

# MEGA Architecture™

## Datasheet

**MEGA Architecture** delivers CIOs and IT Managers the reference maps they need to bring their IT Systems under control and govern their quality and evolution.

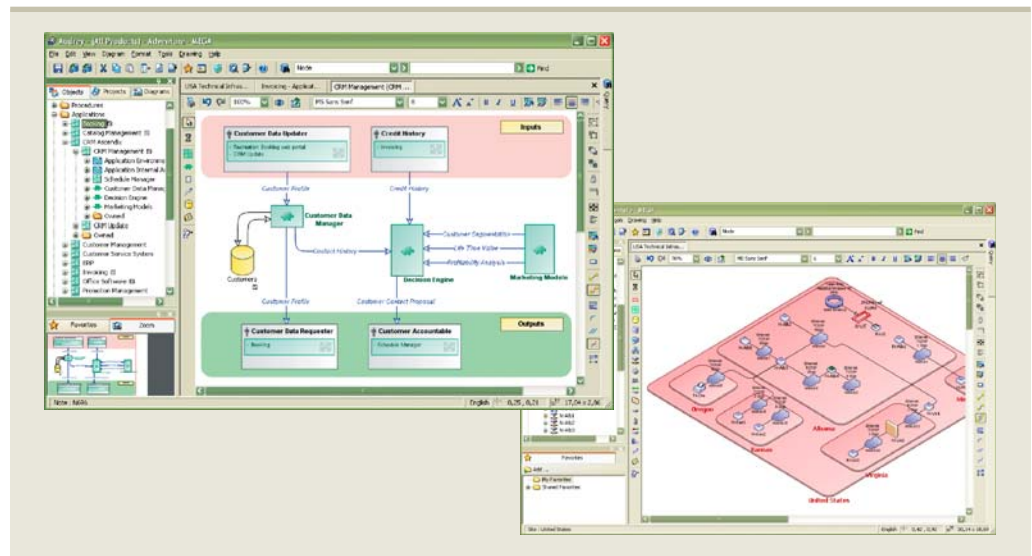
CIOs, IT Directors and Enterprise Architects can validate IT investments and minimize development costs while increasing the quality of services delivered to the business.

## ARCHITECTING IT SYSTEMS FOR EFFICIENT IT GOVERNANCE

With **MEGA Architecture**, IT Architects and IT Managers define reference frameworks for their enterprise IT systems. **MEGA Architecture** is laid on the principles of Service Oriented Architecture and connects the different perspectives of IT System analysis together: Functionalities to be provided, Applications and their Dependencies, IT Services, Infrastructures and IT City Planning. Using this information CIOs can effectively manage IT system changes, define new development or maintenance plans, and seek for continuous improvement of service management and quality of services delivered to business units.

In conjunction with other MEGA Suite products — **MEGA Process** and **MEGA Designer** — **MEGA Architecture** combines IT systems analysis with enterprise data analysis and business process analysis. The MEGA Repository becomes the Enterprise Architecture reference, supporting all IT and Enterprise governance activities.

MEGA's powerful repository provides IT architects with a flexible and consistent repository of architecture models and descriptions. **MEGA Architecture** publishing services automatically transform repository information into an effective portal for IT governance. IT Managers and users benefit from a shared and easy-to-use web portal as well as custom documentation adapted to their profile and requirements.



## MEGA Architecture — FEATURE LIST

### SYSTEM REQUIREMENTS

#### MEGA Architecture

runs on:

- Windows 2000 SP3 or higher / Windows XP Professional SP1 or higher
- MS Word 2000, MS Word 2003, or MS Office XP
- An Internet browser

### APPLICATION ARCHITECTURE

#### Application Tree

- > Application break-down into elementary services

#### Application Architecture

- > Information Exchanges between Application, Service, Database and Org-Unit
  - Information flows
  - Publish-Subscribe Events
  - Collaboration protocols
- > Application geographic location: site

#### Collaboration between Systems and Partners

- > Collaboration protocols
- > Collaborative processes

#### Information Flow Modeling

- > Cross analysis between information exchange and information content
- > Information content library (data)
- > Content structure description: schema (with MEGA Designer)

#### IT System Business Modeling

(with MEGA Process)

- > Cross analysis between IT System Components and Business Functions
- > Business Process Application Architecture Diagram
- > Cross analysis between Applications, Services and Business Operations, Activities

#### System Data Modeling

(with MEGA Business Data)

- > Application Data Models
- > Service Data Models
- > Reusable Sub Data Models

### TECHNICAL INFRASTRUCTURE

- > Geographical site maps
- > Technical Infrastructure Models
  - Workstations
  - Servers
  - Network, Firewall and Routers
  - Printers
- > Application deployment to technical and geographical architecture
- > 3D graphical representation

### IT CITY PLANNING

- > IT City Plan: break-down into Area, Districts, Blocks
- > Application City Planning:
  - Grouping Application, Services and Databases into Areas, Districts, Blocks
- > Data City planning:
  - Grouping Databases into Areas, Districts, Blocks
  - Data Channels between Areas
  - Data Models of City Planning Areas (with MEGA Business Data)
- > Impact analysis across multiple IT City Plans

### RISK ANALYSIS

(with MEGA Risk Analysis)

- > Risk families depending on industry segments
- > Risk types: business or system
- > Risk Control and Remediation:
  - Preventive Control Procedures
  - Remedial Control Procedures
- > Risk qualification: type, significance, probability, indicators, scope, dashboards
- > Basel II compliance
- > SOX compliance

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