

## Horus Business Modeler

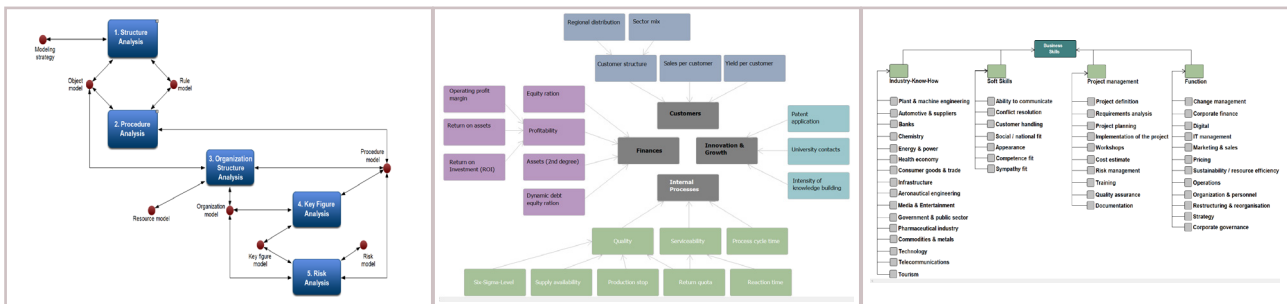
**Modeling and Simulation of Business Processes for the Professional Business User**

### Social BPM – Collaborative process creation for the entire business community

Horus Business Modeler is the first professional Social BPM (Social Business Process Management) tool to model, simulate and analyze business processes in a modern networked business community. The tool covers the entire life cycle of a business process, from the initial idea through the design to the use and maintenance of the process.

The members of the business community have access to Horus tools in Web 2.0-based networks. They can simulate, model and analyze business processes, and exchange, check and discuss the models together.

Modeling with Horus Business Modeler means modeling „with a method“. With this thorough approach, business processes are considered from different perspectives. The method describes several phases and leads the way from the first project idea down to the finished business process model. The tool enforces the method where necessary but it also leaves enough latitude so that a business process expert can work comfortably.



## Core Elements of Process Modeling

### Procedure modeling – Process creation and management

With the Horus Business Modeler, processes are introduced by means of procedure models with activities and object flows.

Business processes are divided into the single necessary steps (activities) and refined on different hierarchical levels. The prerequisites, necessary to perform an activity and the results of their performance are shown in object stores.

By assigning key figures, resources, roles, business rules, risks, measures, documents, and object models, the procedure models can be augmented to a comprehensive business model.

### Object modeling – Handling structured business objects

In order to get a full view of all the relevant aspects of a business process, it is necessary to define not only the procedures but also the business object structures. This may be in the form of documents, data objects, text messages but also tangible goods like products or raw materials.

Business objects are described by their attributes and their relationships to other business objects. They are generally complex and are formed by combining several objects and their relations with a so-called aggregate.

In a comprehensive business process model, the business objects from the object model are linked with the respective object store in the procedure model. Through this relationship, object instances which give sample values for all object attributes can also be defined.

A typical application for such object instances is the creation of test cases. This enables the demonstration of test steps with respective inputs and outputs in procedure models and the display of test objects in object models. In

object instances, the test data are then defined. Based on this test data and the predefined test sequences, the tests are carried out in the real system, and the actual results are compared with the target output.

### Process analyses and simulation

Dynamic simulations and reports with Horus Business Modeler offer the opportunity to identify and eliminate bottlenecks and weaknesses as early as in the planning phase. Decisions regarding process outsourcing, staffing, investments or process changes can be made based on in-depth simulation studies.

### Organization modeling – From business units to employees

Organization modeling covers all phases of the Horus Method. This way, the strategic business units are defined first, then subdivided into specific organizational units (departments). For a detailed presentation of individual organizational units, a refinement principle similar to procedure modeling is used.

Without the organization modeling, the business process analysis is not complete. Processes consist of activities that are performed by human (employee or business partner) or technical (computers or services) resources. Human resources are represented in the form of roles, which, in turn, are carried out by specific employees. Roles and resources are assigned to organizational units.

All information necessary for the simulation is defined through the assignment of activities, resources and roles. These are e.g. execution times and costs of activities, availability profiles and the utilization of roles and resources, as well as the amount of existing employees.

By assigning all activities to a role, a job profile is created and can be used to generate role-specific job descriptions.

## Holistic Process Modeling

### Model types overview

In addition to the core elements of process modeling, other models can be created, graphically visualized and

set in relation to each other to allow a comprehensive process modeling. The Horus Business Modeler includes:

Context models
Supply & Services models
Objective models
SWOT models
Strategy models
Key figure models
Risk models
Process architecture models
System architecture models
Object models

Policies
Business Rules
Procedure models
Business unit models
Organization models
Resource models
Roles
Skills
Employees
Controls

## Functionalities for Corporate Use

### Knowledge management

Horus Business Modeler is suitable for knowledge management in both business and private life. Thanks to the central repository concept, the tool provides flexible modeling options: models are either stored in a local or shared in an Oracle®-based repository. Within a repository, the models are compiled in the form of workspaces.

### Flexible analyses

Thanks to the freely configured reporting environment of the Horus Business Modeler, all reports can be created in Word format and adapted individually to customer-specific requirements. In doing so, project manuals or job descriptions based on current workspace contents can be created at the push of a button.

### Security concept

A security policy is also implemented in the server solution. For every repository, users and user groups are defined by their access rights to different workspaces. Modern technologies enable global access to the repository.

## Functionalities

### Multilingualism

For international companies, both tool and content can be easily made available in local languages. The usual adjusting of each language-specific model in the event of changes is eliminated because single processes, object or organization models are maintained in multiple languages. The translation process is facilitated by the multi-processing translation dialog with an integrated automatic translator.

### Document management

Horus models become valuable reference works by adding additional information. To each element defined in the Horus Business Modeler, one or several descriptive documents (e.g. files, pictures, tables, URLs, etc.) can be assigned: check lists, instructions, brochures, manuals, and much more.

### Glossary

Business processes are often complex and usually run through several divisions, involving employees from different departments. To promote a general understanding of processes, the key terms used in the models can be defined clearly and extensively for everyone involved. These terms are recorded once in glossaries, if needed in multiple languages, and made available to the process participants.

### Adaptable model templates

A high reusability of models is achieved by separating content and layout. By using the freely configurable workspace templates, all models of a workspace can be created in a custom layout. Custom layouts and images can be shown for both model elements and for all models.

## System Requirements

The Horus repository can either be hosted in the cloud or on premise. Following system requirements apply to on premise:

### Server platform

Linux or Windows Server, supported by Oracle. The server size depends on the number of users.

### Database

- Oracle Database 12c
- including UTF-8 Characterset
- Express Edition (XE) of the Oracle database possible

### Client platform

Min. Dual-Core-Processor (x86 or x64) 1 Ghz per core, with Windows 7 or newer, min. 2 GB RAM, min. 1 GB available hard drive memory. Bandwidth of the database connection at least 6 mbit/s download and 1 mbit/s upload. For creation of process manuals Microsoft Word 2007 or higher.

### Licensing

Named Users (at least 5)

### Horus Alliance

Horus Alliance Partner on the Web:  
[www.horus.biz/en/partner](http://www.horus.biz/en/partner)

### Note

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