



ADA PRODUCTS

Marie Daub

PTC Developer Tools Sales Representative
(Western/Southern Europe, UK and RoW)

Chantal Duplenne

Software Development Engineer Principal -
PTC Developer Tools

Ada-Europe 2016 – Pisa, Italy

June 13-17, 2016



AGENDA

- **Introducing PTC**
- **Ada Products Overview**
- **Announcing objectada 64 for Windows**
- **Q&A**



Next-generation technology platforms and enterprise applications

Transforming how customers...



CREATE



CONNECT



ANALYZE



OPERATE



SERVICE

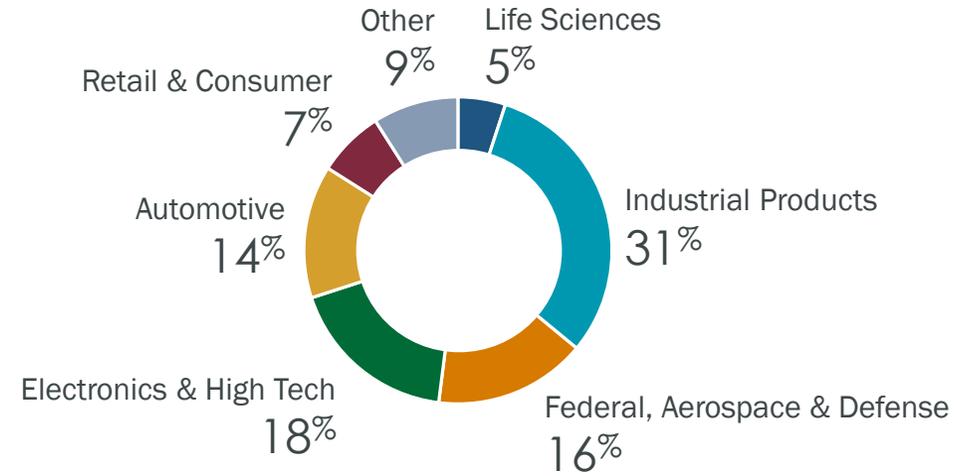
...smart and connected products, operations and systems



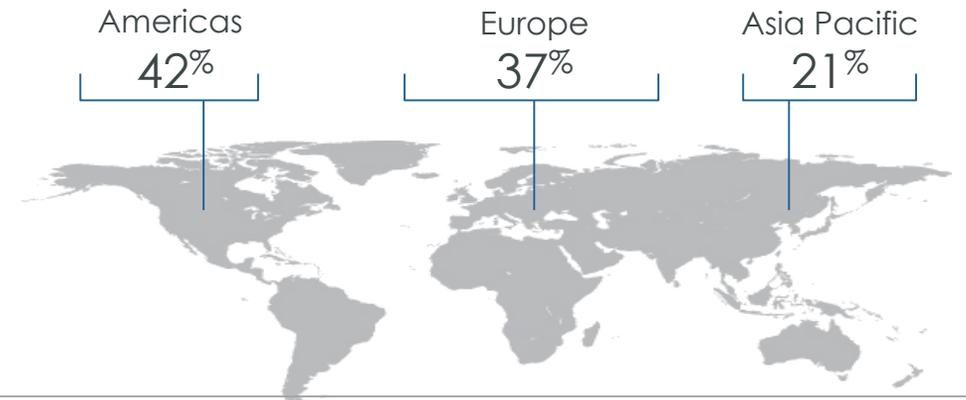
\$1.26B

FY 2015 TOTAL REVENUE

REVENUE BY VERTICAL



REVENUE BY REGION



FAST FACTS

26,000
active customers

750
partners

6,000
employees

1,800
academic
program
universities

INTRODUCING PTC DEVELOPER TOOLS



- Atego was acquired in July 2014 by PTC
- Atego Ada products are now part of the PTC Developer Tools family of Products
- Engineering and Technical Support teams for PTC Ada products retained
- Many new Ada product releases now available, with more in development
- Expanded Technical Support resources
- Dedicated R&D, Sales, Marketing, and Support staff



ptc apexada™

ptc objectada®

ptc adaworld®



DEPLOYED SYSTEMS USING PTC ADA PRODUCTS

Defense / Avionics / Rail Transport / Space Applications



M1A1 Abrams Tank



AH-64D Apache Longbow



Tornado Fighter-Bomber



SBIRS Satellite



Sea-based XBand Radar



TGV Brake and Signal Control Systems

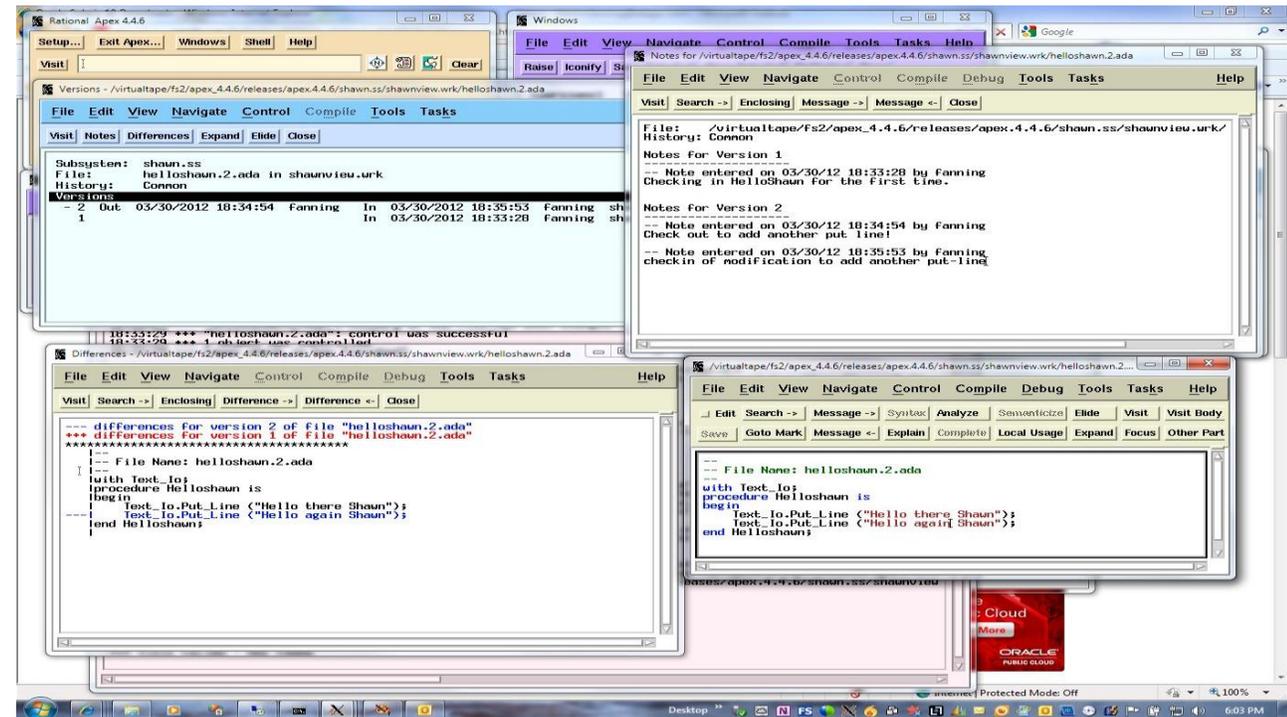
- PTC's Developer Tools team is very experienced in the support of customers requiring long-term product availability, stability, and support.

PTC APEXADA OVERVIEW



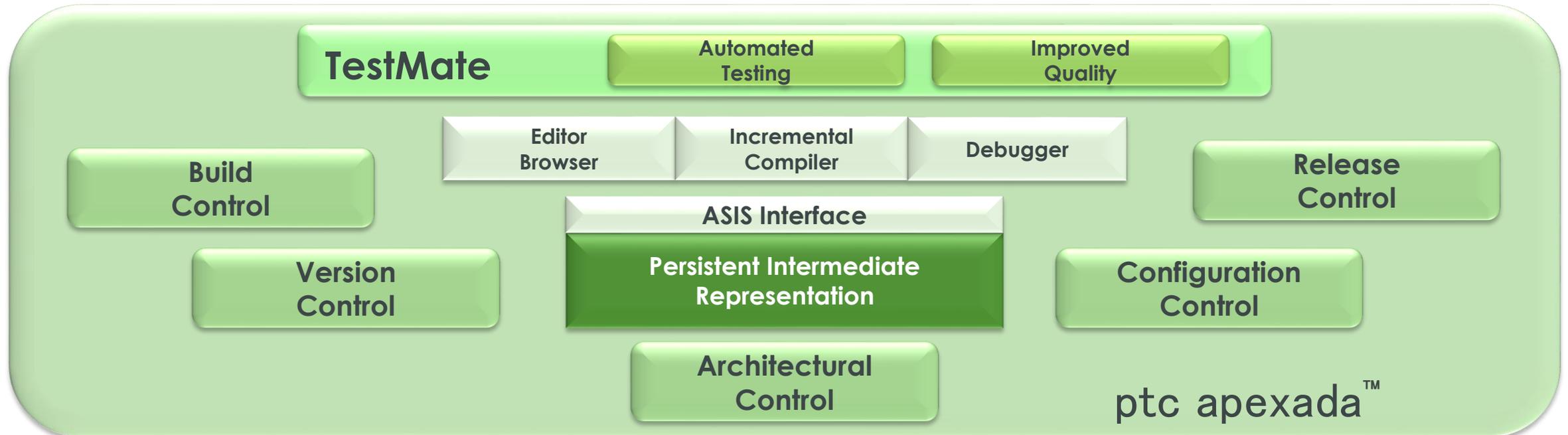
- Ada 95 & Ada 2005 language support
- Native compilers:
 - Solaris SPARC
 - Solaris Intel
 - Linux Intel
- Embedded / Cross Compilers:
 - VxWorks (Intel, PowerPC targets)
 - LynxOS (Intel, PowerPC targets)
 - ApexAda Exec (Intel, PowerPC, MIPS targets)
- Summit CM & TestMate test tools
- Versions supported: v4.2, v4.4, v5.0

ptc apexada™



- **PTC ApexAda Developer provides:**

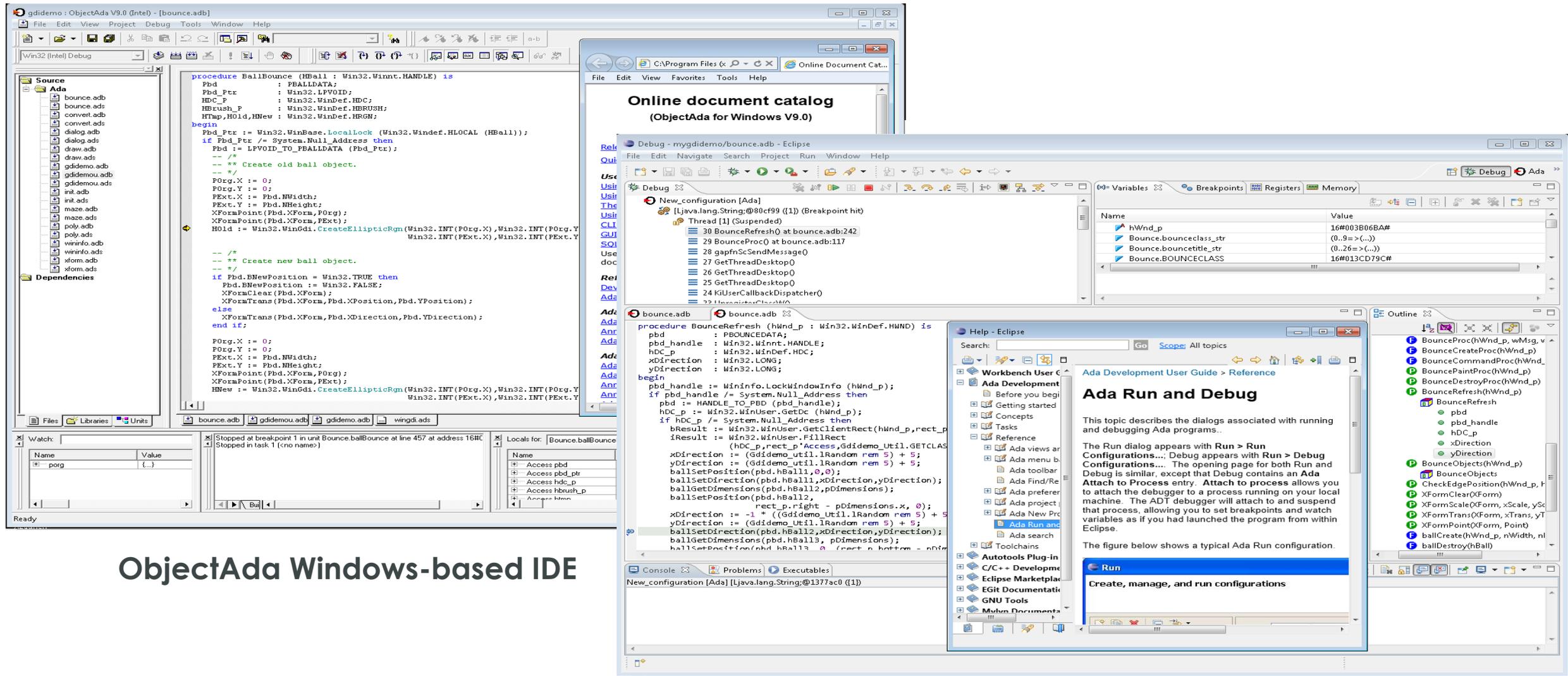
- Architectural control mechanisms
- Change and configuration management system
- Sophisticated Ada compilation management
- Integrated, interactive debugger
- Language specific editing features
- Native and embedded/real-time development
- Test management/coverage analysis



ptc objectada[®]

- **ObjectAda for Windows**
 - Native compiler for Windows
 - Ada 95 and Ada 2005 language support
- **ObjectAda for Unix / Linux**
 - Native compilers (Solaris SPARC, Solaris Intel, AIX, HP-UX, Linux Intel)
 - Ada 95 language support
- **ObjectAda Real-Time**
 - Cross development products - Real-time full Ada 95 runtime products
 - VxWorks (Windows host; Intel, PowerPC targets)
 - LynxOS (Solaris, AIX, Linux host; PowerPC targets)
- **ObjectAda Raven**
 - Cross development products – safety-critical Ravenscar profile – restricted Ada 95 runtime
 - Bare target (Windows, Solaris host; PowerPC, Intel, ERC32 targets)
 - VxWorks 653 (Windows host; PowerPC target)

OBJECTADA FOR WINDOWS ENVIRONMENT



ObjectAda Windows-based IDE

ObjectAda Eclipse-based IDE

- AdaWorld for Unix
 - Native Ada 83 compiler products
- AdaWorld / ActivAda ARTK Real-time
 - Cross development products - Real-time full Ada 83 runtime products
 - C-SMART restricted runtimes used for safety-critical / DO-178B certified projects
- Legacy Ada product line
 - Support available only for select products and versions

ptc adaworld[®]

ptc objectada[®] 64 for Windows V9.2

- **PTC's first 64-bit ObjectAda Compiler**
- V9.2 offers two distinct product editions:
 - ObjectAda 64 for Windows V9.2 - Generates 64-bit Windows native applications
 - ObjectAda for Windows V9.2 – upgraded and continues to offer 32-bit code generation
- ObjectAda for Windows V9.2 characteristics:
 - **64-bit application development & execution** - Compiler, runtime, debugger, and IDE upgrades
 - **Windows 10 compatibility** – also works with Windows 7 or later
 - **Visual C++ 2010 SP1-compatible** tools & Windows SDK v7.1 libraries
 - ADT Eclipse interface upgrade – **works with latest Eclipse versions**
- Product availability:
 - ObjectAda for Windows v9.2 - Beta release – May 2016
 - ObjectAda for Windows v9.2 - Production release - 2016 Q3

Q&A

<http://www.ptc.com/developer-tools>

<http://www.ptc.com/developer-tools/apexada>

<http://www.ptc.com/developer-tools/objectada>





ptc