

## CORE SOFTWARE

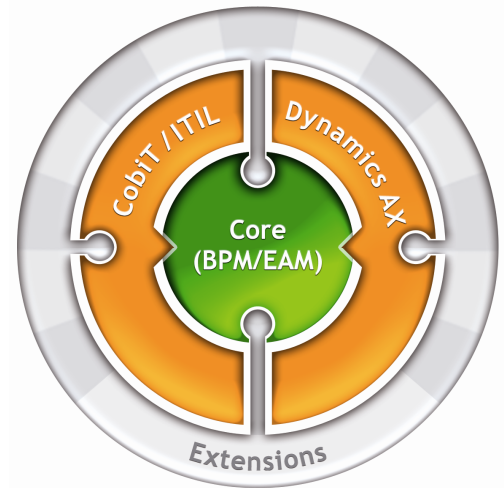
The **process4.biz Core module** is a flexible modeling tool for Business Process Management (**BPM**), Enterprise Architecture Management (**EAM**), and Strategic IT Planning (**SIP**). The tool is integrated into Microsoft Visio and works in combination with SQL databases implemented in Microsoft's SQL Server. The main tasks include modeling, analyzing, documenting, modifying, and evaluating complex organizational structures, operational processes, and corresponding IT operations.

**Templates and frameworks for process modeling** are provided corresponding to the standards of the following modeling methods:

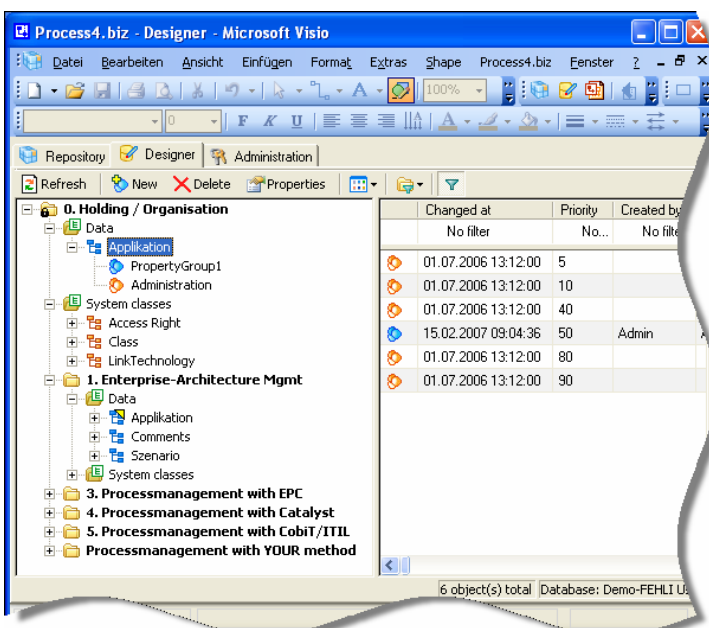
- EPC (Event Driven Process Chain)
- Catalyst (method of the company CSC)
- EAM (Enterprise Architecture Management Method)
- RACI / DEMI (also known in Quality Management as Responsibility Matrix)

Process4.biz owes its unique market position to the fact that it enables users not only to set up and implement their own process modeling methods and notations, but also to simultaneously employ different methods within one model. All diagram types and all Visio shapes are supported.

The **components of the process4.biz Core** provide three different Visio-integrated access possibilities to data and options necessary to set up data structures:



## The process4.biz Database Designer...



...offers a Microsoft Visio-integrated access point to the data structures of all models stored in a database. The **data structure of the models** is allocated, defined, modified, and administrated in the shape of a hierarchical directory structure in the SQL Server. Data categories ("classes"), attributes and attribute groups for the description of business objects and processes, and the dependency relationships connecting them can be defined by means of process4.biz functions integrated in Visio. A further specification of the above-mentioned connections between business objects and processes is provided by sophisticated **linking rules** (e.g. direct and indirect, swimming lane or XY-axis type of connections). These manifold relationships between business objects and processes (positions, roles, locations, IT systems etc.) are recorded

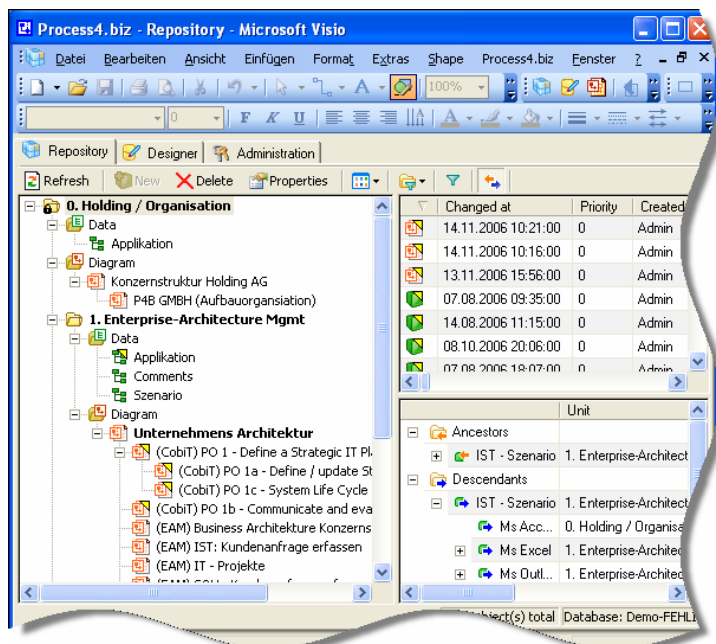
relationships between business objects and processes (positions, roles, locations, IT systems etc.) are recorded

and saved in the database while they are being defined during the modeling process. The connections themselves may be complemented by attributes and are subject to link direction assignment.

Rules governing the **reusability of objects** on different levels (=units) of the hierarchical data structure can also be defined in this component of the Core module. Thanks to reusability, the smallest common denominator within a model, valid for the company as a whole, can be set up and defined globally on the top level of the hierarchy corresponding to the highest level of organization, e.g. to a holding. This common component may then be refined on the deeper levels of the hierarchical structure (e.g. on those corresponding to a company division).

The Database Designer also enables users to set up a comprehensive **authentication and access control system** including different user types, and to configure the **Approval Management System** for objects and diagrams. Obligatory fields to be filled in by users are also to be specified in this component. Working with the Database Designer does not interfere with other persons simultaneously using one or both of the other components (Database and Graphical Visio Modeler).

### The process4.biz Database („repository“)...



...has its own Visio-integrated process4.biz access to data and diagrams in the database. This component **presents** data (i.e. objects and diagrams belonging to a model) arranged in a table. A navigation tree and intuitively usable filter functions provide comfortable means to survey the data. An Object Explorer is available to view parent and child relationships between interdependent objects. Supplementary data relating to owner and date of creation or modification of an object is automatically recorded.

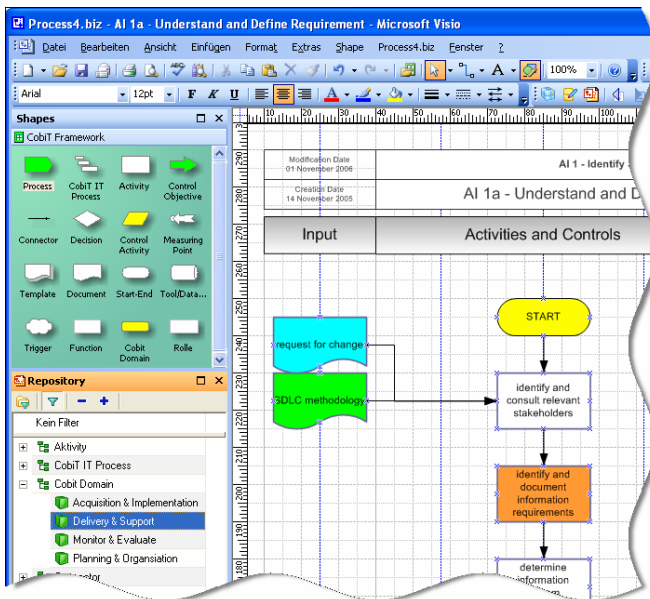
Data structures created in Database Designer (units, classes, attributes, and attribute groups) can be further specified in this component by **assigning**

**parameters** containing descriptive data and values. Fileserver documents and websites may also be attached by placing a link to them. The database itself is based on the Microsoft SQL Server 2000 and operates in multi-user mode: more than one user may access and change the same model simultaneously. Data objects only need to be set up once, even if they are to be used on several levels of the hierarchical data structure, because they can be **reused** on diagrams situated on different levels of the hierarchy as many times as necessary. In case of a modified object, the changes are passed on to all diagrams that contain the object, keeping the central knowledge database of the company **redundancy-free**.

Process4.biz is a **multilingual** tool that can incorporate descriptions and parameters of business objects and processes in as many languages as necessary. Graphical elements (shapes) on diagrams may be presented in any language chosen by the user.

Copy and Paste, Move and some other **Microsoft Office functions** are operational between different levels of the hierarchical data structures relating to one model as well as, for example, between different databases as represented by two simultaneously active Visio instances.

**The process4.biz Graphical Visio Modeler...**



...is based on Microsoft Visio technology and uses its original graphical user interface. Additional context-sensitive process4.biz user menus complement familiar Visio functions.

When modeling by **drag & drop**, newly created or modified data is immediately recorded in the database, and data to be reused can also be obtained from the repository in this manner. Business object data represented by Visio shapes, including manifold dependency relationships between them, are recorded in the database automatically. This **automatic procedure to record dependencies** is defined by means of linking rules in the Database Designer component of the software. Owing to this highly abstract way of representing

structures and processes, a handful of objects may suffice for a diagram to display most complex company structures including manifold dependencies among the data objects. These complex dependency structures recorded by the process4.biz software can be retrieved any time.

Modeling is made easy by a couple of helpful features. Smart-tags assist users to keep control of diagrams and their mutual dependencies when navigating. There is a do and undo feature and a renumbering feature for objects and diagrams. "Intelligent" shapes change their visible appearance depending on the values they had been set up with. The process4.biz software is an easy-to-use but very powerful tool.

Process4.biz is a perfect solution for **IT-Governance projects** referring to CobiT (Control Objectives for Information and related Technologies) and ITIL (IT Infrastructure Library) standards, and also for the (re)documentation of **Dynamics AX projects** by means of our process4.biz Dynamics AX reference models.

Ready-made templates and reference models corresponding to CobiT/ITIL and Dynamics AX standards are optionally available as additional modules containing thousands of objects and hundreds of diagrams. These two additional modules (**process4.biz CobiT/ITIL** and **process4.biz Dynamics AX**) are subject to fees. They can be used as delivered or may be changed according to your needs. Users are free to choose whether to employ the methods as-is or to create and implement their own methods. Offering modeling alternatives but not imposing any one of them on the user is a unique feature of our software.

More detailed information on the above additional modules and also on the process4.biz Extensions is available on our website: <http://www.process4.biz>.