Freshup, Oktober 2008 to June 2009 in an English project in Brussels, as well as in international Eplus project November - December 2009, TelDaFax etc.

Further informations and details to the projects are on my website: <http://www.orlowski-it.de>

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Xanten, August 2017

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