



Wien – June 17-20, 2002

Gerd Sauermann, Rational Software
Germany

Agenda

- ◆ About Rational
- ◆ Rational Apex Ada-Environment
- ◆ Automated Testing – Rational Test Realtime



Rational Software

- ◆ One of the world's largest, most profitable software engineering companies
 - Founded in 1981
 - \$700 million in FY02
 - 3,700 employees worldwide
 - 65 offices around the world
- ◆ Thought-Leader in the Software Engineering Market
 - Unified Modeling Language (UML)
 - Rational Unified Process (RUP)

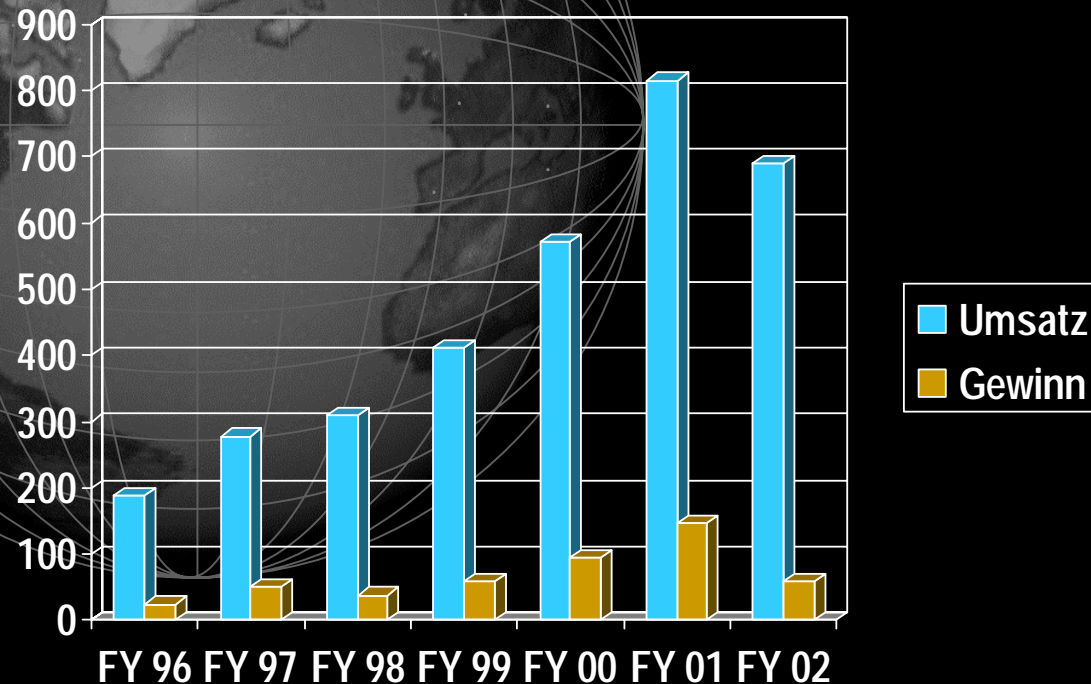


Rational Software

◆ Market Leader

- Modeling Technology (Rose / XDE)
- Configuration- / Change-Management (ClearCase , ClearQuest)

◆ Stable company

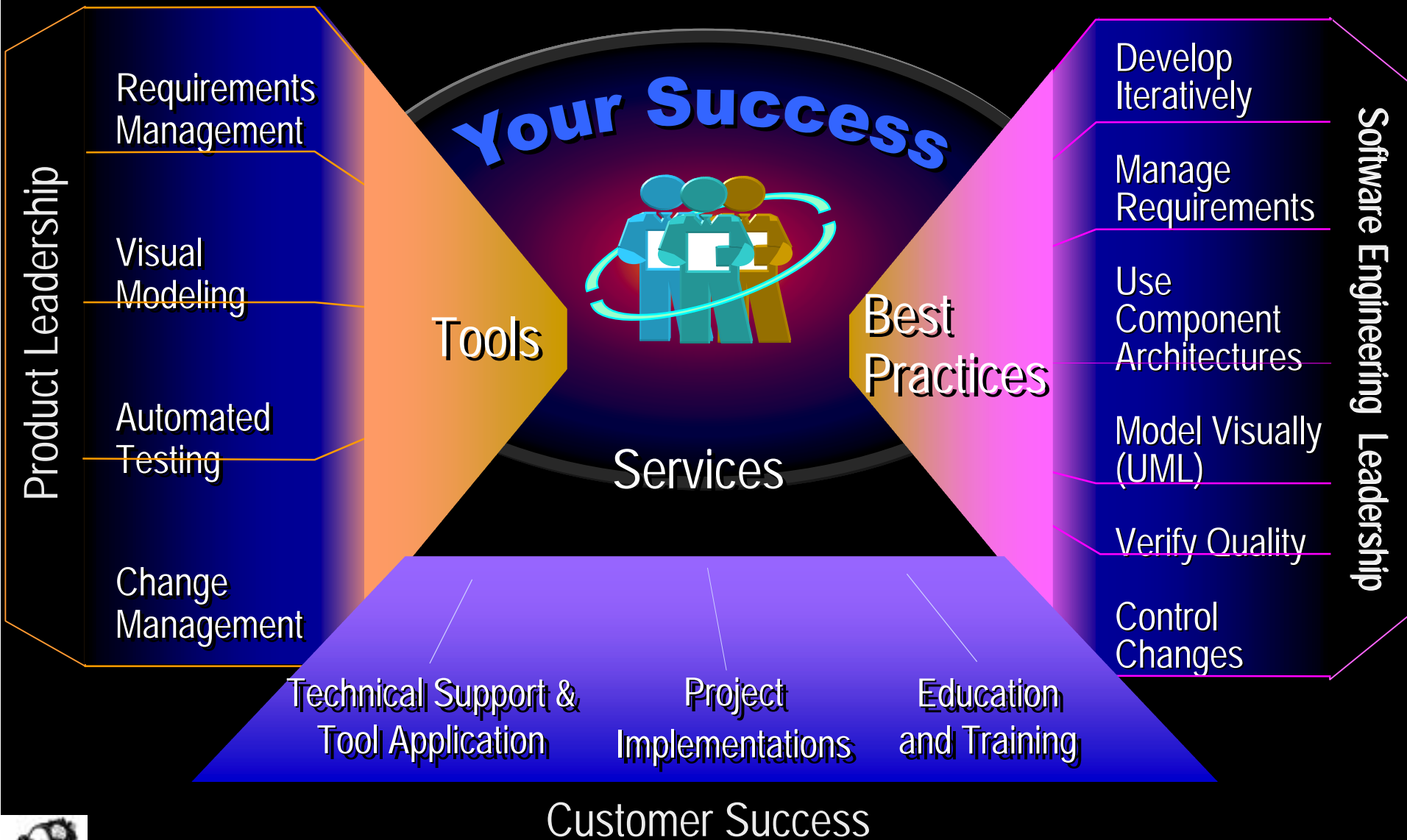


Rational's Consistent Mission

*Ensure the success of customers
who depend on their ability
to develop or deploy software*



Full Lifecycle Team Oriented Software Engineering



Rational's Mission

- ◆ Improve our customer's Development Process
- ◆ Support Teamwork
- ◆ Improve automation – using well integrated tools



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**Rational APEX –
the only certified
Ada Compiler**

Rational as Ada-Company

- ◆ Proven, scalable Ada technology
- ◆ Rational's Senior VP John Lambert: „Apex is a key element in our overall set of solutions for software professionals and we continue to invest in the development and enhancement of our Ada products.“
- ◆ ACATS Certification
 - **Only Rational has has a formally witnessed certification**
- ◆ Ada Support for Embedded Testing Products
- ◆ Background of a healthy company



Rational's Ada Software Engineering Environment

Apex strengths

- ◆ Controls overwhelming complexity – through Architectural control (Subsystems)
- ◆ Integrated Configuration Management
- ◆ Code Browsing
- ◆ Code Rule checking
- ◆ Support for Safety-Critical development
 - M.A.R.K
- ◆ Integrated support for embedded development



Next steps for Apex

- ◆ Apex 4.2 to be released soon
 - ACATS 2.5
 - Wide platform support (5 UNIX, 1 Windows, all targets)
 - Optimizations for Pentium
- ◆ Apex 4.4 within the next 18 months
 - Support for newest PPC-Chips / Boards
 - New OSs
 - Optimizations



Apex Certification Status

- ◆ Apex 4.0 was certified to ACATS 2.4
 - Rational is the only Ada vendor to have conducted formal witness testing using ACATS 2.4 (or 2.3)
 - Rational is the only Ada vendor to have current full certification status
 - Every Apex release and patch undergoes the equivalent of certification testing
- ◆ Apex 4.2 will be certified using the new derived certification rules
 - New ACATS 2.5 baseline
 - Available before end of June 2002



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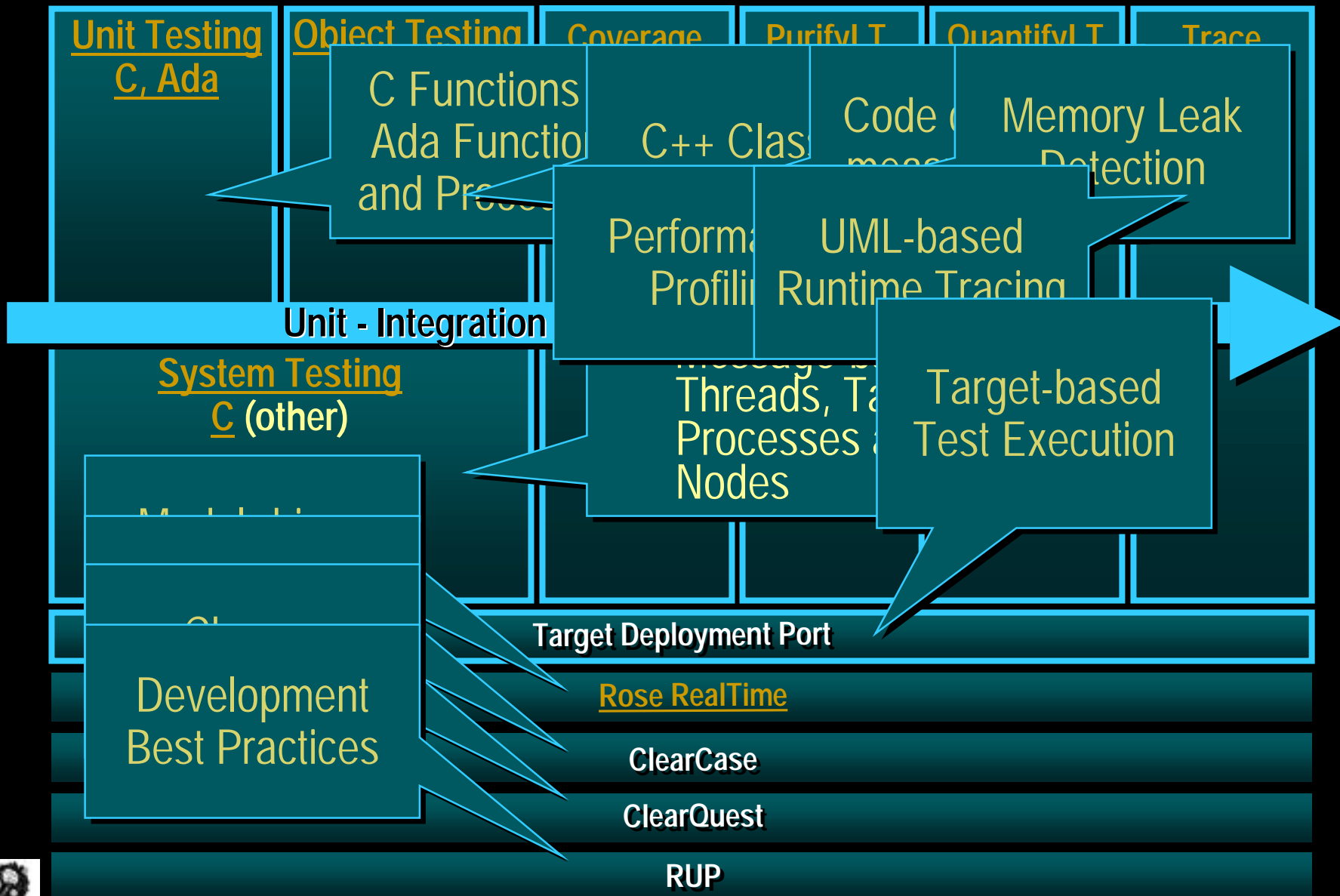


Automated Testing -- Rational Test RealTime

- ◆ Comprehensive Support for Testing of Embedded Applications
 - ◆ Ada83, Ada95, C, C++
 - ◆ Unit-Testing
 - ◆ Code Coverage Analysis
 - ◆ System Testing
- ◆ Wide range of supported targets
- ◆ Support for all major Ada compilers



Rational Test RealTime



Summary

- ◆ Strong support for Ada83 and Ada95
 - Apex
 - TestRealTime
- ◆ Support for the complete Software Lifecycle
- ◆ Strong company

