



## **b+m ArchitectureWare®**

The b+m ArchitectureWare product line, consisting of well-integrated individual products, combines Model Driven Architecture (MDA™) with field-tested architecture components.

## **b+m Generator FrameWork®**

The b+m Generator FrameWork from b+m Informatik AG is an open next-generation OMG MDA conform tool. Transformations from or between platform-independent models (PIM), platform-specific models (PSM) and application source code can be freely defined. The tool is metamodel-based and can work with any UML™ profile. The transformations are formulated with the aid of a template language specially designed and optimized for this purpose. This enables navigation and access to the respective metamodel. The metamodel is coded in Java™ so that full expressive power is available for the transformation. Protected regions can be defined in the generated code through the template language. The software developers can fill out and change these protected regions within the generated code. So they only have to add or modify the business logic. The contents are maintained with iterative generation.

b+m Generator FrameWork software development does not mean the creation of individual applications (one-offs). Instead software development is oriented towards application families (groups of applications with common architectural concepts). Reusing architecture patterns project-wide achieves considerable cost reduction in later projects with simultaneous improvement in software quality and maintenance.

### **At a glance:**

- Any target architecture and language can be supported
  - Any UML™ profile and metamodel can be processed
  - Any XML-based modeling tool and all UML diagram types are supported. Open for UML 2.0
  - Protected regions for business logic can be defined. The contents are maintained with iterative generation
  - Expressive oo template language without syntactic burden for expansion control
  - Any utilities can be implemented in Java at the metamodel and used directly within the templates
  - Completely implemented in Java
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## **b+m Architecture Gens**

Reusable generative components for common aspects in J2EE™ architectures. Based on b+m Generator FrameWork

## **b+m Test FrameWork**

Generates unit tests and supports the integration of external test data and their automatic variation

## **b+m Flow Controller®**

The architecture of b+m Flow Controller is a universal programming model for consistent and clear separation of process layer, presentation layer and business logic. This reduces the complexity of the application architecture. The interpretable process descriptions can be generated according to MDA from platform-independent UML activity diagrams. The runtime component b+m Flow Controller is seamlessly embedded this way into the MDA approach.

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## **Further information?**

Download:

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