



## **BoldSoft® aligned with the OMG MDA™**

BoldSoft offers the tools Bold for Delphi, Bold for C++ and ModelRun, tools for building model-driven applications---tools that are in line with the OMG MDA initiative, and, in particular, work on the MDA idea of platform independent models.

Bold for Delphi/Bold for C++ allows the developer to capture business domain objects in implementation-detail free UML models. The tools incorporate a UML execution engine, which supports, among other things, constraint validation, derived attributes and associations, and a live, run-time OCL interpreter. This enables the developer to realize the model in Borland's Delphi/C++Builder environments.

ModelRun, a model simulation tool built on the same technology as Bold for Delphi/Bold for C++, lets developers test their models in an instant prototype, before proceeding to code.

### **About Bold for Delphi/Bold for C++**

Bold for Delphi/Bold for C++ comes with a rich set of application architecture choices; distributed as well as client/server architectures, fat clients or thin clients, web servers or web clients, and in-between layers communication via a range of protocols such as HTTP, XML/SOAP, COM, and native.

The development environment, Delphi/C++Builder from Borland becomes model-driven, using an object model designed in the included Bold UML editor, accessed through the bi-directional link to Rational Software's design tool Rational Rose, or through an XML Metadata Interchange (XMI) link to all major design tools on the market. The design model is used in design-time to drive and simplify development, for example by automatically generating the database schema.

The run-time application platform handles object transactions, caches objects for increased performance, handles object-relational persistence mapping, and so on. Model-aware GUI controls use the design model to provide run-time features such as dynamically created forms, validation and automatic drag-and-drop. The design aim has been to hide complexity and simplify business domain object development, preserving developer creativity.