

Smallworld EIS

Enterprise Integration Services for SAP/GIS Integration and more

OVERVIEW

Benefits

- Opening up Smallworld GIS for integration in the corporate IT
- Flexible, scalable approach via standard web services
- Ideal for integration scenarios using EAI tools such as SAP Business Connector, SAP xi, IBM WebSphere, Microsoft Biztalk
- Efficient offline use as XML interface
- Easily adaptable to business processes
- Simplification and standardisation of data acquisition and management for both SAP and GIS users
- Increase in data quality and error minimisation, because information only needs to be entered once and is available immediately in both systems.
- More accurate economic evaluation of technical information due to greater transparency in business data

System requirements

Smallworld GIS, Version 4



Authorized Partner
GE Energy

Smallworld Solutions by Mettenmeier

As an Authorized Partner of GE Energy, Mettenmeier has been developing Smallworld GIS applications for over 15 years.

Every day, thousands of GIS users profit from enhanced functionality and mature solutions delivered by Mettenmeier.

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In most utility companies ERP systems (e.g. SAP) and GIS form the major building blocks for the management of enterprise data. Both systems contain crucial information in their applications (e.g. SAP IS-U, SAP PM, Smallworld NRM etc.) like consumption or asset data.

The advantages of an integration of these two systems are obvious since the spatial dimension plays an important role in many technical, strategic and business issues. For example in the service connection process or in network expansion decisions the asset data in both systems have to be accounted for simultaneously.

The requirements of such system integration can be very individual. The service-oriented approach means highly integrated systems with up-to-date and redundancy-free information. The Smallworld Enterprise Integration Services by Mettenmeier conform to this philosophy. In this way, the Smallworld data models are opened up for future-oriented integration platforms like SAP PI,

IBM WebSphere or Microsoft BizTalk and the well-known SAP Business Connector. Data transfer is performed online via standardized web services and is thus extremely scalable. The solution allows not only data exchange but also the use of system functions via web services.

The flexible architecture of Smallworld Enterprise Integration Services can also be applied for a lean offline solution. In this case data exchange is carried out on the basis of configurable XML files. An expansion of the solution towards online integration can easily be performed at any time.

A central component of Smallworld EIS is its Transaction Monitor. It monitors the entire data transfer between the systems and visualizes it. At a glance the status of the transactions is displayed in a traffic-light approach and detailed information on each transaction is made available. The objects are shown in the map and editing the objects can be activated directly from the Transaction Monitor.