

WINTERGREEN RESEARCH, INC.

## **Analysis, Modeling, and Design Tools Software Market Strategies and Forecasts, 2001-2006**



***OPPORTUNITY ABOUNDS***

**WinterGreen Research, Inc.**

**Lexington, Massachusetts**

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ANALYSIS, MODELING, AND DESIGN TOOLS  
SOFTWARE MARKETS POSITION TO PARTICIPATE IN  
HIGH GROWTH  
COMPUTER CONSUMER SEGMENTS  
MARKET STRATEGIES  
FORECASTS TO 2006

AMD tools support methodologies that enhance developer efforts to implement business process management. Modeling tools are used to define, model, and develop business processes. Applications relate to the ability to manage information in an electronic form.

AMD is used to increase productivity at every level of an enterprise organization. Tools can be applied at various steps of the development cycle. Productivity increases range from business logic design to complete application development.

Analysis, modeling, and design (AMD) tools support formalized modeling and business rules methodologies that assist in generating application requirements, data definitions, and programming specifications.

AMD tools are used to implement software development of applications in a team environment. Tools support development efforts based on data analysis and design of strategic goals.

Configuration and change management products unify software teams by providing comprehensive support for development teams working in parallel on shared project artifacts, such as source code, binary files, software models, requirements documents, test cases, and project reports.

Java development covers the complete application product development life cycle. Java is a relatively new language. Development environments are beginning to catch up with traditional client/server tools in terms of completeness and richness. Initially a Java IDE has a visual editor, a code editor, a compiler, a debugger, and some wizards.

A software developer launches a Java AMD software tool, checks out an application from the source control system, and starts the development cycle. UML modelers help the developer with the design of the application and generation of source code. Java developers provide wizards and editors, both visual and code centric.

The design is positioned to add functionality. Various tools are there to compile, test, debug, and tune the application. The developer can check the application back into the source control system and, after sufficient testing, deploy it to its final destination.

**AMD markets are poised for significant growth. When a market participant emerges with easy to use, end-to-end AMD solutions that work, broad acceptance is predicted. Markets at \$452 million in 2000 are expected to reach \$1.2 billion by 2006. The 2001/ 2002 recessionary market environment will slow, but not stop growth of these markets that change forever the systems for design and implementation of software.**

**Object modeling AMD tools are generally considered difficult to use by working programmers. They are expected to grow to \$789.6 million by 2006 because some tools are better than no tools in a lot of cases. Indeed, the object tools are expected to keep improving and therefore be more useful by the end of the forecast period.**

**Vendors that develop a broad combined data modeling, object modeling, and repository AMD tool will contribute to growth of this market segment. Data modeling is expected to become the basis of robust AMD tools offerings. Data modeling is positioned to solve integration issues that evolve in application sharing across the network.**

**AMD repository markets at \$27.2 million in 2000 are expected to reach \$168 million by 2006.**

## **Companies Profiled**

**Aonix  
Computer Associates  
Cyrano  
Dirig Software  
Embarcadero Technologies  
Oracle  
Popkin Software  
Rational Software  
Segue  
Sybase**

## Telelogic TogetherSoft

### REPORT METHODOLOGY

THIS IS THE ONE-HUNDREDTH REPORT IN A SERIES OF MARKET RESEARCH REPORTS THAT PROVIDE FORECASTS IN COMMUNICATIONS, TELECOMMUNICATIONS, THE INTERNET, COMPUTER, SOFTWARE, AND TELEPHONE EQUIPMENT. THE PROJECT LEADERS TAKE DIRECT RESPONSIBILITY FOR WRITING AND PREPARING EACH REPORT. THEY HAVE SIGNIFICANT EXPERIENCE PREPARING INDUSTRY STUDIES. FORECASTS ARE BASED ON PRIMARY RESEARCH AND PROPRIETARY DATA BASES. FORECASTS REFLECT ANALYSIS OF THE MARKET TRENDS IN THE SEGMENT AND RELATED SEGMENTS. UNIT AND DOLLAR SHIPMENTS ARE ANALYZED THROUGH CONSIDERATION OF DOLLAR VOLUME OF EACH MARKET PARTICIPATION IN THE SEGMENT. MARKET SHARE ANALYSIS INCLUDES CONVERSATIONS WITH KEY CUSTOMERS OF PRODUCTS, INDUSTRY SEGMENT LEADERS, MARKETING DIRECTORS, DISTRIBUTORS, LEADING MARKET PARTICIPANTS, AND COMPANIES SEEKING TO DEVELOP MEASURABLE MARKET SHARE. OVER 200 IN DEPTH INTERVIEWS ARE CONDUCTED FOR EACH REPORT WITH A BROAD RANGE OF KEY PARTICIPANTS AND OPINION LEADERS IN THE MARKET SEGMENT.

### **AMD TOOLS ARE CENTRAL TO THE IMPLEMENTATION OF A REFINED BUSINESS MANAGEMENT PROCESS**

### **YOU MUST HAVE THIS STUDY**

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### **ABOUT THE COMPANY**

**WINTERGREEN RESEARCH**, FOUNDED IN 1985, PROVIDES STRATEGIC MARKET ASSESSMENTS IN TELECOMMUNICATIONS, COMMUNICATIONS EQUIPMENT, HEALTH CARE, AND ADVANCED COMPUTER TECHNOLOGY. INDUSTRY REPORTS FOCUS ON OPPORTUNITIES THAT WILL EXPAND EXISTING MARKETS OR DEVELOP MAJOR NEW MARKETS. THE REPORTS ASSESS NEW PRODUCT AND SERVICE POSITIONING STRATEGIES, NEW AND EVOLVING TECHNOLOGIES, AND TECHNOLOGICAL IMPACT ON PRODUCTS, SERVICES, AND MARKETS. MARKET SHARES ARE PROVIDED. LEADING MARKET PARTICIPANTS ARE PROFILED, AND THEIR MARKETING STRATEGIES, ACQUISITIONS, AND STRATEGIC ALLIANCES ARE DISCUSSED. THE PRINCIPALS OF WINTERGREEN RESEARCH HAVE BEEN INVOLVED IN ANALYSIS AND FORECASTING OF INTERNATIONAL BUSINESS OPPORTUNITIES IN TELECOMMUNICATIONS AND ADVANCED COMPUTER TECHNOLOGY MARKETS FOR OVER 30 YEARS.

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