



SYSTEM, COMPONENT AND INFORMATION DESIGN

MEGA Designer is a fully featured modeling environment for today's system design – service architecture, information architecture and object component architecture – using UML-based standard modeling languages.

Systems architects use **MEGA Designer** for the analysis and design of information systems. From business requirement capture to application design to code generation, **MEGA Designer** maintains the consistency and traceability that is vital for

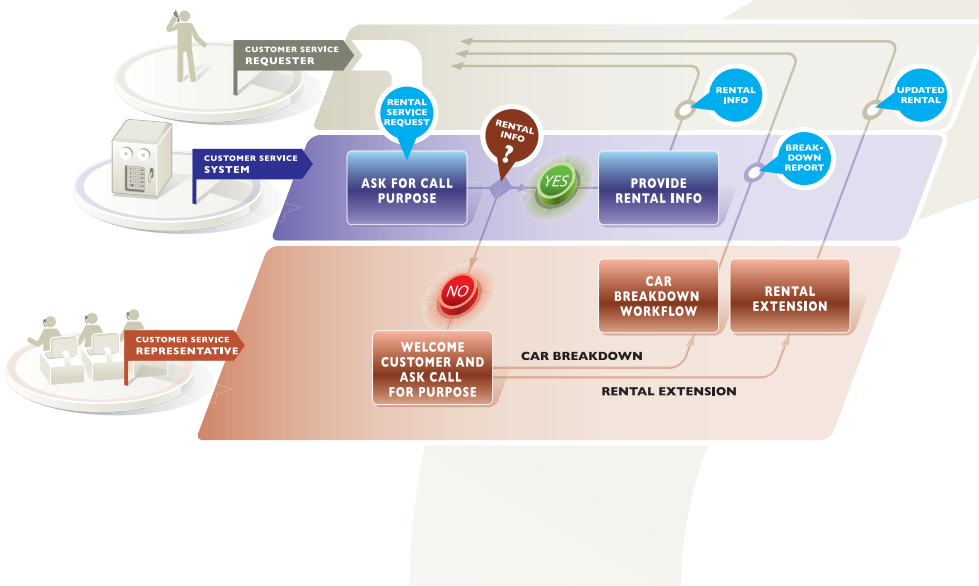
any large organization.

Furthermore, **MEGA Designer** contains enhanced import/export and generation tools, for ease of data exchange.

Combined with **MEGA Process** and **MEGA Architecture**, **MEGA Designer** assures alignment of the business-, application- and service-oriented perspectives of the overall Enterprise Architecture.

With **MEGA Designer**, you can:

- > **Create and manage system, information and component specifications** with graphical, easy-to-use diagramming tools and a guided approach.
- > **Store the components in an enterprise repository** for reuse in other projects, such as alignment with your business process description.
- > **Expedite systems implementation and facilitate use of best practices** by communicating with web portals and documents, in as many languages as needed.
- > **Implement a complete cycle of business process management**, from business process identification and analysis with **MEGA Process** to the design and export of system workflows with **MEGA Designer**.



*Analysis & Design Tools and Methodologies are key factors in developing flexible IT systems that are in alignment with business objectives and requirements. **MEGA Designer** is the modeling-based solution of choice to produce architecture for the development of responsive, adaptive new applications and to control and manage enterprise data assets.*

FEATURES ▶

SERVICE ARCHITECTURE

SYSTEM DESIGN

- Application Packages and Sub-Applications
- Application Services
- Information Flows and Service Interfaces:
 - Simple Flows
 - Event Synchronization
 - Collaboration Protocols

EAI MODELING

- Broker Diagram: Communication between Applications, Services, Databases, Partners and Internal Org-Units
- Service Implementation: Connectors, Object Components, Automated Workflows, Databases

WORKFLOW & PROCESS AUTOMATION

- Task and Control Flow, Workflow Data and Variables, Resource Allocation Design, Communication Messages
- Workflow Animation
- IBM WebSphere Integration Developer (WID) interface
- Interface with workflow tools using BPEL

USER INTERFACE MODELING

- Available for Application Services and Workflow Tasks
- User Interface Logical Design: Layout and Decomposition, User Interface Events
- User interface implementation: Class and Operation

GENERATION SERVICES

- Neutral and Language Specific Data Types
- BPEL Generation
- XML Schema Generation and Reverse Engineering
- XMI Generation and Reverse Engineering
- Rational Rose MDL generation and Reverse Engineering
- Visual Studio Integration
- Synchronization with Version Management Tools through SCCI
- Open Generation Toolkit

ENTERPRISE ARCHITECTURE

(with MEGA Process and MEGA Architecture)

- Use Case City Planning
- Data Model City Planning
- Application and Service City Planning

STANDARD COMPLIANCY

- Full UML Support
 - Package, Class, State
 - Use Case, Sequence, State, Activity, Component
 - Deployment, Dependency
- Compliant with OMG's Common Warehouse Metamodel (CWM)

MEGA Designer also includes features to support Database Design, such as:

- Data Modeling (Database design diagrams and metamodel)
- Database Modeling (Relational diagrams and metamodel)
- SQL Generation & Reverse Engineering
- Consistency Rules
- Database Alignment and Interoperability

*For more details, see the
MEGA Designer – Database Datasheet*

