Company Presentation

2/2026

1. BBI International
2. Competences
3. References

Company overview

BBI in a nutshell

BBI International
Beyond Business Intelligence

- established in 2006 in Vienna, 2010 in Bratislava
- > 100 successful projects
- 19 years of experience
- active in CEE region
- 90 employees
- > 50 customers

18 key competences

- Collaboration Management
- Internet of Things
- Data Governance
- IT Governance
- Data Warehousing
- Business Intelligence Testing
- Environmental Social Governance
- IT Security
- Applications Development
- Enterprise Architecture
- Reporting and Analysis
- Customer Relationship Management
- Digital Factory
- Industrial Engineering
- Building Design
- Simulation
- Engineering Design
- Production Line Design

BBI International – Overview

- BBI stands for **Beyond Business Intelligence**
- BBI was **founded in 2006 in Vienna** as consulting company with the aim to offer their customer comprehensive services in the area of Business Intelligence in the regions of Western, Central and Eastern Europe
- BBI offers not only the implementation and integration of software tools, but the implementation of **overall solutions**
- Intention of BBI is **to bridge the gap between business** professional teams **and IT** specialists
- BBI positions itself as a **vendor independent** provider of consulting services
- BBI provides services to major clients in **automotive, banking, insurance, telecommunications and public sector**

Customers – finance sector

VB LEASING

VÚB BANKA

Živnostenská Banka
UniCredit Group

ERSTE BANK

ČESKÁ POJIŠŤOVNA

MORAVIA BANKA

Raiffeisen Bank International

credium finance

Райффайзен БАНК АВАЛЬ

HOME CREDIT

ČSOB

SBERBANK

Santander CONSUMER BANK

GENERALI

ING

ŠkoFIN

TB TATRA BANKA

Customers – production sector

Volkswagen

SKODA

Panasonic

FOXCONN®

Customers – other sectors

Technological Partners

1. BBI International
2. Competences
3. References

BBI and banking competences

BI, DWH, CRM a Reporting

- Unified access to company information
- Data collecting across departements Risk, Controlling, Accounting
- Data preparation, Business maping definition
- Delivered BI, DM, DWH projects
- Design of data models, Datamart
- Integration of the Corporate CRM System
- ETL development for DM, BI, Reporting

HQ skills in DWH management/ CRM implementation (Siebel tools, Oracle DB...)

Raiffeisen Bank International, ERSTE, TB TATRA BANKA

Data governance/ Reporting

VÚB BANKA, SBERBANK By your side, Raiffeisen Bank International, PSS

- Definition of governance, i.e. roles and responsibilities and rollout
- Business Glossary definitions
- Comprehensive Data Quality
- End-to-end data lineage from report to sources inter-linked with BIM (business & technical)

Data Governance Directive & Organization/ State-of-the-art reporting solutions based on market leading products

BBI

- We implemented automatization in test process to save costs, resources and time
- Use prototypes to eliminate risks of future change requests
- High quality test management generate synergy efect

Long-term experience in QA, Test managment

Raiffeisen BANK, VÚB BANKA, TB TATRA BANKA

Quality management

- Automation of processes, workflows, decision engines, 24/7 clound solutions
- Custom development and business application customizations
- Configuration of the system and its parts, compilation/development of customized

Sharepoint Portal Solutions, Data mining, Web applications & migration

TB TATRA BANKA, VÚB BANKA

Application development

BBI – zeb/ partnership model

AUSTRIA/CEE – Banking market

BAWAG PSK	• Vollständige fachliche Begleitung bei der Umsetzung aller Anforderungen aus den Säulen I, II und III im Rahmen von Basel II
RZB	• Unterstützung konzernweite Umsetzung Basel II, Begleitung regulatorische Abnahme, Begleitung RWA-Optimierung
ERSTE	• Unterstützung bei der Aufarbeitung der IRB Auflagen und IRB Abnahmebegleitung
VOLKSBANK AG ÖGV HYPO	• Aufbau Basel-II-Datawarehouse und Aufbau eines Rechenkerns zur Berechnung der EK-Anforderungen nach Basel II

We successfully support AUSTRIA/CEE banks on the implementation of regulatory reporting requirements for years

RBI group references

- EDWH, GDWH integration, IFRS 9, integration testing
- RAY business and IT analysis, EDWH 2 RAY mapping definition, integration testing and data quality
  - GDWH and NWU interface testing
    - Risk Data Governance for all NWUs

Long-term experience in the collaboration with HO and NWUs

BBI + zeb

- We developed a practice-approved Basel III, MiFID II reference model and master plans
- Comprehensive expertise in the development and implementation of regulatory reporting business- and DP concepts

Extensive project experience in the development and implementation of business concepts in regulatory reporting

Business expertise

- Experience in the implementation of EDWH, DWH, ETL integrations
- Risk data marts knowledge
- Implementation expertise in integrated regulatory reporting platforms from universal banks

Distinctive IT expertise, data integration for regulatory reporting platforms and Basel II/III calculation engines

IT Expertise

BBI International – Positioning

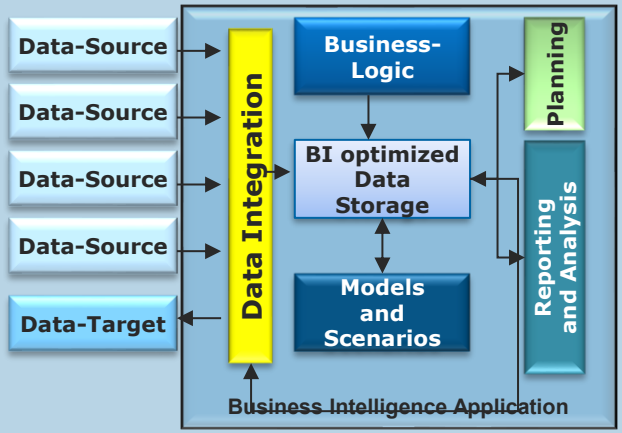
Beyond Business Intelligence

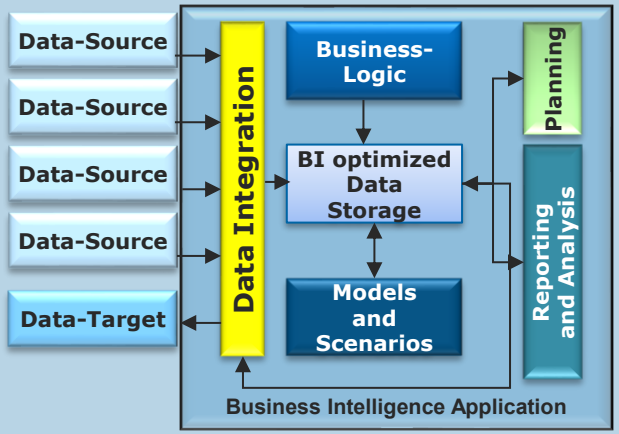
Business Intelligence

Solution Design

- Requirements Analysis
- Solution Design
- Integration with company strategy
- Cross-functional and cross-departmental coordination
- Definition of management relevant performance indicators
- Project Definition and Setup
- Coordination Communication between departments and IT
- Project Management and Quality assurance
- Support with Software Evaluation
- Preparation of tender specifications

Technical Implementation





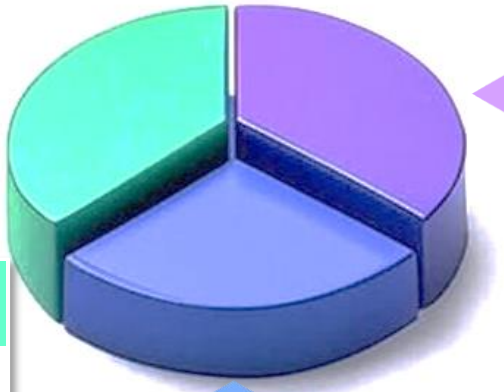
Process - Integration

- Rollout-Planning and Support
- Preparation and implementation of Training concepts
- Ongoing support and coaching of users
- Support with development of action-plans based on results
- Performance Measurement, Feedback loops, Project Iterations
- Project-Marketing
- Support with integration into processes of daily business
- Transparency and Reporting Governance

New and existing projects deliveries in 2025

BBI International
Beyond Business Intelligence

Innovation projects areas of 2025



Data & AI Solutions

Reporting and Analysis

- **Predictive analysis** using AI and Machine Learning models – maintenance reporting

Volkswagen

- Aeronautical **data digitalization** - Next Generation Aeronautical Information Management Environment

NG AVIATION

IT & Business Governance

Fintech Apps Development

- **Digital platform** of deposit payments, physical reverse vending machines deployment, circular economy

Bot Ler

CRM

- Development of **Sales Force Automation** System on highly modular platform Odoo 9

O2

Environmental Social Governance

- **Decarbonisation** of the VW SK plant, study and project design

Volkswagen

Industrial Engineering in Automotive

Industrial Engineering

- **Planning** of the conveyors lines, managmeneft of the technical specifications, suppliers and updates

ŠKODA

1. BBI International
2. Competences – specific domains
3. References

Data Governance (data centric view)

Customer acquisition | Customer bonity evaluation | Planning, controlling, forecasting | Workout

Contract closure

BUSINESS PROCESSES

Account opening

Loan granting

Product Management

PEOPLE

- Risk control
- Human resources
- Finance
- Sales & Marketing
- . . .

Data Owners

Data Stevards

TECHNOLOGY

- Portals
- ESB
- CRM
- DWH
- ODS
- Source systems
- . . .

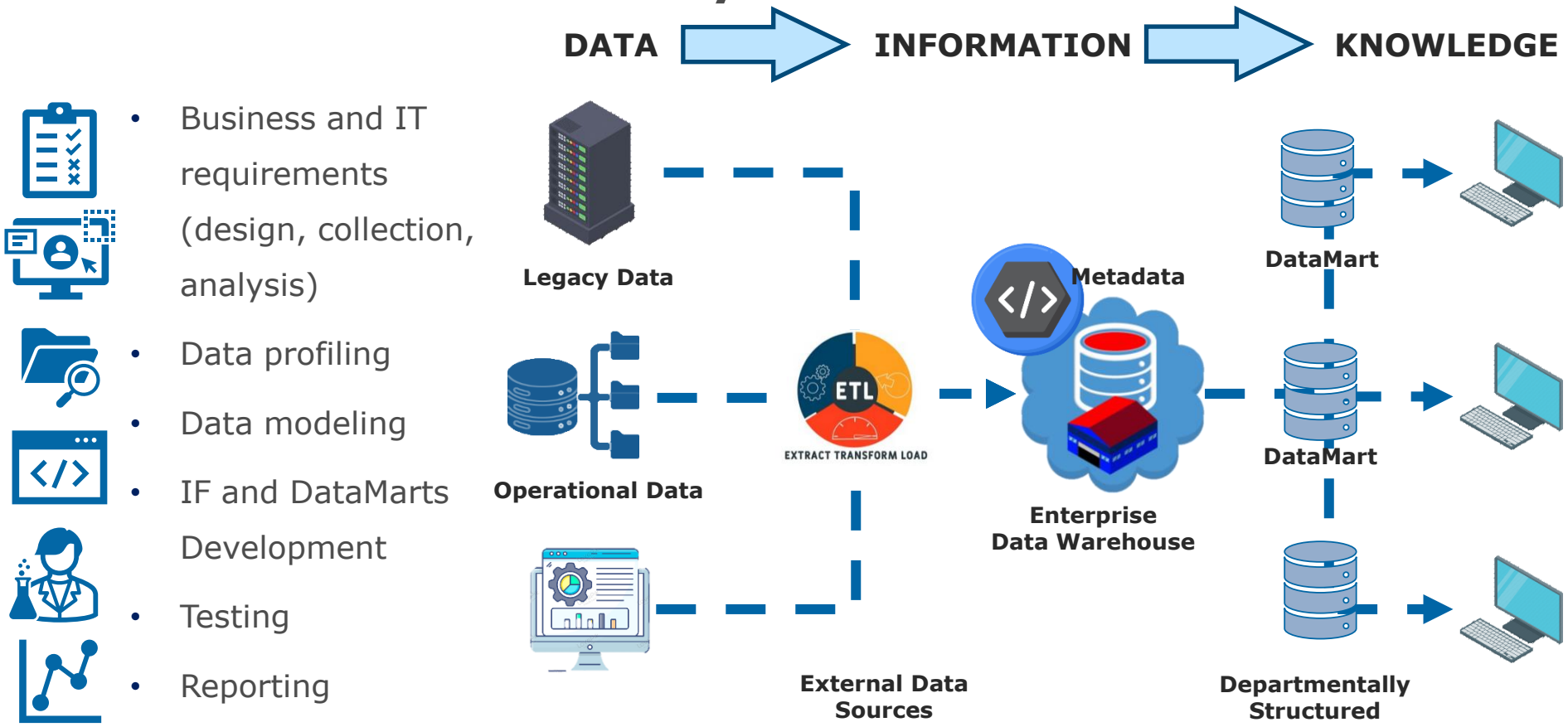
Application Managers

Admins

IT Architect

Data Warehouse

"A data warehouse is a central repository for all or significant parts of the data that an enterprise's various business systems collect."



Areas of expert competences – typical frame contract positions for bodyleasing

Our experts and consultants covers variety or Banking areas across different project areas especially between IT and Business departments and at integration projects:

- Test Management
- Quality Assurance experts
- Data analysts (Oracle, Power BI, SAS, Teradata, ..)
- Business analysts (Risk, Controlling, BCBS, ..)
- DWH developers, analysts
- IT Security, GDPR, IT architect
- Data governance, data quality (SAS, MS SQL, ..)
- Project management

- **Costs reduction**
- **Resources saving**
- **Time saving**
- **Change requests reduction**
- **High quality of tests outputs**
- **Knowledge database creation**
- **Out source development under control**

Raiffeisen Bank International, TATRA BANKA, PSS

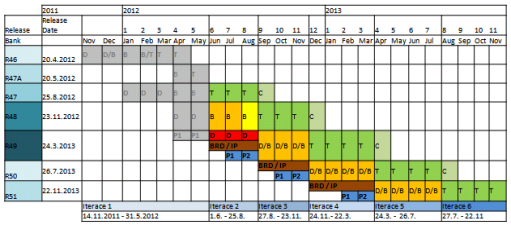
2005 – 2015, 3000 MD, Oracle, Microsoft — CZECH AEROHOLDING, CSA CZECH AIRLINES

2012 - 2018, 1000 MD, SAP, Microsoft — LUKOIL

2013 – 2018, 900 MD, Oracle, Pentaho — PPF Banka

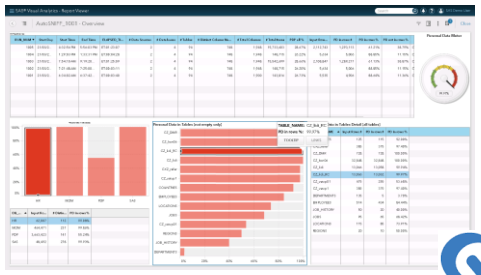
2014 – 2018, 1000 MD, SAP, Oracle — Cargo

CIMEX, MONETA, Raiffeisen BANK, KB



VUB EDW Program management

Business Glossary definitions	Raiffeisen Bank International, orange
Data Quality Issue & Actions	PSS, VÚB BANKA
Lineage & Impact Analysis	Raiffeisen Bank International, ZSR
Change Management	PSS, orange



sas

BBI references in banking groups in Slovakia and surrounding countries 1/2

Selected project references:

PROJECT TYPE	DESCRIPTION	ROLE	BANK	COUNTRY
Strategy Consulting	**Review of SAS Infrastructure by Basel 2 Implementation.** The new EDW as single source of truth for all reporting purposes. Data Quality initiatives, data corrections in EDW.	PRIME	VÚB BANKA	SK
Business & IT Modeling	**Market Basket Analysis on Retail Customers' Data.** Working out an analytical model based on retail customers' data. Goal was to increase profit on existing retail customers cross selling.	PRIME	VÚB BANKA	SK
Business & IT Modeling	**Program management and QA of New Enterprise DWH.** Basel 2 data layer with 5 years history was designed. New Campaign Management Analytical datamart was created. Single view on Customer on Branches was developed. Product Catalog was prepared for implementation	PRIME	VÚB BANKA	SK
Business & IT Modeling	**Merger & Core Banking System Consolidation.** DWH integration for mergers (GE Money Bank and Royal Bank Scotland), core banking system consolidation, Basel platform migration from AS/400 to SAS, Data Consolidation for KPI project, Support for Collection Business Unit.	PRIME	Santander CONSUMER BANK	DE
Business & IT Modeling	**Test management for CAS (central authentication system)and IDM (identity and role manager)**. Test strategy, methodology for CAS and IDM system. Integration & UAT testing.	PRIME	PSS	SK
Business & IT Modeling	**Implementation of complete test process for DMS (document management system).** Proces of testing for implementation new bank`s DMS system.	PRIME	PSS	SK
Business & IT Modeling	**Group Data Store.** Delivered common data & reporting platform/solution. Platform is designed including data quality design and following state of the are master data management principles.	PRIME	ERSTE	SK
Business & IT Modeling	**Agile testing for SCRUM team (uCoin).** EBX platform system, counterparty master data maintenance as a centralized single source of truth.	PRIME	ERSTE	SK
Business & IT Modeling	**Setting up of a new data governance model for large CEE banking group.** Development of Data Governance Concept & Policy. Definition of Business Data Model for 16 subject areas.	Subcontract (ZEB)	ERSTE	AT
Regulatory	**Human Resources Planning and Reporting.** Succession of the existing excel based Human Resource and Financial Controlling solution with a database-based solution (SAS).	PRIME	STATISTICS AUSTRIA	AT
Regulatory	**MIS for Recovery and Resolution Planning.** Design of architecture for new business datamart for Recovery Reporting to Regulator. Data sourcing analysis, design of the data integration concept and data mappings. Business and Integration testing.	Subcontract (ZEB)	SBERBANK By your side	AT
Regulatory	**Reporting System Implementation.** Creation of a reporting portal using MS SQL BI tools (SSAS and SSRS running in integrated mode with WSS 3.0).	Subcontract (SOPHIA CZ)	ČSOB	CZ

BBI references in banking groups in Slovakia and surrounding countries 2/2

Selected references organized in project areas:

PROJECT AREA	DESCRIPTION	ROLE	BANK	COUNTRY
Regulatory	**Group DWH Data Delivery Process Testing.** Manage and perform system and integration test of ETL data processes (Oracle DWH). Designed and developed a set of testing tools, dashboard reports and trend reports. Data quality improvement.	Subcontract (ZEB)	Райффайзен БАНК АВАЛЬ	UA
Regulatory	**Processes Improvement by Basel 2 Data Delivery.** Streamlining and speeding up of processes related to data processing during monthly Basel 2 Risk Reporting.	Subcontract (ZEB)	Raiffeisen Bank International	AT
Regulatory	**EDWH to RAY and Data Quality Monitoring.** Business and IT specification for Credit Risk. Design of the DQ Monitoring Dashboard. Deal, Product Currency and Customer data integration.	Subcontract (ZEB)	Raiffeisen Bank International	AT
Regulatory	**Operational CRM.** Key project in customer data, powdered by Oracle Siebel platform, which coverts corporate segment, SME and Micro-SME, Private banking, Early Warning System, Workout Processes, Premium banking.	Subcontract (CAPGEMINI)	TB TATRA BANKA	SK
Regulatory	**SEPA, Internet Banking.** SIT, UAT, BUAT Testing	Prime	TB TATRA BANKA	SK
Strategy Consulting	**Titan Due Diligence.** IT Business case preparation to integrate the banking systems, client data portfolio, IT and application services & processes, migration and cut-over planning.	Subcontract (ZEB)	TB TATRA BANKA	SK
Business & IT Modeling	**Integration of the Corporate CRM System.** Designing and developing the Oracle Data Staging Area and creating data connection with the CRM application on the Siebel platform.	Subcontract (CAPGEMINI)	TB TATRA BANKA	SK
Business & IT Modeling	**Collateral Evaluation System Implementation, Testing Phase.** Project management of Integration Testing and Business User Acceptance Testing after implementation of a new system for evaluation of collaterals.	PRIME	TB TATRA BANKA	SK
Business & IT Modeling	**KDK 2 Phase** – Test management	PRIME	TB TATRA BANKA	SK
Business & IT Modeling	**CRM Implementation.** Integration between Siebel CRM and approx. 35 banking systems. Interface for data integration to ODS/DWH. Robust, standardized platform for data integration.	Subcontract (CAPGEMINI)	Raiffeisen BANK	CZ
Business & IT Modeling	**System Integration Tests of EDWH Core Functionality.** System-and System Integration Test (ST, SIT) of EDWH core functionality and all related interfaces to source and target systems. Providing test resources to projects.	Subcontract (ZEB)	Raiffeisen Bank International	AT

Industrial Engineering

Our competence in field of Industrial Engineering

Logistics

- Logistics and supply chain management
- In-house logistics
- Optimize inventory and material flow

Information systems

- Implementation of the entire enterprise information systems
- Optimization of enterprise information systems

Quality

- Quality management
- Quality control

Production

- Production planning
  - Press shop
  - Car body shop
  - Paint shop
  - Assembly
- Production management

Engineering

- Planning, design production processes and systems design
- Robot simulation
- Digital factory

Our knowledge in the Industrial Engineering methods

MOST | MTM | UAS | Kaizen | TOC | Value stream | Line balancing | SMED

TPM | TQM | 5S | Inventory optimization | Digital factory | JIT | Kanban

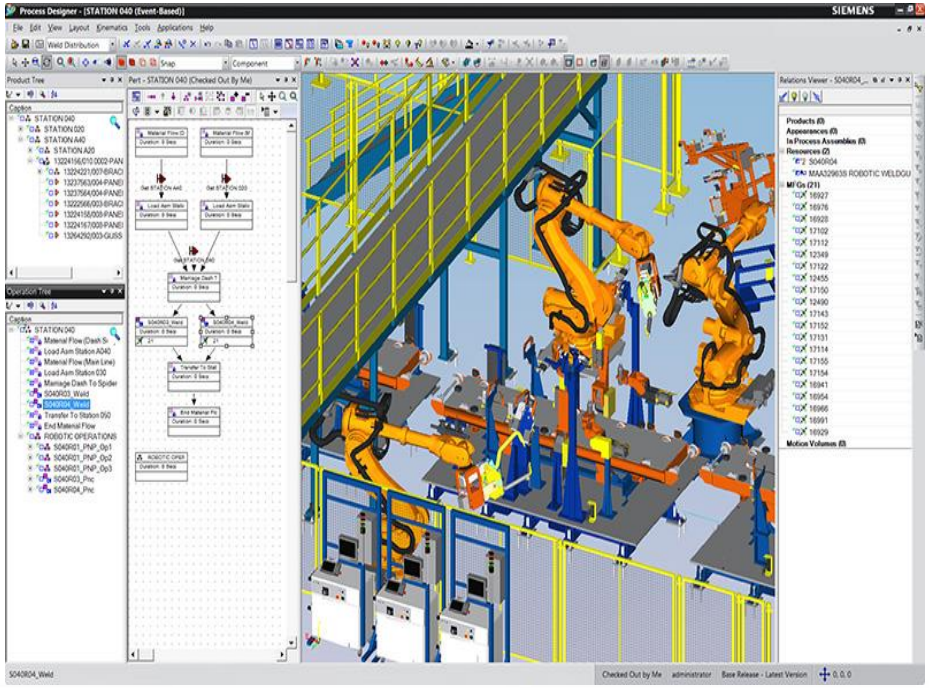
Layout optimization | LEAN | Simulation | Planning | Six Sigma | FMEA

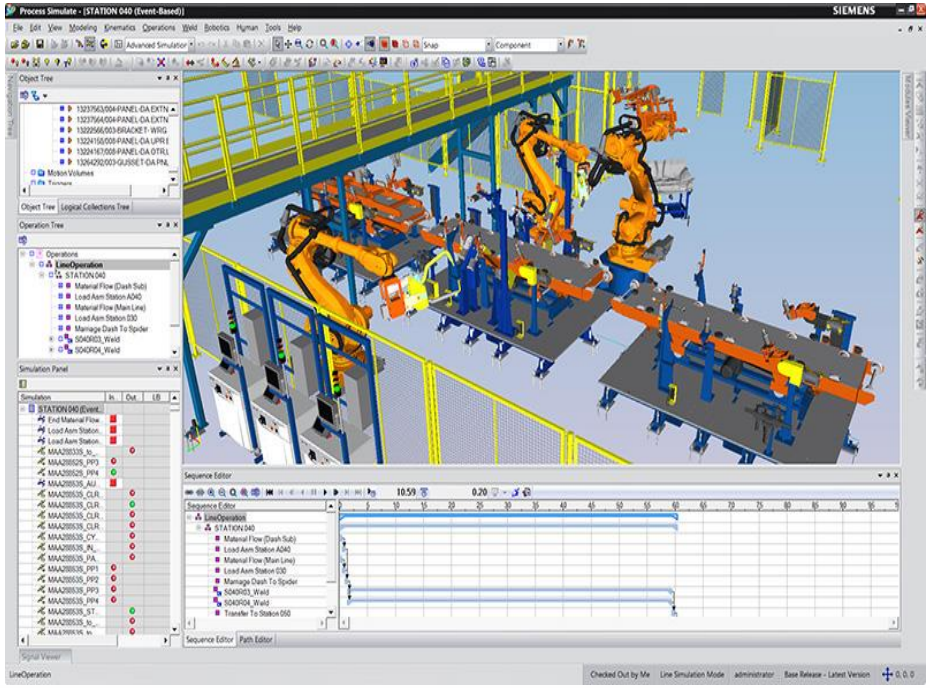
Digital Factory & Simulation

Our competence in field of Digital Factory & Simulation

Tecnomatix

PROCESS DESIGNER	• design of processes, production, assemby
PROCESS SIMULATE	• offline robot simulation
PROCESS SIMULATE HUMAN	• simulation of human, ergonomics
PLANT SIMULATION	• planning of logistic, capacities, line balancing
TEAMCENTER	• providing workflow, version control and relationship management

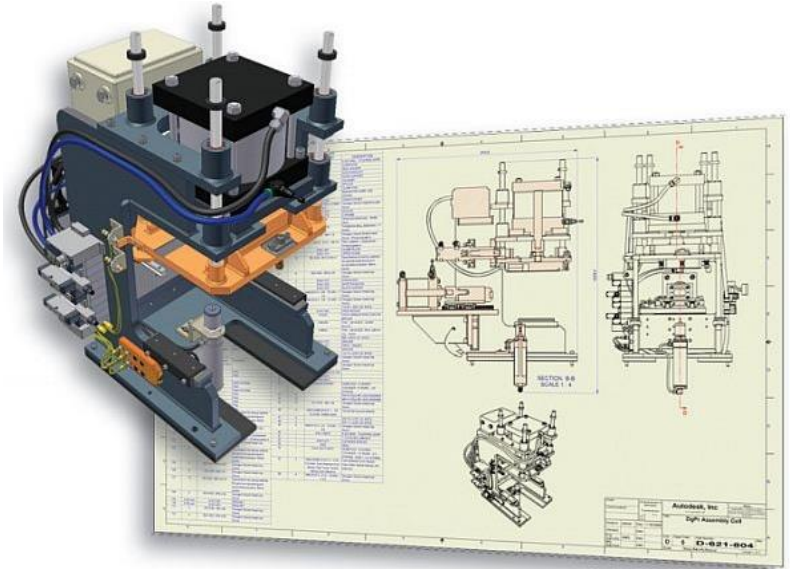


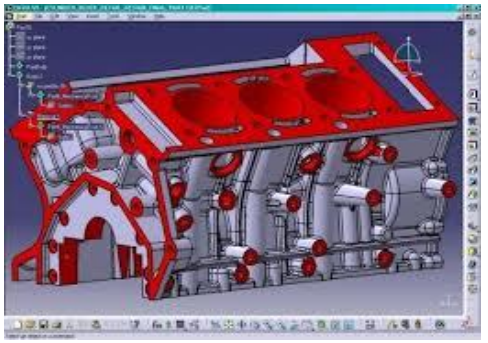


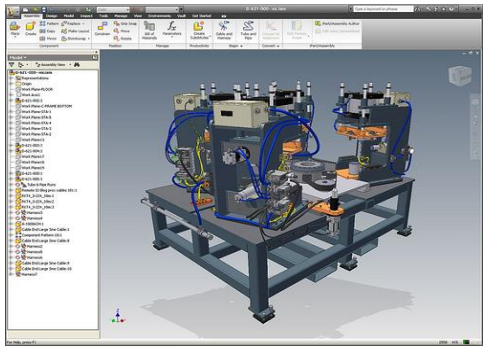
Design and Construction

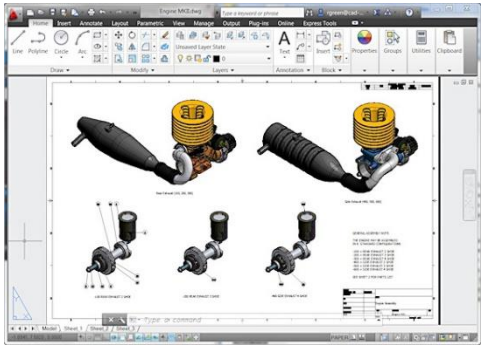
Our competence in field of design and construction

CATIA	•2D drawing, 3D design, layout
AUTOCAD	•2D drawing, 3D design, layout
INVENTOR	•2D drawing, 3D design, layout
SOLIDWORKS	•2D drawing, 3D design, layout





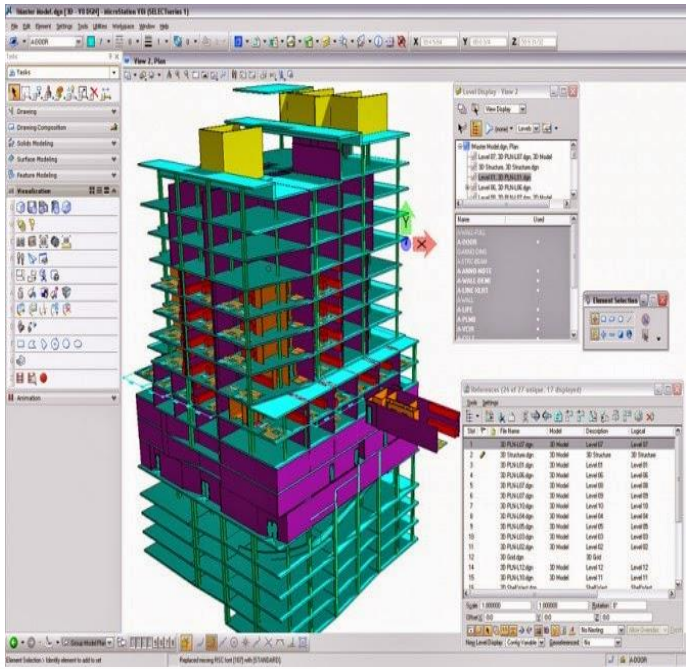


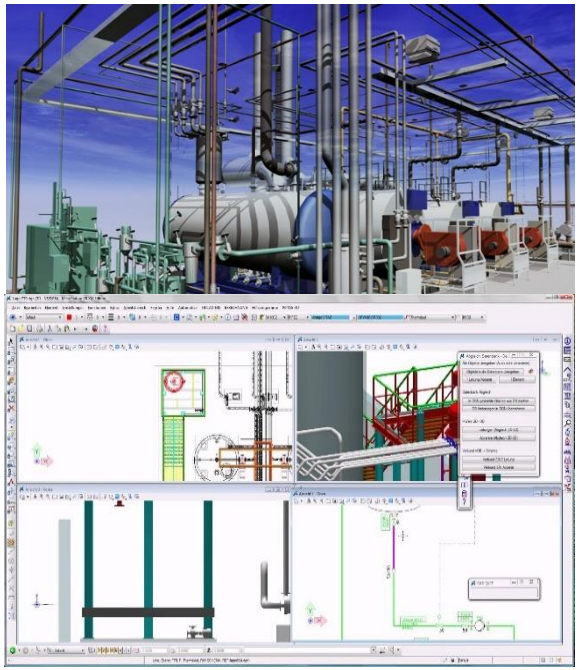


Building Design & Digital Twin

Our competence in field of Building Design

Bentley	PROJECTWISE	• project managing database with 2D and 3D layouts
Bentley	MICROSTATION	• 2D drawing, 3D design, layout
Bentley	ARCHITECTURE	• 3D building design
Tricad	VENTURIS TGA	• 2D and 3D design (Sanitary, Heating, Ventilation, Electro, ...)
Tricad	VENTURIS VDA	• 2D and 3D design (Conveyor technology, Lacquer technology, Cranes, Platforms, Steel construction, Layouts, Infrastructure)

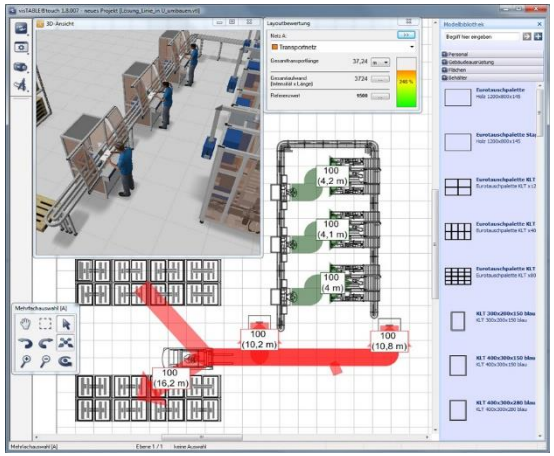


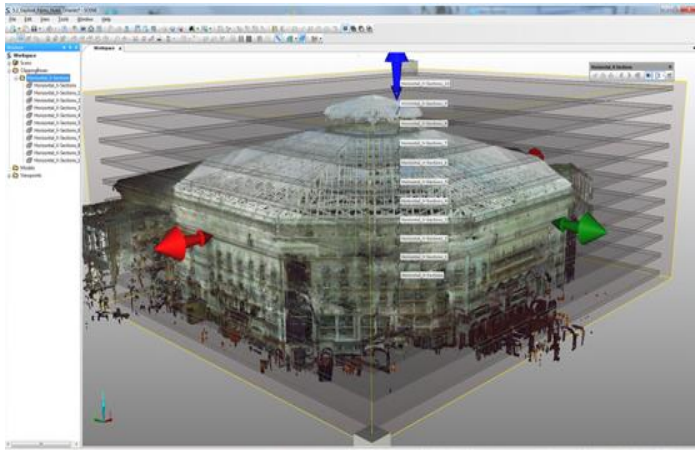


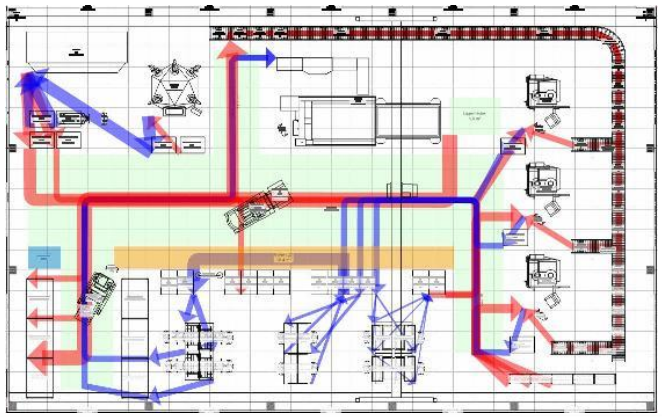
Logistics and 3D scanning

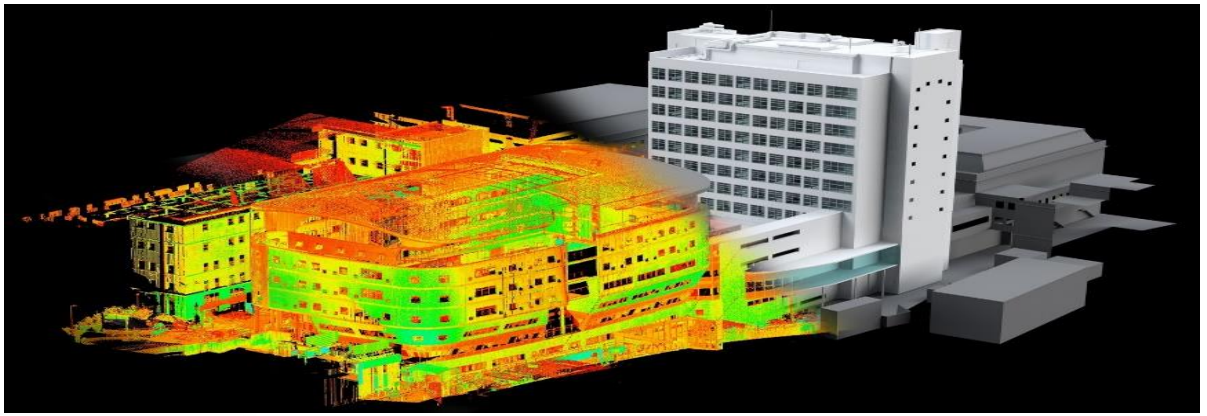
Our competence in field of logistics and 3D scanning

VISTABLE	• Factory planning, Materiál flow analysis, Value stream mapping
FAROSCENE	• 3D laser scanning









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Erste Group IT

ERSTE Group IT

Group Data Store

Project Content	Pilot phase 1 of holding SPRING project. Goal of the project is to deliver **common data & reporting platform/solution for all the CEE** countries and all the Austria subsidiaries of Erste Group AT. Platform is designed including **data quality design** and following state of the are **master data management** principles.
Project Results	▪ Pilot release 0.1 successfully done Scope was to validate **architecture design** ▪ Pilot phase 0 successfully done Scope was to deliver newly designed **common interface structure** for data areas as customer, customer account, deal, treasury data, account detail data.
Customer Value	Group reporting and consolidation of data from CEE subsidiaries and all the Austria subsidiaries – **total 80 mandates**. Main users are bank departments **of Risk, Controlling, Marketing**. Reporting in the bank runs on platforms as Cognos, SAS, Tableau, etc. GDS Team is responsible for **Data Delivery service** – development, testing, deployment, data & business analysis.

Platform & Tools	Project size
DB Oracle 12c (DB) Oracle Data Integrator (ETL) Automic (Workflow)	Team: 1 FTE Duration: 24 months

Erste Group IT

ERSTE Group IT

Agile testing for SCRUM team (uCoin)

Project Content	uCOIN application (EBX platform system) with the purpose of maintaining **counterparty master data** (existing & potential customers, customer relations, organizational structure, natural persons data etc.) as a **centralized single source of truth**. This master data is used as a reference for all other systems within Erste Group.
Project Results	Work on release packages 2.7, 2.8, 2.9, 2.10 Scope of **deliveries contains functionalities** as: • Added relationships for Early Warning Systems • Validation central register entries • Enhancements of shareholders structures definition • Improvement of data import for new mandants (new import files, new manual inputs)
Customer Value	uCoin Team is responsible for EBX platform – uCoin dailly run and funcionality, data & business analysis, development, testing, deployment. **Test responsibility:** define test approach, create test scenarios, prepare test data, execute and document. High automation of test execution, documentation done in JIRA.

Platform & Tools	Project size
EBX platform (uCoin system) ODI (DB) Jmeter(Performance test), Selenium (Automatic test), JIRA	Team: 1 FTE Duration: 6 months

Tatra banka

TB
TATRA BANKA
Member of Raiffeisen Bank International

Integration of the Corporate CRM System

Project Content	By integration of the new operational Customer Relationship Management system for Corporate clients we provided Business Intelligence expertise knowledge. The project scope was to design and develop the Oracle Data Staging Area and create data connection with the CRM application on the Siebel platform.
Project Results	The oCRM application was extended with following functionality: ▪ Workout clients and back-office process ▪ Complete Early warning system process integration ▪ Private clients integration (currently in progress) & Treasury department
Customer Value	We provided collection of the business requirements, translation of the business specification into technical functional design and modeling during all stages of the project. Business intelligence responsibilities covered ETL development, research, validation and analysis of the source data, creation of the data mappings, data transformations design, daily load maintenance and component testing.

Platform & Tools	Project size
Oracle DB (SQL developer), Siebel CRM (Siebel Tools)	Team: 2-4 FTE Duration: >18 months

Tatra banka

TATRA BANKA
Member of Raiffeisen Bank International

- **Collateral Evaluation System Implementation, Testing Phase**

Project Content	Project management of Integration Testing and Business User Acceptance Testing after implementation of a new system for evaluation of collaterals
Project Results	▪ Delivery of APS system enhancements and extensions for customer segments SME and Corporates into Live Environment ▪ Delivery within time and budget constraints ▪ Quality assurance
Customer Value	▪ Preparation of project charter from project statement of work, enterprise and organization processes and assets ▪ Test Strategy ▪ Objectives and project scoping ▪ Project timeline ▪ Testing approches and techniques ▪ Project/Execution plan

Platform & Tools	Project size
Oracle DB, HP Quality Center	Team: 3 FTE Duration: 6 months

Raiffeisen Bank

Raiffeisen Bank International

Processes Improvement by Basel 2 Data Delivery

Project Content	Streamlining and speeding up of processes related to data processing during monthly Basel 2 Risk Reporting
Project Results	▪ Analyzing, designing, developing and implementing software tools for improving process of monthly load ▪ Designing and developing set of reports for discovering data quality issues in data delivered ▪ Creating an automated tool for comparing two different versions of XDS files used by data delivery ▪ Simplifying, systematizing, streamlining and speeding up the process of Monthly DWH Test Loads (pre-production testing of new releases)
Customer Value	▪ Decrease in time needed for manual corrections by 66% ▪ Decrease in time needed for monthly testing from 2 weeks to 4 days ▪ Significantly better discovering of data quality issues ▪ Improved communication between Head office and Subsidiaries

Platform & Tools	Project size
Oracle DB, PL/SQL Developer, Oracle Data Integrator, IBM Data Stage, MS Excel	Team: 1 FTE Duration: 13 months

Raiffeisen Bank

Raiffeisen Bank International

System Integration Tests of EDWH Core Functionality

Project Content	System- and System Integration Test (ST, SIT) of EDWH core functionality and all related interfaces to source and target systems; Providing test resources to projects
Project Results	▪ Provide overall test methodology, best practices, test management guidelines/principles and a defect management workflow ▪ Provide guidelines & templates for Test Plan and Test Summary Report to the program. ▪ Provide appropriate Test KPIs for all projects of the EDWH/MIS-HO program
Customer Value	▪ Test Management ▪ Software Testing (in ST and SIT) ▪ Test Consulting (in CT and UAT) ▪ Defect Management ▪ Test Automation

Platform & Tools	Project size
Teradata DB (SQL Assistant, DB Administrator), Teradata mapping manager, Power Designer, DQ Analyzer	Team: 3 FTE Duration: 16 months

Raiffeisen Bank

Raiffeisen Bank International

Business Analysis and Change Requests of EDWH

Project Content	Prioritization, analysis, prototyping and implementation of new change requests of Enterprise Data Warehouse. Change requests were driven by regulatory (BCBS 239, BCBS 279, EBA Guideline, GDPR, IFRS9) and internal projects (securitization, ...)
Project Results	▪ Analytical documents, business and IT specifications, ▪ Prototypes, SQL definitions, ▪ Implementation of change reuests within quarter release cycles ▪ Business and technical documentaion
Customer Value	▪ Enhanced functionality of EDWH ▪ Fulfillment of regulatory requrements

Platform & Tools	Project size
Teradata DB (SQL Assistant, DB Administrator), LCM, HP ALM, Jira	Team: 2 FTE Duration: 15 months

Raiffeisen Bank

Raiffeisen Bank International

- **Cut-over management by the demerger of Raiffeisen Centrobank's existing business into RBI**

Project Content	Raiffeisen Centrobank, a member of the banking group Raiffeisen, was historically the independent bank focused on certificates & trading business. It was decided, that the bank will split – certificates and trading business will b integrated into Raiffeisen Bank International, under a division "Certificates and Equity Trading" and the remaining business – the innovative digital banking business – will continue under a name Raiffeisen Digital Bank.
Project Results	The goal was to perform successful demerger of Centrobank into RBI: ▪ legal aspects related to company and all stakeholders were fully covered ▪ daily operational business was not harmed by the demerger ▪ no impact on exiting customers
Customer Value	▪ Raiffeisen Centrobank was successfully demerged

Platform & Tools	Project size
Jira Advanced Roadmaps	Team: 1 FTE Duration: 9 months

Raiffeisen Banka

Raiffeisen BANK

CRM Implementation

Project Content	▪ Integration between Siebel CRM and approx. 35 banking systems ▪ Interface for data integration to ODS/DWH
Project Results	▪ Analysis and development of approx. 130 integration services ▪ Connection to proprietary integration platform of Raiffeisen Bank Czech ▪ Connection to integration (EIM) layer of Siebel CRM ▪ Support of SIT and UAT testing
Customer Value	▪ Robust, standardized platform for data integration ▪ Universal services providing all data from CRM

Platform & Tools	Project size
Siebel CRM	Team: 2-3 FTE Duration: 4 Months

Raiffeisen Bank Aval

Райффайзен БАНК АВАЛЬ

Group DWH Data Delivery Process Testing

Project Content	Manage and perform system and integration test of ETL data processes (Oracle DWH)
Project Results	▪ Defined approach and methodology of the data delivery process within the credit risk IT architecture, quality assurance of the interfaces, business & technical gap closing of corporate products and related data as collaterals, provisions, client default information ▪ Performed business impact analysis, executed data transformations, provided data consolidation validation, verification of the initial data loads and verification of the migrated data from obsolete source system into enterprise DWH architecture ▪ Tests were performed on the individual transaction level, structural tests and completeness validation with the general ledger figures
Customer Value	▪ Designed and developed a set of testing tools ▪ Designed and development of dashboard reports and trend reports ▪ Increased data quality and data trustworthiness

Platform & Tools	Project size
Oracle DB, Oracle ETL, PL/SQL Developer, MS Excel, HP Quality Center	Team: 2 FTE Duration: 15 months

Moravia Banka

MORAVIA BANKA

MOBA Application

Project Content	▪ The bank is running MOBA application for client accounts ▪ The bank was pushed to upgrade database from Oracle v7 to Oracle v10 ▪ In consequence it was necessary to upgrade user interface for accessing the data from previously used Oracle Form
Project Results	▪ Reports and user interface prepared in Oracle APEX technology
Customer Value	▪ Cost savings – it was not necessary to buy additional HW ▪ Cost savings – it was not necessary to buy additional Oracle Forms licenses ▪ More flexible user interface

Platform & Tools	Project size
Oracle APEX	Team: 2-3 FTE Duration: 5 Months

O2 Business Services

Development of Sales Force Automation System

Project Content	Unified SFA system based on previous workflow scattered in several systems.
Project Results	SFA system based on highly modular platform Odoo 9. Importing and validating tools for salespersons. Credit risk tools. Complex access rights copying the levels of responsibility in company's management hierarchy. Integration between two branches of the company to provide up-to-date data of sales processes to avoid 'collisions'.
Customer Value	▪ Application controlled simple and logic workflow for sales ▪ Wide variety of reports for several levels of management ▪ Integration with external services (risk management, UX)

Platform & Tools	Project size
Odoo 9.0 (former OpenERP), PostgreSQL, JIRA, Confluence	Team: 4 FTE Duration: 8+ months

O2 Slovakia

Development of Siebel CRM

Project Content	Analysis and development of business required change requests for Siebel CRM 8.0.
Project Results	Stable, reliable and fast system, used on all O2 branches across the country, which is regularly updated according to business and legislative needs. Data anonymization that is complying to the Law of Personal Data Protection. Data migration and adaptation of processes for future CRM solution successor. Integration with other systems through TIBCO and adjusting of the existing interfaces. Modifying of already implemented functionalities to be prepared for step-by-step crossing-over to new CRM system, which will in time replace Siebel CRM.
Customer Value	▪ Adjusting the application to actual needs.

Platform & Tools	Project size
Siebel eCommunications 8.0, Siebel Tools, Oracle DB, JIRA, Confluence	Team: 2 FTE (out of 12 team FTE) Duration: 20 months

IBM Slovensko

MobEV Android Operational Data Analysis

Project Content	Responsibility for implementation of analytical part of the projects, import data into database and analytical transformations above that data structures.
Project Results	Allow customer to collect, store and analyse data from chosen Android devices (about 30 smartphones and tablets). ▪ Daily loading of data from txt files into database ▪ Daily transformation, cleansing of data and run of analytical aggregations ▪ Daily export of data into specific ML format
Customer Value	▪ Provided data model of solution ▪ Daily ETL processes ▪ Analytical transformation above acquired data ▪ Data outputs in the predefined format ▪ Possibility to query analytical aggregations for ad-hoc analysis

Platform & Tools	Project size
CentOS Linux, Oracle DB, Oracle SQL Developer, Oracle SQL Developer Data Modeler	Team: 1 FTE Duration: 4 months

Československá obchodní banka

ČSOB

- **Migration z M24 do CMDB**

Project Content	▪ Data migration between two environments (Oracle databases) ▪ Regular updates in the target database based on changes in the source database
Project Results	▪ Development and testing environments preparation ▪ Migration scripts creation for migrating services, clerks, disposal rights and payment buttons ▪ Debugging and tuning according to the customer requirements
Customer Value	▪ Inconsistency removal between the two databases ▪ Mechanism for detection of potential future inconsistencies

Platform & Tools	Project size
Oracle DB	Team: 2 FTE Duration: 6 Months

Československá obchodní banka

ČSOB

Reporting System Implementation

Project Content	▪ ČSOB faced a lack of consistent reporting data from the dealing system Capitol ▪ Significant amount of manual work to get the right data at the right time
Project Results	▪ Creation of a reporting portal using MS SQL BI tools (SSAS and SSRS running in integrated mode with WSS 3.0)
Customer Value	▪ Easy access to the relevant data for different user groups ▪ Unified reporting system. ▪ One version of truth

Platform & Tools	Project size
MS SQL BI tools	Team: 2 FTE Duration: 5 Months

VÚB banka

VÚB BANKA

Review of SAS Infrastructure by Basel 2 Implementation

Project Content	Perform a review of the architecture of the SAS applications used within risk management in VUB
Project Results	▪ The new EDW will be the single source of truth for all reporting purposes of the bank ▪ All Data Quality initiatives and data corrections will be done in EDW prior to loading data to the SAS applications ▪ SAS will be used for statistical model development, day by day rating and scoring will not be performed by an informational system but will be performed in the production systems (Core Banking Systems and EDW)
Customer Value	▪ Better integration of SAS into the whole BI – DWH architecture ▪ Data Redundancy was kept to an absolutely necessary minimum ▪ Performance improvements and process optimization was achieved

Platform & Tools	Project size
SAS Tools, Oracle DB	Team: 5 FTE Duration: 1 months

Market Basket Analysis on Retail Customers' Data

Project Content	Working out an analytical model based on retail customers' data. Goal of the analysis was to increase profit on existing retail customers through cross selling. Method called Market Basket Analysis (Association Analysis) has been used to build the model.
Project Results	▪ Result of the project was a simple but complex output – table with several hundred thousand rows and 7 columns: ▪ ID of customer, ▪ first, second and third next best product, which is most suitable for particular customer, ▪ probability of acceptance for first, second and third next best product for particular customer.
Customer Value	Data set suitable for import to branch office software for accurate reminder of Relationship Manager by negotiation with retail customers

Platform & Tools	Project size
SAS Enterprise Miner, SAS Enterprise Guide, MS Excel	Team: 1 FTE Duration: 4 months

VÚB banka

VÚB BANKA

Implementation of New Enterprise DWH

Project Content	EDW Program is a long-term project of iterative development of Business Intelligence in the bank. Development is done in line with the vision of the program in making right decisions based on reliable and on time information, meeting all quality and security needs.
Project Results	▪ Basel 2 data layer with 5 years history was designed ▪ New Campaign Management Analytical datamart was created ▪ Single view on Customer on Branches was developed ▪ Product Catalog was prepared for implementation
Customer Value	▪ State-of-the-art DWH implemented ▪ Faster and easier reporting prepared ▪ Unified code lists (catalogs) designed and activated ▪ Removed redundancy and uncertainty

Platform & Tools	Project size
Oracle DB, SAS, JIRA	Team: 2-7 FTE Duration: >36 months

Santander Consumer Bank

Merger & Core Banking System Consolidation

Project Content	DWH integration for mergers (GE Money Bank and Royal Bank of Scotland), core banking system consolidation (implementation of Partenon), Basel platform migration from AS/400 to SAS, Data Consolidation for KPI project, Support for Collection Business Unit.
Project Results	▪ Fulfill business information requirements in a quickly changing environment (mergers, new core banking systems) ▪ Easier access for business to validated, consolidated data over 6 core banking systems ▪ Time and Cost reduction in Basel 2 group reporting process
Customer Value	▪ Higher transparency and traceability of results through consolidated DWH solution based on SAS ▪ Reduction of time to prepare monthly Basel and Loan Loss Reserve reporting ▪ Acceleration and optimal support of new business requirements ▪ Significant improvement of the data basis for Collection Business

Platform & Tools	Project size
SAS Tools, Oracle	Team: 3 FTE Duration: >18 months

Statistik Austria

STATISTICS AUSTRIA
The Information Manager

Human Resources Planning and Reporting

Project Content	Succession of the existing excel based Human Resource and Financial Controlling solution with a database-based solution (SAS) for 1.000 employees
Project Results	▪ Collection of Data from SAP HR and CO and Provision of Budgeting Results to SAP ▪ Budgeting, More year planning and Forecasting on employee-level
Customer Value	▪ Very exact and quickly available simulations for scenario-planning ▪ High automation of planning and forecasting process ▪ Detail-Analysis on cost-center and employee-level ▪ Planning and calculation of employee-productivity and hourly rates ▪ Proof and Verification of project costs (Human Resources costs) for legal authorities (EUROSTAT und Austrian audit division)

Platform & Tools	Project size
SAP HR, SAS Tools	Team: 3 FTE Duration: 6 months

Prvá stavebná sporiteľňa

PSS

- **Test management for CAS (central authentication system) and IDM (identity and role manager)**

Project Content	Test management for implementation new banks CAS and IDM system.
Project Results	▪ The test strategy a methodology for CAS and IDM system was created ▪ Workflow of test process was set up ▪ Implemented method for static analysis ▪ Support of integration, functional, UAT testing
Customer Value	▪ QA managment for was implemented ▪ Project implementation without delays ▪ Reducing the number of change request

Platform & Tools	Project size
SoapUI, Swagger, JIRA	Team: 1 FTE Duration: 12 months

Prvá stavebná sporiteľňa

PSS

- **Set up complete test process for DMS (Ddocument Management System) implementation**

Project Content	Proces of testing for implementation new banks DMS system.
Project Results	▪ Prototyping setup was implemented ▪ ISTQB and RUP methodology was implemented ▪ Test core documents for DMS system was created ▪ High quality test scenarios was created ▪ UAT, performance amd integration testing was supported ▪ Workflow of test process was set up ▪ Implemented method for static analysis
Customer Value	▪ Protype logic was implemented to practice ▪ Reduction of costs to change reguest and number of errors ▪ High quality assurance management for booth systems was implemented

Platform & Tools	**Project size**
SoapUI, Swagger, JIRA	Team: 1 FTE Duration:10 months

Prvá stavebná sporiteľňa

PSS

- **Indicative offers implementation to bank system - set up complete test process and test management for it**

Project Content	Test management for implementation new banks indicative offers system.
Project Results	▪ Critical conditions for acceptancte testing was created ▪ Static analysis implemented ▪ Indicative offers system test strategy was created ▪ Workflow of test process was set up ▪ ISTQB and RUP met hodology was implemented ▪ Support of integration, functional, UAT and performance testing ▪ Prototyping setup was implemented
Customer Value	▪ Reducing the number of errors for UAT ▪ Reducing the number of change request ▪ High QA managment for system was setup ▪ Indicative offers system implementation without delays

Platform & Tools	Project size
SoapUI, Swagger, JIRA	Team: 1 FTE Duration: 12 months

Prvá stavebná sporiteľňa

PSS

- **Implementation of automatic test tool (Robot) for business testing**

Project Content	Automatic test tol for business testing cross bank systems.
Project Results	▪ PoC (Proof of concept) for Robot was created ▪ Requriments for Robot has been set ▪ Test scenarios was created ▪ Robot was included to daily business cycle
Customer Value	▪ Repeating business testing activities were automated ▪ Time for business testing has dropped rapidly ▪ Testing costs have declined ▪ Work with test scenarios has been simplified

Platform & Tools	Project size
Multiplatform robotic tool	Team: 1 FTE Duration:6 months

Zbor väzenskej a justičnej stráže

- **Web application analysis and design of the functional blocks for the Corps of the Prison and Judicial Guard SR**

Project Content	Business analysis, technical analysis and design of the application functional blocks covering goods warehouse, attendance and remuneration.
Project Results	▪ Detailed design of the solution (DDS) was prepared for development ▪ GUI prototype was delivered for development and customer in Figma tool ▪ Development was able to start and develop application according to DDS ▪ Project time plan kept the deadlines and finished in time
Customer Value	▪ Detailed design of the software was prepared for development ▪ Figma prototype was delivered to the customer

Platform & Tools	Project size
Enterprise Architect, UML, BPMN, Figma, JIRA	Team: 1 FTE Duration: 6 months

Government office of the SR

Web application ISPO

Project Content	▪ Responsibility for the business and technical analysis for the ISPO web app ▪ Reporting module analysis and design ▪ Development support ▪ ISPO documentation
Project Results	▪ ISPO has been released and is used nowadays in production ▪ Launching of challenges and acceptance of applications for the award of funds ▪ ISPO is used as a reporting tool for a EU audits
Customer Value	▪ Digitalization of the government processes ▪ Implemented processes of the creation and gathering information from users and reporter institutions ▪ Semi-automated reporting proces and data quality increase ▪ ISPO Documentation

Platform & Tools	Project size
Enterprise Architect, UML, BPMN, Figma, Swagger, JS, GitLab, PostgreSQL, JIRA	Team: 1 FTE Duration: 14 months

NG Aviation

NG AVIATION

- **Next Generation Aeronautical Information Management Environment (NG AIME)**

Project Content	• Implementation of the unique software platform. • Comprehensive aeronautical data digitization and management complying with the newest ICAO Annex 15 requirements including Digital Data Sets. • Digital NOTAM and obstacle management.
Project Results	• Successful creation of the NG-AIME - unique and state-of-the-art environment for the digitization of aeronautical data in AIXM 5.x format. • Creation, validation & verification, publishment, view and sharing digital aeronautical information.
Customer Value	• Visual representation of digital NOTAM improved overall situational awareness of all relevant airside departments. • Full AIS to AIM transition guaranteed by managing all ICAO Annex 15 datasets in one AIXM 5.1 environment. • Immediately accessible aeronautical information with its visual representation boosts data understanding & increases aviation safety.

Platform & Tools	Project size
MS Office tools, MS Azure DevOps	Team: 1 FTE Duration: 12 months

IT Architecture, Knowledge Management

Project Content	Responsibility for the design of the architecture of the IS solution and the implementation of technologies, primarily from the point of view of sustainability, quality and financial costs, for the solution of the architectural goals of the IS design project and compliance with architectural principles.
Project Results	• Design of IT architecture, incorporation of ISESRU and MSRSHD projects. • Consolidation of IT architecture. • Drawing the architecture in the given tools (Sparx Enterprise Architect, ...). • Introduction of Knowledge Management: writing down types of knowledge in the office, identification of creators and consumers of knowledge. Design of the state in accordance with ISO 30401. Development of basic templates. Development of sustainability guidelines and rules. • Sparx Enterprise Architect trainings and others as needed.
Customer Value	• IT organization, systems and processes of the Authority correspond with modern and best-practice standards

Platform & Tools	Project size
Enterprise Architect	Team: 1 FTE Duration: 18 months

Regulatory Authority for Electronic Communications and Postal Services

Data Warehouse

Project Content	• Design and implementation of the unique custom made DWH solution for Regulatory Authority for EC and PS with automated data-flows with notifications.
Project Results	• Automated data flows were design and implemented • Implementation of the Data Quality rules • Three IT conjugation systems successfully received data from DWH • Notification system was design and implemented
Customer Value	• Time saving and cost reduction • Increased data quality • Accurate data management • Increased data security level

Platform & Tools	Project size
Vertica DB, Apache NiFi, XML, CSV, Excel	Team: 4 FTE Duration: 6 months

Orange Slovensko

- **Enterprise DWH**

Project Content	Responsibility for architectural, analytical and implementation part of eDWH program
Project Results	Allow customer to choose appropriate technology according their size, business needs, holding's regulations taking into account actual status and earlier acquired technologies. Implementation part of eDWH program delivering complete and functional ETL process, analytical datamarts and reports according to business requirements aquired during project managed as agile project using management methods.
Customer Value	▪ Chosen eDWH architecture & defined design standards ▪ Improved data quality for delivered data areas ▪ Transparency of solution, data flows, and more sofisticated reports and data outputs

Platform & Tools	Project size
Sybase Power Designer, Oracle DB	Team: 3 FTE Duration: 12 months

Orange Slovensko

Big Data Hadoop Solution

Project Content	Responsibility for design, implementation, project management and testing of Hadoop Solution based on Cloudera Distribution (CDH5)
Project Results	Allow customer to collect, transform, near-online data from telco technological platforms, subsequently to combine those data with actual DWH data, and at the end of the process to aggregate and report results on near-online basis (15 minutes period).
Customer Value	▪ New fault-tolerant solution with high flexible scalability on low-cost IT components ▪ Cost saving based on moving of specific parts of loading from DWH into cheaper environment of Hadoop ▪ Bringing the outputs to customer more quickly

Platform & Tools	Project size
Cloudera Distribution including Apache Hadoop, Apache Hive, Oracle DB	Team: 1 FTE Duration: 9 months

Orange Slovensko

orange™

Campaign management (Event Driven Management)

Project Content	Responsibility for implementation of event-driven-campaigns for e-care, e-mail, orange portals, salespad, e-shop into Campaign Management System.
Project Results	Allow customer log-in and to be automatically prompted with relevant on-going campaign offers and being them able to buy, including: ▪ Marketing operations & Optimization ▪ Interactive Inbound Architecture ▪ Integration product catalogue & E-shop Allow to query a "to come" running campaign repository and present customers the one that are relevant.
Customer Value	▪ Streamlined marketing processes ▪ Improved marketing efficiencies, resulting in time and costs savings ▪ Improved campaign results through the use of model scores that further refine customer and prospect segments

Platform & Tools	Project size
IBM Unica, Oracle DB, SQL Developer, IBM SPSS	Team: 1 FTE Duration: 12 months

Overview of delivered projects in Volkswagen Slovakia

Ended and successfully delivered projects for Volkswagen Slovakia since 2012 till now

2022

Planning, Projects steering

- Component relocation of the plant washing, pickling and passivation
- Planning W&P containers for Touareg, Cayenne, Q8
- Project support for process planning (Arbeitsplan)
- Planning management for Touareg and Cayenne
- Project management in Toolmaking facility, Stupava

2020

Digital Factory, Hall Layout System

- Digital Factory
- HLS
- 3D scanning

- Creation of 3D models
- Collision analysis
- 2D section planes
- Technologies in the hall
- Availability and non-collision checks
- Simulations

2018

Digital Factory, Planning

- Digital Factory, Plannning of production lines
- Standardisation of 2D/3D models (buildings, technology)

- Corporate guidelines
- Process design
- Process Designer, Process Simulate
- Bentley Microstation V8i, Venturis
- HLS, CAD, BIM, ProjectWise

2016

Ultrasound quality control in car-body shop

- Test planning, Ultrasound

- Test plans
- Visualizations
- Measurements

2014

IT projects

- Project management of IT Security Program
- „IT-aus-1-Hand" Program Management

- IT security standardization
- Implementation of 38 IT security projects

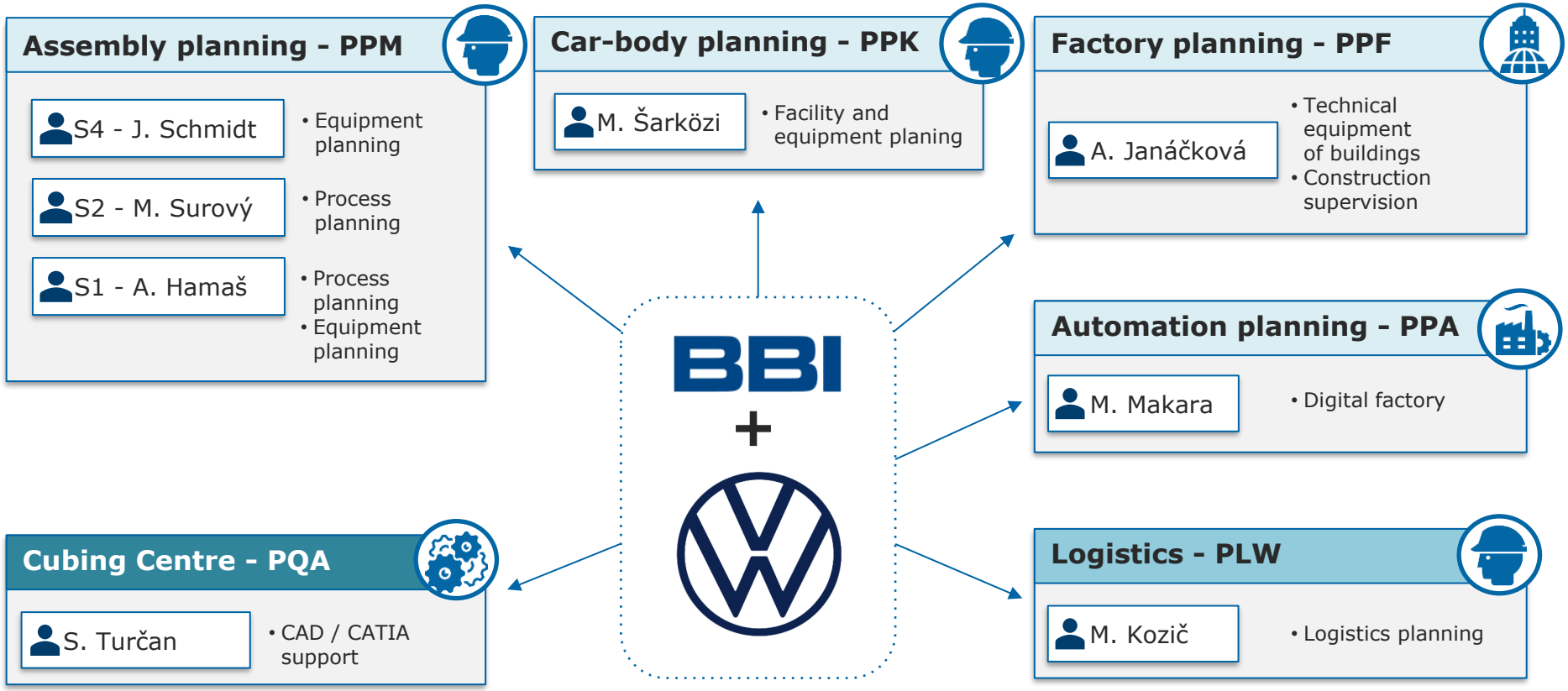
2012

- Logistics Application Migration, ToolsNet 4000 Integration
- Key System Evidence app, Oracle Platform Redesign

BBI + VW

Overview of currently running projects

Current projects on which BBI provides services for VWSK*:



* Status as of December 2024

Volkswagen Slovakia

Preparation of data for the measurements in CATIA (Messraum Meisterbock & Cubingzentrum)

Project Content	Preparation of the data for the measurement technicians in CATIA, CAD analysis, creation/construction of the data or the adaptation of the existing data for 3D printing of the prototype parts
Project Results	▪ Downloading the CAD data from the Hyper KVS system ▪ Adjustment/reduction/cleaning of the data by the elements of the auxiliary geometry, adaptation of data to the needs of measurement technicians ▪ Creating lists of parts, Adding the RPS points from the drawings ▪ Creating the inspection characteristics plan points / PMP – points or adjusting and adding them of the existing PMP points for the needs of the MBC ▪ Create drawings for presentations to visualize 3D geometry the Catia system ▪ Checking the devices in comparison to the CAD data, example: teaching from the supplier
Customer Value	Faster processing of CAD layouts for measuring hardware, faster and more precise analysis of car parts

Platform & Tools	Project size
CATIA V5	Team: 1 FTE Duration: 3 years

Volkswagen Slovakia

Employee Performance Evaluation & Reporting

Project Content	Design, develop and release to production new information system based on Balanced Scorecard principle. System is used for evaluation of individual and team performance using multidimensional target matrixes . System represents baseline for employee bonuses.
Project Results	New Balance Scorecard reporting introduced new functionality: ▪ paperless workflow for setting up individual target matrixes, ▪ variety of options for flexible targets' management, ▪ functions for automated processes (data loading, archiving, e-mailing, data quality checking, logging, back-ups, single-sign-on...), ▪ data manipulation, data aggregation, data drill-down.
Customer Value	New, fast, engaging and powerful system for transparent employee performance evaluation. System loads data from source system (SAP, flat files, Excel, ...), stores data in central Oracle database, distributes data through BI tool Spago and presents it to user within web browser.

Platform & Tools	Project size
Oracle ETL, Oracle DB, SpagoBI, Java EE (Spring ROO), Kerberos	Team: 8 FTE Duration: 9 months

Volkswagen Slovakia

- **„IT-aus-1-Hand" Program Management**

Project Content	Management of projects related to migration of IT infrastructure from non-IT departments under operation of IT department. Projects contain also hand over of responsibilities for hardware, networks and databases "under one roof".
Project Results	Successful implementation of projects ▪ ToolsNet 4000 Integration (system for evaluation of screwdriving results) ▪ Key System Evidence Implementation ▪ Logistics Application Migration ▪ Oracle Platform Redesign (implementation of Oracle SPARC T5 servers) ▪ Factory Control Room ▪ Wi-Fi Penetration Tests
Customer Value	Providing efficient and professional project management, including project planning, negotiations between several parties (customer's departments, software vendors, service providers, etc.), risk & quality management and reporting.

Platform & Tools	Project size
MS Office tools, MS Project, MS Visio	Team: 1 FTE Duration: 24 months

Volkswagen Slovakia

IT Security Standards Implementation

Project Content	Implementation of group-wide IT Security Standards in Slovak factory. Responsibility for project management of 38 projects of IT Security Standards Implementation.
Project Results	▪ Successful implementation of all security projects ▪ Passing all audits related to IT Security ▪ Establishing long term sustainability in area of IT Security
Customer Value	Providing efficient and professional project management to customer, including project planning, organizing, negotiations between several parties (customer's departments, software vendors, service providers, headquarter in Germany, etc.) risk management, quality management and reporting.

Platform & Tools	Project size
MS Office tools, MS Project, MS Visio	Team: 1 FTE Duration: 24 months

Volkswagen Slovakia

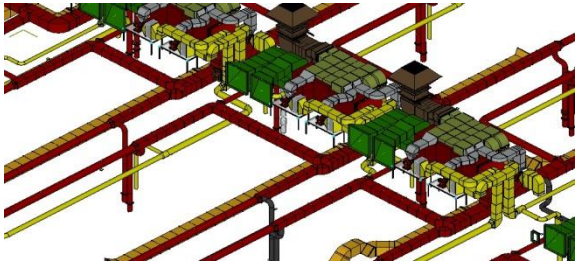
- **Standardization of 2D and 3D technological models (HLS)**

Project Content

Design, development and standardization of:

- 2D models based on digital archive and
- new 3D objects and models

of VW factory, manufacturing and technological objects as HLS – Hall Layout System project. All according VW standards set up in base SEED files of main application

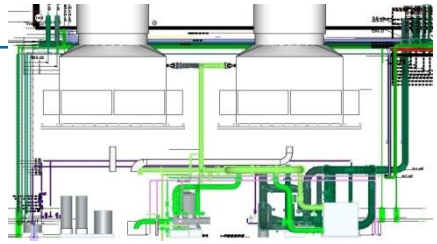


Project Results

- Developed required 2D and 3D models using Bentley Microstation V8i application and implemented modules Bentley Architectural (buildings), Venturis VDA (social, air and heat technology) and Venturis TGA (automation).
- Integration of CAD, BIM and geospatial data using Bentley ProjectWise
- Developed administration process to maintain application users, roles, access rights
- Creation of structures in HLS using HLS Admin Tools

Customer Value

- Development of 2D and 3D models of VW factory
- Easier creation of 2D sections views and 3D models used as
- Models are valuable input for reconstruction works in VW



Platform & Tools	Project size
Microstation V8i, Bentley ProjectWise, Venturis VDA & TGA, HLS	Team: 10 FTE Duration: 5 years

Volkswagen Slovakia

- **Management planning for SUV Volkswagen Touareg a Porsche Cayenne**

Project Content	▪ Planning and monitoring of investments to modernization of automation process, evaluation of project deliveries ▪ Coordination of tasks execution in Facelift process, processes between suppliers and manufacturing departments of VW ▪ Validation of technical KPIs
Project Results	▪ Optimization of manufacturing processes ▪ Implementation of quality and effective enhancements to manufacturing ▪ Executed testing benchmarks of supplier deliverables
Customer Value	▪ Project deliveries implemented in required time and quality ▪ Single point of contact for coordination of logistic, manufacturing, external suppliers and maintenance processes ▪ Implemented manufacturing changes (working methods, parts, materials, SW and HW)

Platform & Tools	Project size
MS Office tools, MS Project, MS Visio	Team: 1 FTE Duration: 18 months

Volkswagen Slovakia

Digital Factory Implementation and Integration

Project Content	Digital Factory integration within VW SK, DF processes adjustment for the planning department, know-how transfer. Product Data Management and Robotic Welding Lines Project Management. Standardization of deliveries of construction, simulation and planning data in the supply chain. DF and Documentation integration.
Project Results	Setup of DF processes across departments. DF integration and Product Data Management integration in DF. Know-how transfer. Standardized data deliveries for DF.
Customer Value	Obtaining a modern tool for Production Lines Planning, simplification of processes in their proposal. Creating a single database with unified product information, production technologies, costs, processes ...

Platform & Tools	Project size
MS Office tools, Process Designer, Process Simulate, Connect, KVS, CATIA, KATE,...	Team: 1 FTE Duration: 60 months

Volkswagen Slovakia

Planning of reviewing and testing, Ultrasonic

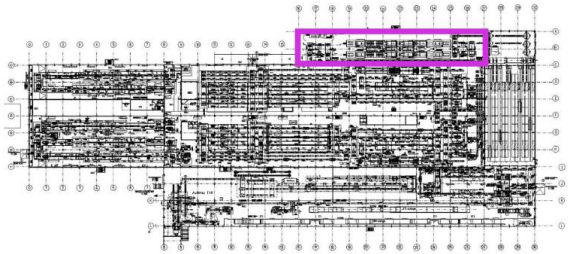
Project Content	Creation and updating of the plans and visualizations to control spot weld ultrasonic method by ULTRALOG Database Manager and CATIA. Fine-tuning of the programs on the software ULTRALOG and with the support of the device USLT 2000. Measurement and management of point sweat with the use of the SpotChecker devices. Evaluation and analysis of measurement results, database maintenance in UltraCAR program.
Project Results	Elaborated review and test plans, solved and analyzed by measuring results.
Customer Value	Complete coverage of the Planning of reviewing and testing in car body manufacture

Platform & Tools	Project size
ULTRALOG Database Manager, UltraCAR, CATIA	Team: 1 FTE Duration: 24 months

Volkswagen Slovakia

- **3D scanning of the Paint shop**

Project Content	• Definition and creation of the geopoints • 3D scanning of the paint shop – all 4 floors including point cloud splitting and delivery of the panoramatic photos. • Import of the point cloud into HLS standards.
Project Results	3D project documentation, determining the actual dimensions of the construction, BIM (Building Information Modeling), interior planning, and creation of virtual tours. As-build documentation of pipes, ducts, technology. Non-Contact laser 3D measurement. Measuring 1 milion points per second. Point cloud – import into Revit/Microstation/Autocad. 3D and BIM modeling from point cloud.
Customer Value	Fast and less expensive 3D model of the paintshop using automatic digitalization techniques.



Platform & Tools	Project size
MS Office tools, Microstation, HLS, Faroscene, Connect, KVS, CATIA, KATE,...	Team: 3 FTE Duration: 4 months

Volkswagen Slovakia

- **Component relocation of the Plant Washing and Passivation**

Project Content	Component displacement from Hall H6b to Hall H4a. General management and planning of perimeters, manufacturing, industrial safety and logistics (transport + repacking). Planning the production of washing and passivation containers. Conversion of sample containers, 3D visualization, design of washing and passivation containers, Vision.
Project Results	Planning and implementation of repacking places for washing and passivation pressing plant container in the hall H6b incl. lighting, layout, work plan. Washing and passivation container tests in the hall H4a.
Customer Value	Whole project realization, from planning through implementation to delivery. Communication with the Procurement Division (VW Wolfsburg). Design, conception, use and release of the washing and passivation container in VW SK.

Platform & Tools	Project size
MS Office tools, ...	Team: 1 FTE Duration: 12 months

Volkswagen Slovakia

- **Technology and Component Planning – „Prüfplanung“**

Project Content	Project management, monitoring deadlines from orders to deployment. Proposals for the creation of measurement points, functional dimensions. Commenting measuring concepts. Evaluation of technological changes - the impact of changes to control products, measuring programs and alignment of parts. Supporting planning activities in this area.
Project Results	Management „Prüfdatenbank“, Data update
Customer Value	Management „Prüfdatenbank“, Data update

Platform & Tools	Project size
MS Office tools, HyperKVS,...	Team: 1 FTE Duration: 12 months

Volkswagen Slovakia

Creating logistics process plans using Arbeitsplan

Project Content	The standardization of process plan logistics operations (abbr. Logistics plan) composes all work design relevant aspects within the inhouse logistics.
Project Results	▪ Determination and improvement of key performance indicators (F-time, capacity utilization, personnel demand, ergonomics) ▪ Description and optimization of the material flow ▪ A tool for decision making in order to move processes ▪ Documentation of the process sequence (detailed description, capacity utilization, Layout, MTM and demonstration of material flow) ▪ Calculation of container turnaround, logistic cycle times and travel time based on the process plan and the layout
Customer Value	Significant reduction of effort required to document and evaluate logistics processes

Platform & Tools	Project size
Arbeitsplan	Team: 1 FTE Duration: 48 months

Volkswagen Slovakia

Start of the new Audi Q7 and Audi Q9 projects

Project Content	The new Audi Q7 NF (AU546) and Audi Q9 (AU616) projects go into series production. Implementation of an assembly line workflow. Designing the work instructions for assembly workers.
Project Results	Development of a single workflow for series production of the new Audi Q7 NF and Audi Q9: • Processing of data obtained during 3P workshops • Implementation of data from Product Data Management (PDM) files • Development of procedures and work instructions in the Arbeitsplan system for individual assembly line operations
Customer Value	Fully developed workflow for the assembly line. Several hundreds of finally drawn and written work instructions for assembly line operators.

Platform & Tools	Project size
Arbeitsplan, Hyper KVS, MS Office	Team: 2 FTE Duration: 30 months

Volkswagen Slovakia

Creating manuals for building vehicles using Arbeitsplan

Project Content	Draft manuals for vehicle assembly using Arbeitsplan guidelines. Ensure accuracy, clarity, and completeness of the manuals.
Project Results	▪ Detailed step-by-step guides for vehicle assembly ▪ Manuals designed in alignment with Arbeitsplan functionalities ▪ Streamlined processes leading to increased productivity ▪ Minimized errors and rework due to clear instructions ▪ Valuable resource for training new personnel
Customer Value	Improved vehicle assembly processes for the client. Minimized mistakes and rework, leading to cost savings.

Platform & Tools	Project size
Arbeitsplan, Hyper KVS, MS Office tools	Team: 2 FTE Duration: 24 months

Volkswagen Slovakia

- **Planning/start-up support and sourcing of operational resources for project AUDI AU546/AU616**

Project Content	Integration of the project AU546/ AU616 (Audi Q7 and Audi Q9) in the assembly line in Hall H3 and Hall H8 together with the VW Touareg and Audi Q8.
Project Results	▪ Assessment of problems/difficulties within the pre-series part of the project ▪ Coordination of the appropriate elimination of defects together with process-planning department ▪ Ordering of resources based on a list of the current Audi Q7/Q8 ▪ Creation of further specifications for resources needed, as a result of the 3P Workshops and first pre-series vehicles including testing, various corrections and handover of the project to serial production
Customer Value	Easier communication between German-/Slovak-speaking departments. Coordination of the project planning, therefore reducing the project management's need of micromanaging every step of the process.

Platform & Tools	Project size
MS Office tools, HyperKVS	Team: 1 FTE Duration: 23 months

Volkswagen Slovakia

Processplanning at car assembly division

Project Content	Design, develop and release to production new informations based on Tech release department. System is used for evaluation of individual changes of materials used and for technical changes in production. System represents baseline information source for production line on Segment 1, hall H8, model Touareg generation 3rd.
Project Results	Managing series production data of Touareg, generation 3: ▪ paperless workflow, ▪ processing new tech release changes, ▪ managing of new material parts in prodution, ▪ functions for automated processes (data loading, archiving, e-mailing, data monthly checking, logging, back-ups, single-sign-on...), ▪ data manipulation, data aggregation, data drill-down.
Customer Value	Fast, engaging and powerful sharing informations from Tech release system for production line.

Platform & Tools	**Project size**
Arbeitsplan, Hyper KVS, Avon, TAED, SharePoint	Team: 1 FTE Duration: 30 months

Volkswagen Slovakia

- **Planning the construction of a bodywork line in hall H1 (body shop) for the model Porsche Cayenne**

Project Content	▪ Coordination of suppliers in the construction of fully automated lines and their handover to VW ▪ Start-up of production of the first parts in individual phases of the project, support after SOP
Project Results	▪ Monitoring technical changes, procedures, technologies and quality of parts ▪ Providing the construction program of individual project phases ▪ Evaluating technical availability of lines, measuring cycle times ▪ Management of reported line deficiencies, inspections ▪ Creation of work procedures and visualizations of parts
Customer Value	▪ Project implementation in the required time and quality ▪ Reporting to management ▪ Point of contact for coordination of logistics, production, external supplier and processes and OHS

Platform & Tools	Project size
MS Office tools, Hyper KVS, Connect, SAVE, AVON	Team: 1 FTE Duration: 30 months

ŠKODA Auto

Layout pattern of conveyor techniques for welding hall M14

Project Content	Adjustment of the current layout welding hall in the production plant from the view of conveyor technology. Removal of no longer existing layouts. Drawing of new tracklanes and lifting equipment by the current situation. Drawing of the direction of material flow, cycle and throughput of individual sections.
Project Results	Customer received: ▪ Pattern drawing of the layout of the welding hall. ▪ Definition of the markings of individual sections (marks, colors, thicks of lines, etc.)
Customer Value	Setting a pattern drawing of the hall floor plan, according to which all other production hall layouts for the area of conveyor technology will be created.

Platform & Tools	Project size
Microstation V8i, Bentley ProjectWise, HLS	Team: 1 FTE Duration: 2 months

ŠKODA Auto

- **Modification of the suspension device on the assembly conveyor– Kvasiny K7, ML1 Kodiaq**

Project Content	Adjustment of the existing door alignment system on the underslung conveyor so that it is possible to hang doors of the Kodiaq model in addition to the existing Karoq, Ateca and Octavia models.
Project Results	Customer received: ▪ Design of the structure for the tender ▪ Methodological guidance of the selected supplier ▪ Ensuring of removal of any deficiencies ▪ Guidance of the approval process for the acceptance of systems for serial production
Customer Value	The device could not be used in its original state. The doors of the Kodiaq model were too large. It leaded to a collision. After installing of the additional elements (around 150 suspension jigs), it will be possible to hang the doors for the Kodiaq model at normal production cycles..

Platform & Tools	Project size
Catia V5, MS Office tools	Team: 1 FTE Duration: 8 months

Foxconn Slovakia

FOXCONN

- **Production line design and simulation**

Project Content	Robotic cell for PCB (printed circuit board) testing layout and engineering design. Machines, devices and complete cell tact points verification.
Project Results	▪ Engineering design for dedicated devices, machines and in-process conveyors ▪ Layout for dedicated devices and machines within testing cell area ▪ Design and optimization for testing cell processes ▪ Devices and machines kinematics visualization ▪ Robotic simulations
Customer Value	Fully optimized testing cell according to tact time. Optimized in-process tasks and operations. Testing cell simulation model with devices,machines and robots utilization analysis. Output as video presentation.

Platform & Tools	Project size
Process Designer, Process Simulate, CATIA V5	Team: 2 FTE Duration: 1 month

České aerolinie

CSA CZECH AIRLINES

Frequent Seller Program

Project Content	Develop application for the Frequent Seller loyalty program based on data from existing Data Warehouse. Find technology solution not going beyond the limitations of the existing infrastructure.
Project Results	▪ Development of JAVA based Web application connected to Oracle database ▪ Communication with Data Warehouse and other databases ▪ Web based access for both administrators and sales staff ▪ Fully customizable behavior of the application
Customer Value	▪ Increase in sales through travel agencies ▪ Improvement of communication with sales staff ▪ Enhancement of marketing activities

Platform & Tools	Project size
java, Oracle DB, web development tools	Team: 5-7 FTE Duration: 12 months

České aerolinie

CSA CZECH AIRLINES

Data Warehouse Development

Project Content	Development of an Enterprise Data Warehouse. Data sources involved internal and external databases (reservations, sales, flights, etc.).
Project Results	▪ Analysis, design and developments of parts of Enterprise Data Warehouse ▪ Data integration and consolidation ▪ Our team was engaged in multiple roles from analysts to project managers
Customer Value	▪ Global enterprise data support for better decision making at all levels of management ▪ Reduced time and effort of standard reports development.

Platform & Tools	Project size
Oracle DB, PL/SQL	Team: 5-8 FTE Duration: 18 months

Physical security concept

Project Content	Concept of drinking water protection and risk management in drinking water supply to the population for Bratislavská vodárenská spoločnosť
Project Results	Elaborated conception for physical security of waterworks objects ▪ reservoirs, ▪ wells, ▪ sewage treatments, ▪ waterpipes, ▪ pumping stations.
Customer Value	Defined physical security concepts, rules and principles.

Platform & Tools	Project size
Physical security guidelines	Team: 2 FTE Duration: 3 months

Bionergy

BIONERGY

- **Assessment of physical and IT security proceses**

Project Content	Assessing the current state of security processes at Bionergy from physical security perspective and IT security perspective
Project Results	Reviewed physical security in all 4 water treatment sites and one head office site. Assessed the real-time network communication for 2 weeks using the network probe CISCO ASA5506. Analyzed and verified security processes of the company.
Customer Value	Assessment of all physical and IT security processes of Bionergy company.

Platform & Tools	Project size
Physical security guidelines	Team: 2 FTE Duration: 3 months

Panasonic AVC Network

Panasonic

Production Traceability Reporting System

Project Content	Working effectivity and production traceability reporting was needed. Oracle Applications 11i were chosen as source system. Missing analytical possibility to report application data was identified.
Project Results	▪ Using Oracle Discoverer Desktop/Plus as analytical tool for ad-hoc reporting ▪ Using Oracle Discoverer Viewer for displaying and visualization of working efficiency ▪ Development of reporting layer for middle management ▪ Series of user trainings
Customer Value	▪ Powerful analytical reporting system ▪ Production results, reject ratio, working efficiency visualization ▪ Unified reports throughout the company

Platform & Tools	Project size
Oracle Discoverer, Oracle DB	Team: 2-4 FTE Duration: 10 months

Živnostenská Banka

Živnostenská Banka
UniCredit Group

Reporting Portal

Project Content	▪ Many reports in the bank. ▪ No logical structure, no sorting, no categorisation of reports. ▪ Many EUL's – integration was needed.
Project Results	▪ Oracle Discoverer solution developed. ▪ Reports are running from Discoverer environment. ▪ Integration with Oracle Portal. ▪ Oracle SSO used.
Customer Value	▪ Unique environment for all users to running and searching reports. ▪ Categorisation of reports into logical structure. ▪ User access management simplification.

Platform & Tools	Project size
Oracle Discoverer	Team: 2 FTE Duration: 7 Months

Erste Bank Österreich

ERSTE BANK

Basel 2 Risk Weighted Asset Calculation and COREP

Project Content	Implementation of SAS Credit Risk Management Solution for calculation of Risk Weighted Assets based on Basel 2 IRB-A approach. Validation of Rating Systems and PD-Estimation. Legal Basel 2 Reporting (COREP-Reporting).
Project Results	▪ Implementation of the legal requirements with a Standard Software Solution for 10 Million Customers ▪ Integration of the solution with the existing Group DWH (Oracle)
Customer Value	▪ Short Implementation Time (less than 9 months) ▪ Development of additional data marts for the users for simulation purposes (Stress-Testing, Portfolio-Analysis) ▪ First bank in Austria that has managed to implement Basel 2 IRB-A approach with successful approval of national bank and legal authorities

Platform & Tools	Project size
SAS Credit Risk Management, Oracle DB	Team: 4 FTE Duration: 9 months

Fortis – Von Essen Bank

Reporting Governance, IFRS Reporting

Project Content	Implementation of Reporting Governance for Risk, Marketing and Controlling, Automation of Reporting Processes. Automation of the HGB – IFRS Transformation Process for Group Reporting.
Project Results	▪ Reporting Governance for transparency of Key Performance Indicators for Risk Management, Marketing and Controlling ▪ High automation and high comfort for the monthly HGB – IFRS transformation process
Customer Value	▪ Higher transparency and traceability of reporting results through the reporting governance ▪ Reduction of time to prepare monthly reporting ▪ Acceleration and optimal support of the ongoing data quality enhancement process ▪ Significant improvement of data basis for Tracking of the newly implemented automated Risk decision system

Platform & Tools	Project size
SAS Tools, SAS DDS	Team: 2 FTE Duration: 6 months

Wirecard bank

wirecard

Middleware implementation

Project Content	Core banking system replacement incl. full middleware implementation with all related interfaces to Temenos T24 core banking technology, internal customer / merchant and card platforms interfaces, FICO Anti Money Laundering and Know Your Customer solutions.
Project Results	▪ New information system architecture including infrastructure ▪ Successful implementation of Apache Kafka stream-processing software platform with high-throughput and low-latency for handling real-time data feeds. ▪ High automation and high comfort with business processes management. Implemented Camunda BPMN workflow and decision automation platform.
Customer Value	▪ Business processes automation and reliability for data automation ▪ Handling high-velocity and high-volume data. ▪ Variety of use cases management. ▪ Distributed and scalable architecture ▪ Business process optimization and monitoring with advanced analytical reports

Platform & Tools	Project size
Apache Kafka, Confluent Platform, Camunda BPM, Oracle DB, Java EE, REST, Excel, Visio	Team: 6 FTE Duration: 14 months

Českomoravská SS

Českomoravská stavební spořitelna
Na těchto základech můžete stavět

Initial Study DWH and MIS

Project Content	▪ The customer is considering integration of DWH and MIS into the infrastructure ▪ It is necessary to estimate the scope and the architecture of the new solution ▪ The requirements need to be prioritized and split to increments

Project Results	▪ According to the workshops with key users the analysis has been prepared specifying:
	  ▪ The overall scope, timeline and costs for the implementation
	  ▪ Priority of requirements
	  ▪ DWH/MIS architecture in scope of the whole infrastructure

Customer Value	▪ Improvement and global overview of reporting needs and requirements across the whole company ▪ Clarification of requirements and priorities ▪ Comprehensive basics for DWH architecture, MIS and reporting

Platform & Tools	Project size
Oracle DB	Team: 1 FTE Duration: 3 Months

Českomoravská SS

Českomoravská stavební spořitelna
Na těchto základech můžete stavět

Business Domain Model

Project Content	▪ According to the system integration connected to the new CBS it is necessary to create Business Domain Model ▪ It is necessary to unify requirements, business terms, business domains and their relation between IT and business departments
Project Results	▪ Enterprise Architect tool used (standard tool in ČMSS) ▪ BDM (Business Domain Model) has been created, describing most important entities and their relations ▪ Business Dictionary has been created
Customer Value	▪ Sources for better communication between IT and business departments

Platform & Tools	Project size
Enterprise Architect	Team: 2 FTE Duration: 3 Months

ING Pojišťovna

Business Analysis for Project Solvency II

Project Content	▪ Comply regulatory requirements of Solvency II ▪ Automate the data processing of obligations and assets of the company
Project Results	▪ Business analysis reflecting regulatory requirements, regional management of ING group and business users used as a basis for data processing automation
Customer Value	▪ Preparation for regulatory requirements ▪ Better accuracy and reliability for data automation

Platform & Tools	Project size
	Team: 2-3 FTE Duration: 5 Months

Česká Pojišťovna

URP

Project Content	▪ Project of data warehouse revitalization required testing of data equality between new and old data warehouse on the business-entity-level.
Project Results	▪ Universal testing tool (URP) developed. It compares data stored in two systems on the level of business entities. ▪ The tool is based on metadata and an engine that interprets them. ▪ Data sources, compared data structures, data transformation and results aggregation rules are defined by metadata. ▪ Comparison results are presented by a set of predefined reports.
Customer Value	▪ User of source systems is able to check the equality of their data on the level of business, non-technical objects. ▪ Tool helps analyze differences found. ▪ Reconciliations can be done repeatedly. Data modifications made in the source systems can be monitored this way.

Platform & Tools	Project size
URP	Team: 2-3 FTE Duration: 6 Months

Credium leasing

credium

Reporting System

Project Content	Credium faced a lack of consistent reporting data across the organization. Significant amount of manual work had to be spent to get the right data in the right time.
Project Results	▪ Analysis of business requirements ▪ Data sources identification and mapping ▪ Definition of priorities ▪ Implementation of reports, using Oracle BI EE environment
Customer Value	▪ Unified reporting system ▪ One version of the truth available ▪ Instant access to data

Platform & Tools	Project size
Oracle BI EE	Team: 4 FTE Duration: 8 Months

Fakultní nemocnice Plzeň

FAKULTNÍ NEMOCNICE PLZEŇ

Data Warehouse and Reporting System Development

Project Content	There was needed Clinical Data Warehouse in the hospital. Health care quality and effectivity reports were required. Hospital KPI's calculation and evaluation were needed.
Project Results	▪ Data Warehouse data model design ▪ ETL design and implementation ▪ DW implementation in Oracle DB ▪ End user reports creation ▪ Other consulting services
Customer Value	▪ Consolidated platform for management reporting ▪ Ad-hoc reporting tools for health care effectivity and quality ▪ Possibility of analyses of clinical data

Platform & Tools	Project size
Oracle DB	Team: 3 FTE Duration: 7 months

Orange Slovensko

orange™

CRM Consolidation

Project Content	Consolidation of customized CRM system is long term project and consists of several subprojects, which expected outcome is improvement of performance of current processes in CRM system, decommissioning of unnecessary parts of system, migration of existing functionality to the new parts of system, cleansing of access rights and modification of telesales applications.
Project Results	▪ Successful migration of functionality from decommissioned part of system to the newly implemented part of the system ▪ Optimized management of access rights in CRM system ▪ Decommissioned and redesigned functionality linked to the old org. structure
Customer Value	Optimized performance of CRM system by ▪ Decreasing of response time of some CRM subsystems ▪ Optimizing of access rights verification and management ▪ Redesigning of functionality linked to the old organizational structure

Platform & Tools	Project size
ORACLE PL/SQL, Customized solution, PL/SQL developer, SQL navigator, Java EE	Team: 2 FTE Duration: 8 months

Orange Slovensko

Campaign management

Project Content	Responsibility for implementation of Campaign Management for e-care, e-mail, orange portals, salespad, e-shop.
Project Results	Allow customer log-in and to be automatically prompted with relevant on-going campaign offers and being able to buy them: ▪ Marketing operations & Optimization ▪ Interactive Inbound Architecture ▪ MPC Integration & E-shop Allow to query a "to come" running campaign repository and present customers the one that are relevant.
Customer Value	▪ Streamlined marketing processes ▪ Improved marketing efficiencies, resulting in time and costs savings ▪ Improved campaign results through the use of model scores that further refine customer and prospect segments

Platform & Tools	Project size
IBM Unica, Oracle DB, SQL developer, IBM SPSS	Team: 2 FTE Duration: 8 months

Orange Slovensko

- **eDWH (One Reporting)**

Project Content	Long term project. Responsibility for eDWH (One reporting - Phase 2) implementation.
Project Results	▪ Consolidation of reports / dashboards ▪ Identification of people responsible for reporting within the company ▪ Inventorying of existing reports ▪ Creation of robust dashboard based on business needs
Customer Value	▪ Streamlining reporting and analysis and increasing productivity ▪ Cost Reduction ▪ Improvement of operational effectiveness ▪ Enabling Value through Actionable Information

Platform & Tools	Project size
Oracle DB, PL/SQL, SAP Business objects, Oracle reports,	Team: 2 FTE Duration: 8 months

Orange Slovensko

Migration SharePoint 2013

Project Content	Migration from SharePoint 2010 to SharePoint 2013 (all data, sites, webparts, customizations etc.). New intranet design proposal and development.
Project Results	▪ Project ongoing ▪ Estimated data of completion: 11/2014
Customer Value	▪ Migration without data loss and minimal new development requirement. ▪ Configuration of the system and its parts, compilation/development of customized parts.

Platform & Tools	Project size
Microsoft SharePoint 2010, Microsoft SharePoint 2013	Team: 2 FTE Duration: 5 months

AVG Technologies

Talent Management

Project Content	▪ Talent Management Suite
	  ▪ Goals & Performance
	  ▪ Succession & Development
	  ▪ Compensation
	  ▪ Recruiting
	  ▪ LMS

Project Results	▪ Analysis ▪ Implemented Solution ▪ Training ▪ Support & Maintenance
Customer Value	▪ Improved company efficiency ▪ Improved strategy execution ▪ Increased employees' satisfaction

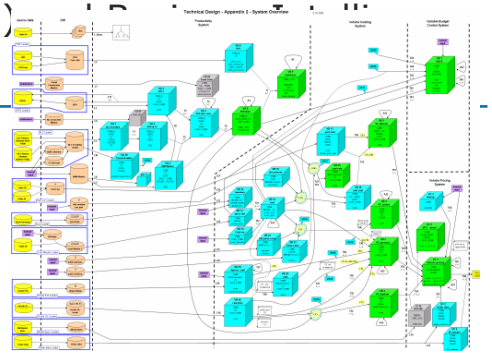
Platform & Tools	Project size
SAP SuccessFactors	Team: 2 FTE Duration: 17 Months

Toyota Peugeot Citroen Automobile Czech

TOYOTA PEUGEOT CITROEN AUTOMOBILE

- **System for calculations of vehicle costs and vehicle prices**

Project Content	▪ Implementation of Business Intelligence system for vehicle costing, vehicle pricing and variable budget control
Project Results	▪ Use detailed data from production to calculate costs of each produced car ▪ Calculate price for each car based on its specific costs ▪ Solution was implemented using Oracle9i, Oracle Application Server, Oracle Express Server and Oracle Financial Analyzer. ▪ It has created the base of data warehouse (Oracle9i) and Application (Oracle Financial Analyzer)
Customer Value	▪ Knowledge of exact costs for each car ▪ Systematic support for setting prices and invoicing ▪ Cooperation with the other applications in TPCA ▪ Power tools for analysis of data



Platform & Tools	Project size
Oracle ETL, Oracle DB	Team: 4 FTE Duration: 6 months

VB Leasing International

VB LEASING

Group Reporting, Risk Management and Basel 2

Project Content	Migration of Reporting for Controlling and Risk Management from an Excel based solution to a database-oriented solution (SAS). Support solution for monthly Data collection and validation of Basel 2 relevant data.
Project Results	▪ High automation and high comfort for monthly data collection process on leasing contract level (200.000 contracts in 11 Eastern European Countries) ▪ Complex performance indicator calculation, created and maintained by non IT-users ▪ Combination of data from several very heterogeneous data sources
Customer Value	▪ Higher transparency and traceability of results through central DWH on leasing contract level for the Holding Company ▪ Reduction of time to prepare monthly reporting ▪ Acceleration and optimal support of ongoing data quality enhancement process ▪ Significant improvement of data basis for Receivables Management and Risk Management (Time Series Analysis, Portfolio-Analysis)

Platform & Tools	Project size
SAS Tools, MS Excel	Team: 2 FTE Duration: 8 months

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