



VBO Services

Business Application Support



Background



Fraunhofer
Institut
Software- und
Systemtechnik

- **Fraunhofer Gesellschaft**
 - biggest german scientific organisation, founded 1949
 - Central remit to carry out research with practical relevance for the benefit of business and society.
 - The **Fraunhofer ICT Group**:
 - 14 institutes (→ 1992 ISST)
 - 3,000+ members
 - 175+M€ p.a. R&D budget
 - **Fraunhofer ISST** designs standards, architectures and concepts for the development of long-term stable, complex systems within the ICT area.

SW ProEngine was DESIGNED at ISST* FRAUNHOFER INSTITUTE

* ISST = Institut für Software und Systemtechnik



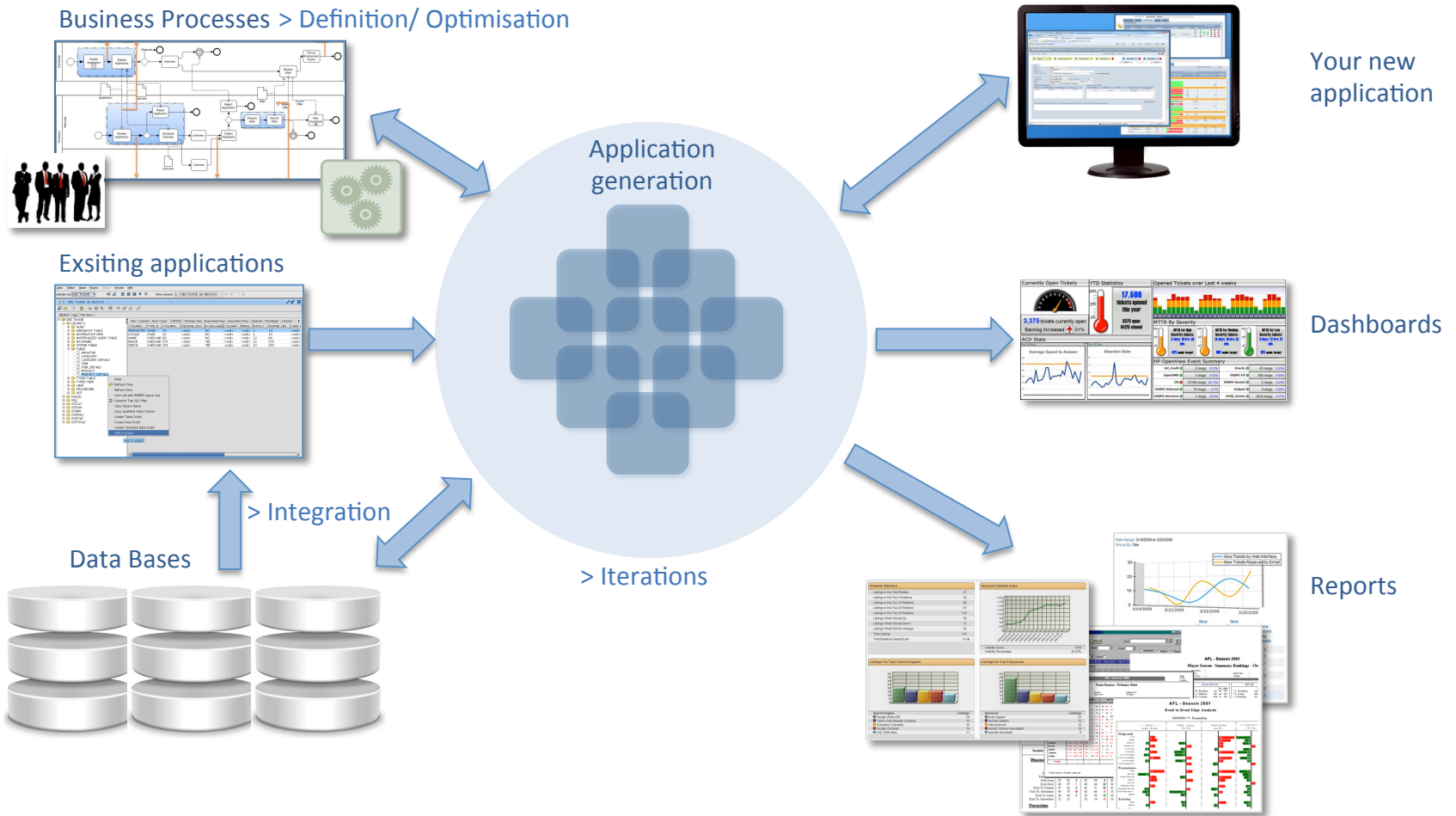


Our goal

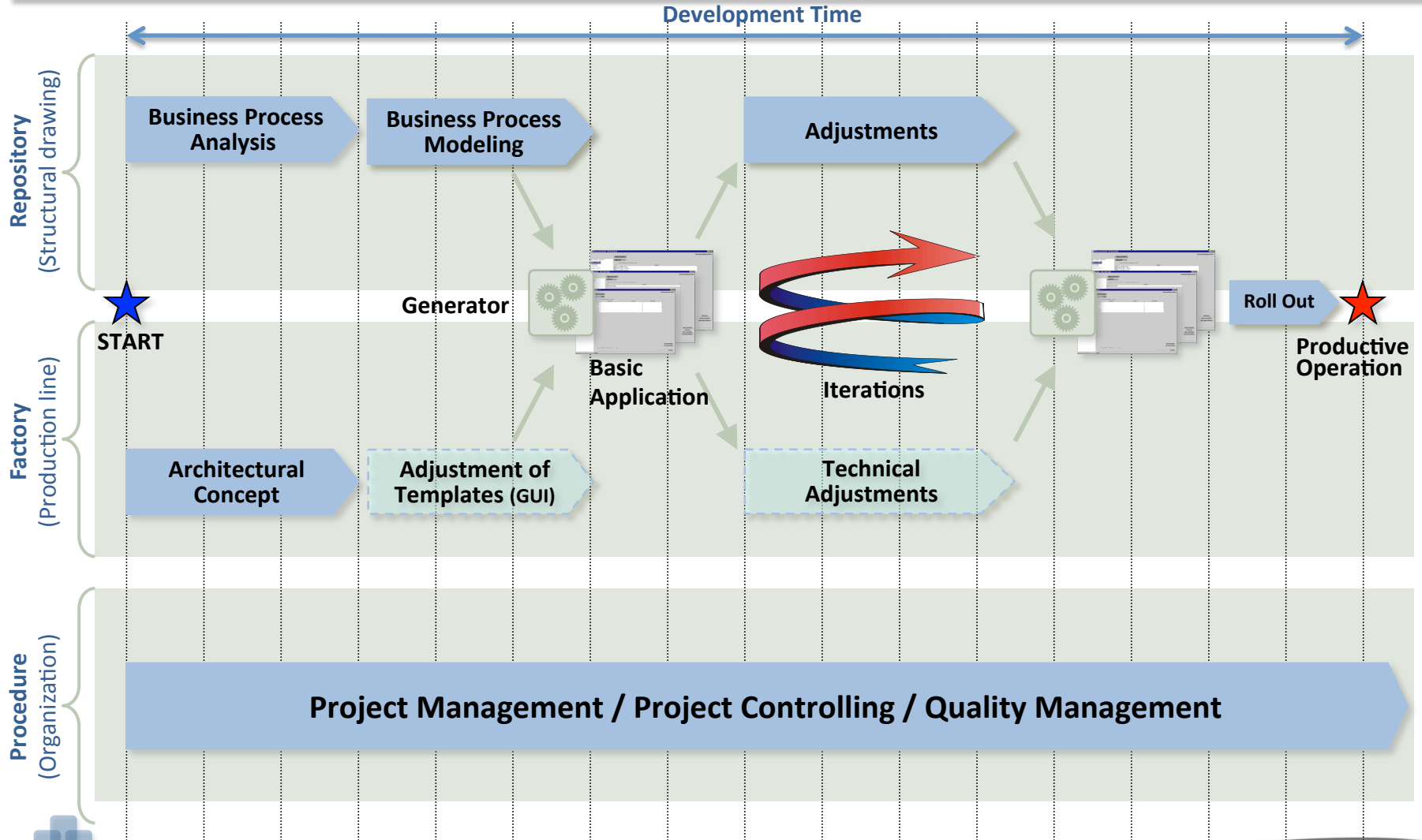
To offer you the
optimal system support for the
changing business processes,
with a **quality** above standard applications
to your
100% satisfaction.



Application design



Application Development Procedure





Key facts

- Fully customised to perfectly match YOUR needs
- High quality application
- Proven stability
- Versatile & flexible
- Multi-tenant, multi-user, multi-language
- Predictable total project costs
- Short project timelines
- Easy software maintenance

Your 100% satisfaction is our goal!



Customer references



Our Expertise

■ *Industry sector* / ■ Application

types

Insurance CRM System

Stock Management

Technology

Ticket Management

HR/ Ressource Planing

Quality Insurance Platform

Software Development

Lifestyle

Tender Platform

Finance

ERP System

Contract Management

Insurance Agent Work Station

Project Management

Insurances

Manpower Planing System

Fashion

Time Recording System

Inventory Management

Payment System

Food

Configuration Management

Web Services

Facility Management System

International Payment System Frontend

Architects/ Engineers



Project Management - Tengelmann

Customer: Kaiser's Tengelmann AG

Details: since 125 years/ turnover: 2.5 billion€ p.a.
17,000 employees/ 550 food stores,



<http://kaisers.de/infoseiten/english.html>

Customer need:

- more transparency for internal business projects needed

VBO Solution:

- central, WEB-based multi-user Project Management Application
- central project document storage and management
- status dashboards & reporting

Development time:

- 8 weeks (including all requested add-ons and changes)
- first working application after two weeks

Actual status: live & 100% stable



Staff/Shift Planing - Tengelmann

Customer: Kaiser's Tengelmann AG

Details: since 125 years/ turnover: 2.5 billion€ p.a.
17,000 employees/ 550 food stores,



<http://kaisers.de/infoseiten/english.html>

Customer need:

- Personell management for all stores to replace the existing system installed locally, in every store
- Overview of personell over all or part of the stores missing
- Simplification of the tool maintenance

VBO Solution:

- Central solution + database for all shops, complete user management for data selection
- WEB Frontend; no local software installation needed

Development time: 5 months

Actual status: live & 100% stable



Project QS

Customer: QS Qualität und Sicherheit GmbH
Bonn, Germany

Details: Quality monitoring and insurance for food products

Customer need:

- WEB based solution for auditing the end-to-end food production chain
- Simplification of the tool administration

VBO Solution:

- WEB based solution for auditing the complete food chain;
further functionality enhancements implemented

Development time: 9 months

Actual status: live & 100% stable



QS. Ihr Prüfsystem
für Lebensmittel.



International Payment System - Geva

Customer: GEVA Business Solutions GmbH



Details: Payment systems/ Bundesbank Gateways/ Data-archiving for Finance Institutions, Corporates, Government: SEPA (Single Euro Payments Area, 2008)

http://www.bundesbank.de/zahlungsverkehr/zahlungsverkehr_sepa.php

Customer need:

- custom business solution for international money transfers with web interface
- existing system (C++) to be integrated in the new application
- WEB Frontend for the existing SEPA application

VBO Solution:

- developed a central, portal based application including architecture and functionalities enhancements
- existing C++ business logic was used and fully integrated

Development time: Four weeks for the first module / further three modules developed during the following four years

Actual status: live & 100% stable



Tender Management Platform - Inverto

Customer: Inverto - www.inverto.de



Details: Purchasing Professionals, staff: 150,

turnover own 23.1M/ managed contracts value: XX bill€

Customer need:

- existing Tender Management application instable (daily reset)
- application not documented > local resources changes not possible
- app development not finished (after 4 years of development)
- difficult communication with the India Development Team (30 persons)
- new business requirements raised

VBO Solution:

- new application development from scratch
- data migration routine
- „over weekend“ application cut-over

Add-Ons:

- contract management, online tender tool, raw material cost tool

Development time:

- first working tool after two weeks/ final tool with all add-ons 8 months

Actual status: live & 100% stable



Screenshot Example

The screenshot shows a web browser window displaying the 'MUSTERFIRMA AG' application. The page title is '2,0, User-ID V10320, Mandant 1'. The navigation bar includes 'Administration | Einstellungen | Opticus | Controlling | Drucken | Passwort ändern | Abmelden' and the date '28.06.2010 12:55 V10320 / V10320'. The breadcrumb trail is 'Akte > Person > Aktion' and the current record is 'Akte 810780 - Meyer'. A process flow at the top consists of six steps: 1. Anlage, 2. Auswahl, 3. Dokumentation, 4. Dokumente, 5. Nachpflege (highlighted), and 6. Abschluss. Below the flow are buttons for 'Notizen', 'zurück', and 'weiter'. The main content area has tabs for 'Nachpflege Termin' and 'Nachpflege Dokument'. A dropdown menu shows 'Termin hat stattgefunden'. The form contains fields for 'Terminstart' (01.07.2010 10:15), 'Terminende' (01.07.2010 12:15), 'Dauer (Minuten)' (120), 'Straße' (Musterstrasse), 'Nr.' (123), 'PLZ' (12345), and 'Ort' (Musterort). There is a 'Termin bearbeiten' button. Below the form are two tables: 'Mitarbeiter' and 'Anwesende Kunden'. The 'Mitarbeiter' table has columns for 'Funktion', 'Name', 'Vorname', and 'Vermittler-Nr.', with one entry: 'Direktor', 'Mustermann', 'Lars', 'V10320'. The 'Anwesende Kunden' table has columns for 'Vorname', 'Nachname', 'Geburtsdatum', and 'Anschrift', with two entries: 'Max', 'Meyer', '01.01.1990', 'Musterstrasse 123, 12345, Musterort' and 'Maxima', 'Meyer', '01.01.1993', 'Musterstrasse 123, 12345, Musterort'. A 'Weitere Person' button is at the bottom right. The browser status bar shows 'Internet | Geschützter Modus: inaktiv' and '100%' zoom.



Screenshot Example

The screenshot shows a web browser window displaying a user interface for 'MUSTERFIRMA AG'. The page title is 'Akte > Person' and the specific record is 'Akte 810780 - Meyer'. The interface includes a navigation menu with options like 'Administration', 'Einstellungen', 'Opticus', 'Controlling', 'Drucken', 'Passwort ändern', and 'Abmelden'. The main content area is titled 'Person auswählen' and shows 'Akte 810780 - Meyer' selected. Below this, there are tabs for 'Bedarfsprofil', 'Z&W', 'SdG', 'SdE', 'SdV', 'AV', 'HuF', 'VaO', 'Steuer', and 'EJA'. The 'Bedarfsprofil' tab is active, displaying a table with columns for 'Bedarf', 'Max Meyer (MP1)', and 'Maxma Meyer (MP2)'. The table contains various needs assessment questions and their corresponding importance ratings for the two individuals.

Bedarf	Max Meyer (MP1)	Maxma Meyer (MP2)
Wie wichtig ist Ihnen... ... die Sicherung Ihres Lebensstandards heute bei Berufsunfähigkeit, Unfall...? (SDE)	sehr wichtig	wichtig
Bedarf ...die optimale Absicherung im Krankheits- und Pflegefall? (SDG)	Ja	weniger wichtig
Bedarf ...die Absicherung Ihrer Hinterbliebenen? (SDE)	Ja	sehr wichtig
Bedarf ...die Absicherung Ihrer Vermögenswerte? (VAO)	sehr wichtig	wichtig
Bedarf ...die Absicherung Ihres Lebensstandards nach Rentenbeginn? (AV)	sehr wichtig	wichtig
Bedarf ...der Erwerb von Wohnungseigentum? (HuF)	wichtig	sehr wichtig
Bedarf ...die Ausbildung (bzw. die finanzielle Unterstützung) Ihrer Kinder? (HuF)	wichtig	sehr wichtig
Bedarf ...die Sicherstellung Ihrer kurzfristigen Liquidität? (VAO)	weniger wichtig	weniger wichtig
Bedarf ...eine entsprechende Vermögensoptimierung unter dem Aspekt "Risiko-Ertrags-Verhältnis"? (VAO)	sehr wichtig	wichtig
Bedarf		



Screenshot Example

2.0, User-ID V10320, Mandant 1 - Windows Internet Explorer

Microsoft © Live Search

2.0, User-ID V10320, Mandant 1

MUSTERFIRMA AG Administration | Einstellungen | Opticus | Controlling | Drucken | Passwort ändern | Abmelden 28.06.2010 12:53 V10320 / V10320

Akte > Person Akte 810780 - Meyer

Person auswählen Akte 810780 - Meyer

Handlungsmatrix Angebot Konzepterstellung Antrag Archiv

Handlungsmatrix Letzte Aktualisierung Aktualisieren Budget (freie Liquidität) 1.448,08

Finanzstatus Letzte Aktualisierung Aktualisieren

Finanzfazit Letzte Aktualisierung Aktualisieren

Masterperson 810782 - Max Meyer, 01.01.1990 (MP1)

Handlungsmatrix

Bedarfsfeld	Prioritätsstufe	Aktueller Status			aktueller Betrag/ Sparrate	notwendiger Betrag
		Zielerreichung	Lücke			
Sicherung der Gesundheit						
PKV mit Beihilfe						0
Stationär	3					
Ambulant						77,43
Zahn Priv. Krankenzusatzvers.						10,95
Sicherung des Einkommens						
Krankentagegeld	2a/2c		0 %	0		0
Berufsunfähigkeit	2a		0 %	0		0
Konzeption Lebensversicherung	2b		0 %	0		0
Unfall			100 %	0		23,8
Pflege			0 %	1.540		0
Sicherung des Vermögens						
Haftpflicht	1	P B T		5.000.000		0
Rechtsschutz		P V B M			P, V, M	0
Kfz (Kasko)	2d					33,23
Hausrat	2d				104.000	0
Gebäude	2d					0
Altersvorsorge						
Rente	3		84 %	642,48		0
Haus und Familie						
	Datum	gewün. EK			Kapital	Sparrate
Eigenheim	01.01.2015	70.000		61 %	27.194,95	30.000 50 371,66
Ausbildung Kinder						
Vermögensaufbau / Optimierung						

Fertig Internet | Geschützter Modus: Inaktiv 100%



Screenshot Example

1.0, User ID VBO123, Client 2 - Windows Internet Explorer
http://localhost:8087/EContorSuite/start/do

Logout
Change clients
Print
e-sourcing
Tenders
Supplier management
Terms and conditions
E-mail templates
Contract Management
Contracts
Departments
Contract criteria
Deadlines
Special agreements
Contract types
Contract partners
Commodity calculator
General
Administration

Tender / Auction Management > Tender

Refresh

Tender title: Tender Test 333
Planned tender end: Offline
Status: Offline

Basic data | Demands | Annex

Tender title (*)
Created by
Responsible person
Tender master
Online date
Closing date
Invited
Registered
proposals

Tender Test 333
VBO.
Managet 1

0
0
0

Planned tender end
Created by
Created on
Last modified by
Last modification

VBO123
06/27/2010 15:55
VBO123
06/27/2010 15:55

User group	Sel.
asdfsfd	<input type="checkbox"/>
GFK	<input checked="" type="checkbox"/>
Nutzerguppe TEST_CN	<input type="checkbox"/>
Nutzerguppe 1	<input type="checkbox"/>
Test	<input type="checkbox"/>

Terms and conditions	Sel.
iii, InventarAnwendung_20080228.doc	<input type="checkbox"/>
Nutzerbedingungen_TEST III, F123.xls	<input checked="" type="checkbox"/>
test_test.txt	<input type="checkbox"/>
TestNeu_090827_Angebot_Tchibo.xls	<input type="checkbox"/>
txt abc, ObjPerson.txt	<input type="checkbox"/>

Show configuration

Fertig | Internet | Geschützter Modus: Inaktiv | 100%



Screenshot Example

Freigabe MT202 > Zahlungsposten

Arbeitsmappe (1)

- Zahlungsposten
- Dateimanagement
- Belegerfassung
 - Neutral
 - SWIFT MT 103
 - SWIFT MT 199
 - SWIFT MT 202
 - Erfassen MT202
 - Freigabe MT202
 - Templateverwaltung MT202
 - SWIFT MT202 cov
 - SWIFT MT210
 - SWIFT MT299
 - SWIFT MT799
 - SWIFT MT999
 - SEPA
- Offene Erfassungen
- Eingangsprüfungen
- ZV-Posten Verwaltung
- Reporting
- Administration
- ?

Abmelden

Zahlungsposten Fehler

Sender's BIC: DVKBDEFFXXX Receiver's BIC: BARCDEFFXXX Urgent: N Tag 108: Template: TEST_MT202_20100326

TRN 20: 1234567898765432 Intern

TRN 21: NONREF

TAG52: Ordering Institution: A 1234567890 DVKBDEFF

TAG53: Sender's Correspond.: B EHYPDEFF TEST GEVA

TAG54: Receiver's Correspond.: -

TAG55: Intermediary Institution: A HYVEUS33001

TAG57: Account with Institution: A BARCGB22

TAG58: Beneficiary Institution: A BARCGB22

TAG32: Amount: Value Date: 14.05.2010 ISO: EUR Int. Settl. Am.: 32A: 3.000.00

TAG72: Information Serder/Rec.: /BNF/P TEST GEVA 20100326 //14017



Screenshot Example

Offene Einzelposten

Arbeitsmappe (1)

- Offene Einzelposten
- Dateimanagement
- Belegerfassung
- Eingangsprüfungen
- ZV-Posten Verwaltung
- Reporting
 - MT940 / MT950
 - Eingang
 - Ausgang
 - Offene Einzelposten
 - Recherche
 - Transaktionen pro Mandat
 - Verarbeitungsprotokoll
 - Drucken
 - Administration
 - ?
- Abmelden

Status: -

Leitweg: -

Zielstruktur: -

Eingangsdatum von: Eingangsdatum bis:

Offene Einzelposten

Status	Leitweg	Typ	Zielstruktur	ISO	Betrag	Ausführungsdatum	Empf.- Valuta	Clearin
CpD_K	MT103 - Ausgang von SAP	G	MT103	EUR	9.777.622.07	18.05.2010	05.05.2010	201012
CpD_K	MT103 - Ausgang von SAP	G	MT103	EUR	9.777.622.06	18.05.2010	05.05.2010	201012
CpD_K	MT103 - Ausgang von SAP	G	MT103	EUR	9.777.622.05	18.05.2010	05.05.2010	201012
CpD_K	MT103 - Ausgang von SAP	G	MT103	EUR	9.777.622.04	18.05.2010	05.05.2010	201012
CpD_F	MT103 - Ausgang von SAP	G	MT103	EUR	9.777.622.03	18.05.2010	05.05.2010	201012
CpD_F	MT103 - Ausgang von SAP	G	MT103	GBP	9.777.622.02	18.05.2010	05.05.2010	201012
CpD_K	MT210 - Ausgang von SAP	G	MT210	USD	6.000.000.00	17.05.2010	17.05.2010	201012
CpD_F	MT103 - Ausgang von SAP	G	MT103	GBP	220.000.00	17.05.2010	28.07.2009	201012
CpD_K	MT103 - Ausgang von SAP	G	MT103	JPY	200.000	14.05.2010	08.10.2009	201012
CpD_F	MT103 - Ausgang von SAP	G	MT103	GBP	440.000.00	10.05.2010	28.07.2009	201012
CpD_K	MT103 - Ausgang von SAP	G	MT103	GBP	440.000.00	10.05.2010	28.07.2009	201012
CpD_K	MT101 - (MT103/MT101) von SAP	G	MT101	EUR	99.999.622.02	10.05.2010	05.05.2010	201012
CpD_F	MT103 - Ausgang von SAP	G	MT103	GBP	500.000.00	06.05.2010	28.07.2009	201012
CpD_K	MT103 - Ausgang von SAP	G	MT103			06.05.2010	06.05.2010	201012
CpD_K	Belegdruck	G	SDD	USD	311.00	06.05.2010	29.07.2009	201012
CpD_F	MT202 - Ausgang von SAP	G	MT202	USD	211.00	06.05.2010	29.07.2009	201012

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GEVA ZV Demo 1.0



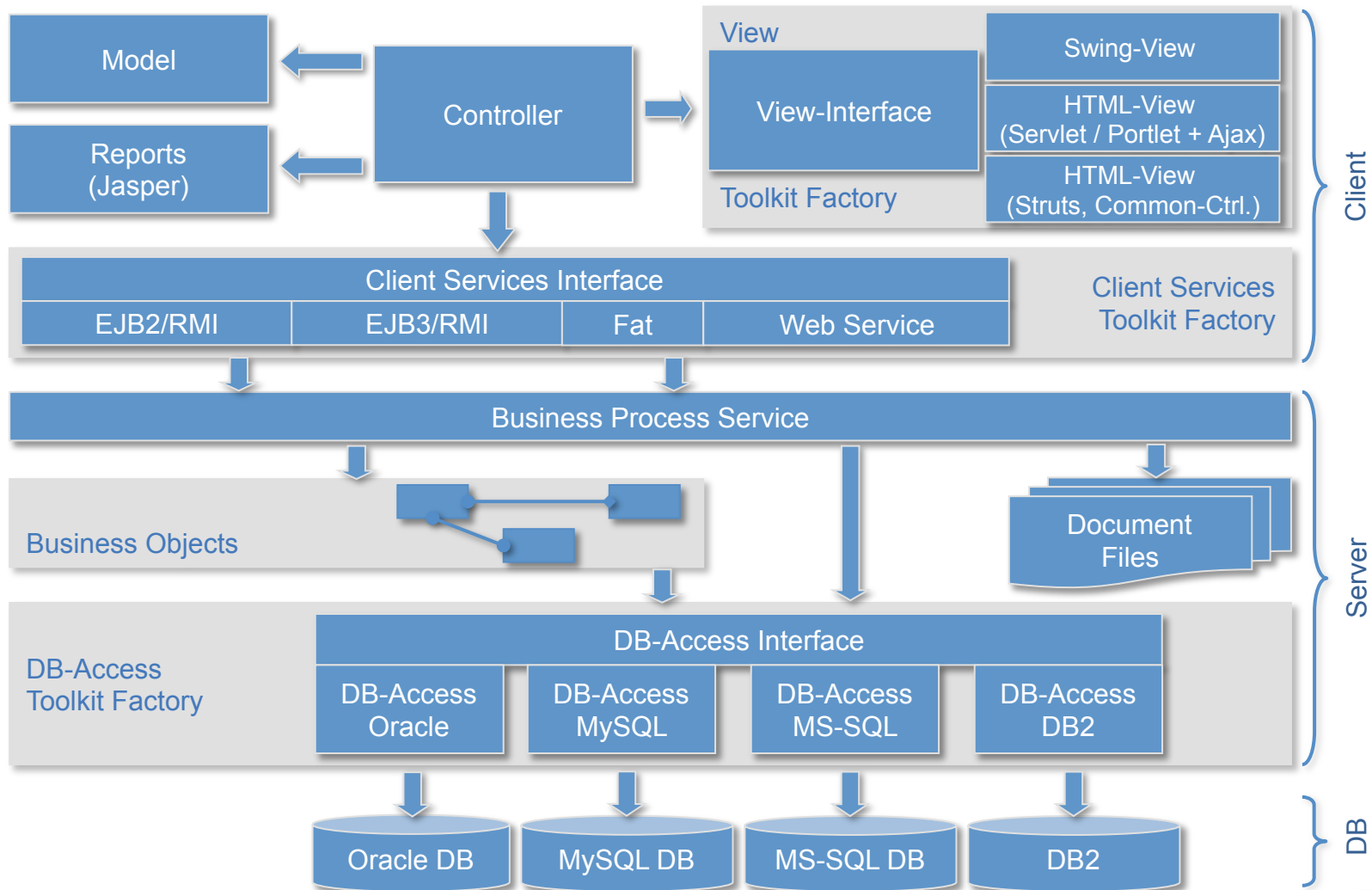
Multi Language Support

The image displays six overlapping screenshots of the e-contror software interface, illustrating its multi-language capabilities. The screenshots are arranged in a collage, showing different modules and data views in both German and Chinese.

- Top Left (German):** 'Ausschreibungsmanagement' (Tender Management) showing a list of tenders with columns for 'Ausschreibungsdatum', 'Erstellt von', 'Online Datum', 'Status', 'Ergebnis', 'Lieferanten', and 'List mit'. A table lists tenders like 'KIKSE' and 'Freigabe_Aufzeichnung 2'.
- Top Right (Chinese):** 'Gestion des appels d'offres' (Tender Management) showing a similar list of tenders in Chinese.
- Middle Left (German):** 'Lieferantenmanagement' (Supplier Management) showing a list of suppliers with columns for 'Lieferantenname', 'Erstellt von', 'Online Datum', 'Status', 'Ergebnis', 'Lieferanten', and 'List mit'. A table lists suppliers like 'KIKSE' and 'Freigabe_Aufzeichnung 2'.
- Middle Right (Chinese):** 'Gestion des fournisseurs' (Supplier Management) showing a similar list of suppliers in Chinese.
- Bottom Left (German):** 'Tender management' showing a detailed view of a tender with fields for 'Tender title', 'Online date from', 'Status', 'Supplier', and 'Product group'. A table below shows tender details.
- Bottom Right (Chinese):** '招标管理' (Tender Management) showing a detailed view of a tender in Chinese.



System Architecture



Contact us

sales@vbo-services.de

VBO-Services GmbH

Victor Bodnarescu
Geschäftsführer

Bockenheimer Landstraße 17/19
60325 Frankfurt am Main
Tel. +49 (0) 69 / 70 79 97 62
Fax. +49 (0) 69 / 70 79 97 63
Mobil +49 (0) 173 / 54 49 354
vbodnarescu@vbo-services.de
www.vbo-services.de

