

open-EIS platform

Our Java Integration Platform

Modern enterprise applications have to be able to map complex business processes and interdepartmental resources onto distributed, heterogeneous and historically grown system environments. At the same time, applications have to be flexible in a way that future customizations and extensions can be realized without a lot of expenses. By considering aspects such as scaling, high performance data, application distribution and componentization, viable and therefore more sustainable systems are developed. These enable the sharing of data and business functions across the boundaries of dissimilar applications.

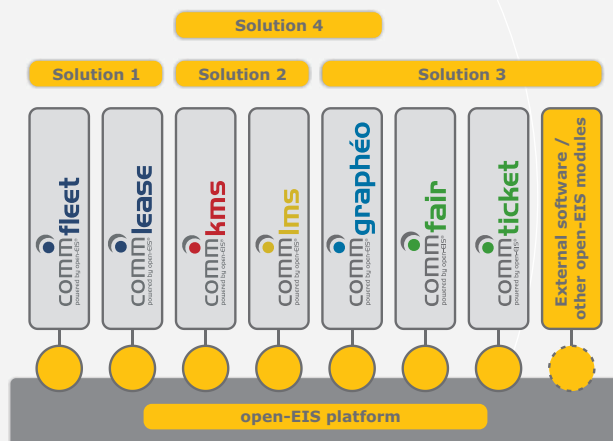
For the development of such enterprise applications a strong enterprise technology is needed as an integration platform: our platform open-EIS (Enterprise Information System).

The open-EIS platform is a complete integration solution for distributed enterprise scenarios with emphasis on the following aspects:

- Complete enterprise architecture
- Powerful SOA-support by means of our "Hermes" technology
- Modular and component-based
- Support of MDA concepts and composite models

The open-EIS platform is equipped with a flexible and powerful architecture for meeting long-term demands, as well as modular and component-based design. In addition, there is a multitude of standard business applications which can be imported into an open-EIS platform as models. Many distributed enterprise applications in the high-end area of well-known companies run on open-EIS platforms (also with connection to SAP and other third-party systems).

Sample Applications:



Benefits

- Connectivity to external systems, integration of legacy systems
- Enterprise Information System
- Flexible adaption and extension of complex business processes by integrated mechanisms
- Quick realization of model-based enterprise applications
- Uniform administration of complex business processes of distributed applications with real-time monitoring of company-wide resources

Highlights

- Data replication and interfaces to third-party systems
- Dynamic data technology
- Full-text and structured search
- Modular Driven Architecture (MDA)
- Multilingualism
- Permissions Management
- Powerful SOA-support
- Security / encryption
- System scalability and resilience

Basic Concepts

The open-EIS platform is, among other things, optimized for the development of modern, highly specialized enterprise applications for all industry sectors. It is based on the following basic concepts:

● Abstraction

The open-EIS platform is designed to support different enterprise technologies (JEE and SOA concepts) and their interaction within a distributed multi-tier system. A flexible architecture with different abstraction levels supports a multi-technology platform enabling the consistent integration of new technologies and concepts. Integrated abstractions are realized at the level of data retrieval, O/R-mapping, SOA support (Hermes), application modeling and user interface binding.

● Efficiency

The open-EIS platform supports different development approaches for a time and cost-efficient development of applications with regard to special solutions for complex business processes, integration and migration projects: the MDA approach as well as a generic composite model. In addition, the dynamic data model (open-EIS DDM) and the database abstraction layer (O/R-Mapping) support the quick prototyping of model-based enterprise applications.

● Flexibility

Integrated mechanisms within the open-EIS platform support flexible adaptations and extensions. Thanks to different abstraction levels the platform meets different demands of specific applications. It also permits the efficient development of distributed applications via BPEL and MDA support as well as the integration of legacy systems by means of reverse engineering.

● Integration

The open-EIS platform supports the uniform administration of complex business processes by a powerful service-oriented architecture (SOA with "Hermes" technology). Its functionalities are modular, component and service-based and automatically serve different service technologies. Herewith, connectivity to third-party systems and the integration or adaptation of existing systems is facilitated. The open-EIS platform can thus be utilized as central integration solution of different enterprise applications.

● Modeling

Our open-EIS platform facilitates the modeling of prototypes based on the model-driven software development cycle (MDA). Platform independent models constitute an integral component of central know-how repositories serving distributed, transaction management and workflow management systems, and represent the technical basis for a cost-efficient and robust automated development process as well as for platform independent prototypes with integrated support for model-level validation.

● Scalability

The flexible architecture of open-EIS supports different scaling scenarios, which guarantee a performing runtime for enterprise applications and meet demands for increasing specifications. Therefore, our open-EIS platform offers different cluster scenarios, SOA support as well as data coordination via replication or service technologies.

Company Details

Our core competences:

Software development

of standard products and special solutions based on our own integration platform open-EIS in the fields of Fleet Management, Trade Fair Management, Document and Content Management, Teamwork and Knowledge Management as well as Education and eLearning.

open-EIS

community4you's unique feature is an integration platform with enterprise technology, based on a service-oriented architecture (SOA) for the flexible adaptation and extension of complex business processes through integrated mechanisms.

Networks

are an important factor of success. For this reason, we work together with many partners who support our business activities with their solutions.

References

Our products are successfully deployed – amongst others – at the following known companies: Messe Frankfurt GmbH, Deutsche Messe AG, Otto GmbH & Co. KG, Commerzbank AG, Volkswagen Coaching GmbH, Deutsche Bahn AG, DEKRA.



Haendelstrasse 9
09120 Chemnitz
Germany

Tel.: 0049 371 90 94 11-0
Fax: 0049 371 90 94 11-111
info@community4you.de

www.community4you.de
www.open-eis.com