

Modeling the business is an essential first step for any business or government entity which is planning to acquire, or which is developing, an information system. Working closely with customer's business experts, **Hendryx & Associates** builds formal business models that are *platform-independent*.

With **Model-Based Business Engineering™ (MBBE™)** automation, these models can rapidly be turned into systems. **MBBE™** captures and defines business rules and requirements for on-line transaction processing systems, and automates creation of the database and business rules server. With **MBBE™**, the business rules and requirements are independent of technical details of the system implementation. **MBBE™** is a means of automating a large part of the system development directly from the models.

MBBE™ business models provide two main advantages:

- 1) The *business rules, business data definitions, and business processes* are captured very efficiently in *reusable MBBE™ business model* repositories.

MBBE™ business models are reusable with alternative implementing technologies. **MBBE™ business models** can outlast the latest technology, so they do not become obsolete when a different technology appears. Future changes to the business can be captured by changing the **MBBE™ business models** as the business evolves. Capturing the business model in **MBBE™** keeps the focus on the business, without the distractions of technology during the business analysis phase. Capturing the business model with **MBBE™** is a critical initial step in developing custom business systems or selecting system packages for individualized, competitive businesses.

- 2) Project *risk, cost, and time to deployment* are significantly reduced.

The formal representation of the business in **MBBE™ business model** repositories can support high levels of automation in creating systems. **Hendryx & Associates' MBBE™** enables a true iterative development process with supported implementation technologies, automating the creation of a very high percentage (greater than 99% in many cases) of the database and business logic code. With **MBBE™**, popular implementation technologies from IBM, BEA, Sun, HP, Versata and other leading vendors are leveraged, *together with customer's legacy systems and package applications*, to produce high quality, highly customized, integrated, distributed systems in support of our customer's most competitive business models. When creation of the code is highly automated with iterative development from the **MBBE™ business models**, it is possible to validate and modify the **MBBE™ business model** with a running system prototype *during development*, thereby greatly reducing project *risk, cost, and time to deployment*, and resulting in a more robust, more highly refined business system.

Model-Based Business Engineering™ epitomizes the OMG's Model Driven Architecture™. In the spirit of MDA, **MBBE™** will provide what may be the fastest, most cost-effective way to manage project risk and get system development and integration projects into production with a robust design that has been refined through multiple iterations of the model-generation cycle.