Overview

- MBSE/SysML advancements and challenges

- Benefits and current issues of using MBSE/SysML

- Exciting MBSE/SysML opportunities
Atego Products

- Process Definition, Deployment & Management
- Requirements Interchange
- Modeling
  - Enterprise Architectures
  - Systems
  - Software
- Code Generation
- Co-Simulation
- Tool-Chain Collaboration & Hosting
- Professional Services

Java Runtime

Real-Time Java IDE
- Edit
- Compile
- Debug

C / C++ IDE

Ada IDE
- Edit
- Compile
- Debug

Ada Runtime
Atego Products

- ategoProcessDirector
- ategoExerpt
- artisanStudio
  - Reviewer
  - Uno
- ategoAce
- ategoWorkbench
- ategoGlobalServices
MBSE/SysML advancements and challenges

What are:

a. The main MBSE/SysML advances Atego has seen?
   - SysML has a wider acceptance in industry
   - Model execution

b. The main MBSE/SysML challenges customers have faced?
   - Changing the minds of the current engineering staff.
   - Cost of start up.
Benefits and current issues of using MBSE/SysML

- What are the key MBSE/SysML aspects you see with Atego’s customers today regarding:
  - Issues the customers are having? [with today's SysML/MBSE technology base as a whole]
    - Language usage and understanding
  - Benefits they are seeing?
    - Collaboration
    - Document generation
    - Automated design review
Modeling - Analysis and Design

- Scalable OMG UML, SysML, UPDM (DoDAF/MODAF) Modeling
- Repository Collaboration
- Built-In Traceability
- Document Generation
- Automated Design Review
- Code Generation & Sync
  C, C++, C#, Java, Ada

- Improved Quality through Early Design Review and Consistency
- Bring Systems to Market Faster with Parallel Design Effort
- Cost Reductions from Design and Development Automation
Model Execution/Analysis

- bdd
- par
- od
Exciting MBSE/SysML opportunities

- What exciting MBSE/SysML opportunities do you foresee over the next several years?
Three fundamental concepts

- Process
- Tool
- Person

1. Process drives 1..* Tool
2. Enables
3. 1..* Person

1. Process drives 1..* Tool

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Process Authoring and Rollout

- Process Inventory in the Box
- Process Design / Authoring Tool
- Agile Process Wizard
  - Project specific process instantiation / tailoring
- MS Project Plan Generation
- Process Deployment
  - To Do Home Pages
  - Automatic Email Notification

- Merge Industry Best Practices and your Experience to improve Quality
- Achieve the Promised Productivity Improvements from your Processes
- Reduce Costs of Process Definition and Rollout
Data Mining/Data Analysis

- Generate traditional Systems documentation from modeling information
Asset Library

- Asset Library is an essential tool for enabling reuse
- Ability to build a reusable library of components to keep all systems data for future systems development.
Further Information

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- For more on training, webinars, tools and professional services:
  
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