# Delivering a CMMI Compliant Project Plan in 30 minutes

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- ▶ SEPG 2005



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"Select is a market leader in Ability to Execute and Completeness of Vision": 2002

**Gartner** 

## **Process Improvement Goals**

- ▶ Improve Consistency and Standardization
  - Process Director used to deploy process across geographically dispersed and multi-level security organization
- Improve Systems and Software Engineering Capability
  - Current Organization Standard Process (OSP) consists of seven lifecycles (3 non-engineering and 4 engineering)
- ▶ Decrease Process Implementation Time
  - Using this approach Booz Allen achieved CMMI Level 2 with a 200 person organization
  - Process Director tool significantly reduces planning time
- Make Processes More User Friendly
  - Process Elements provide references, best practices, and templates for all activities



# The Project Managers (PM) Challenge

Problem	Process Value Added
Insufficient planning time	Rapid planning ability using Microsoft (MS) Project
Organization Standard Process (OSP) consists of hundreds of process elements: which ones are applicable to my project?	Agile Process Wizard leads PM through a series of questions to screen and tailor OSP to produce the Project Defined Process (PDP)
I need to plan my project: What activities should I plan for?	OSP Lifecycles provide sequenced project activities based on past performance, templates and best practices.
I need to integrate my process planning into my project: How do I plan a process?	Agile Process Wizard helps PM select appropriate processes and integrates them with project activities.



## **Approach**

#### People

- Process Definition team comprised of mix of project practitioners and process experts
- Team trained in Process Definition and Notation; Process Tool; CMMI

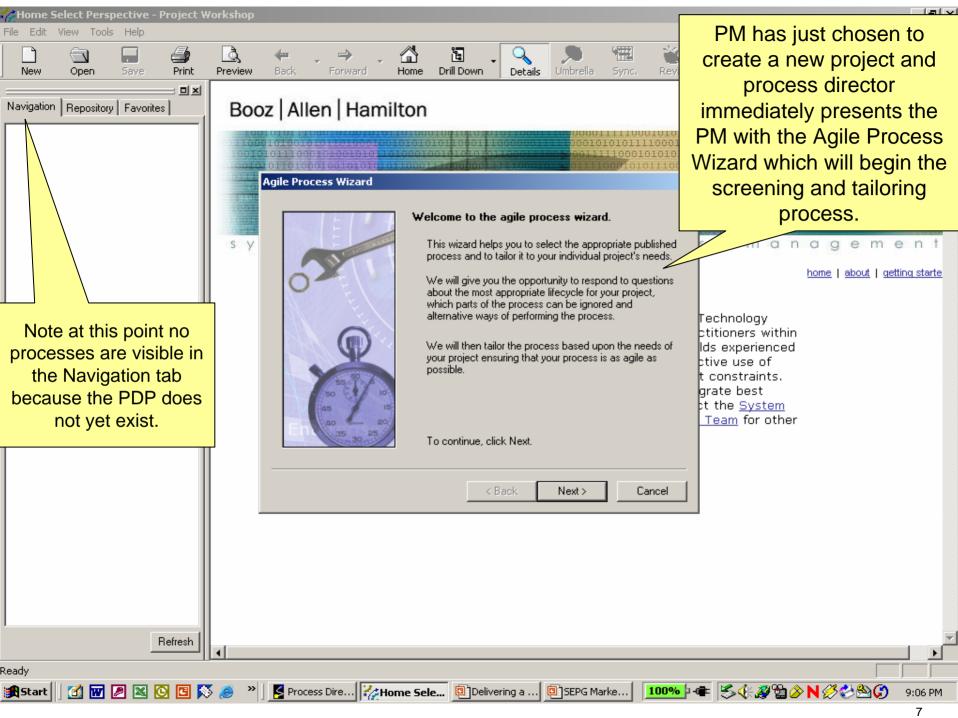
#### Process

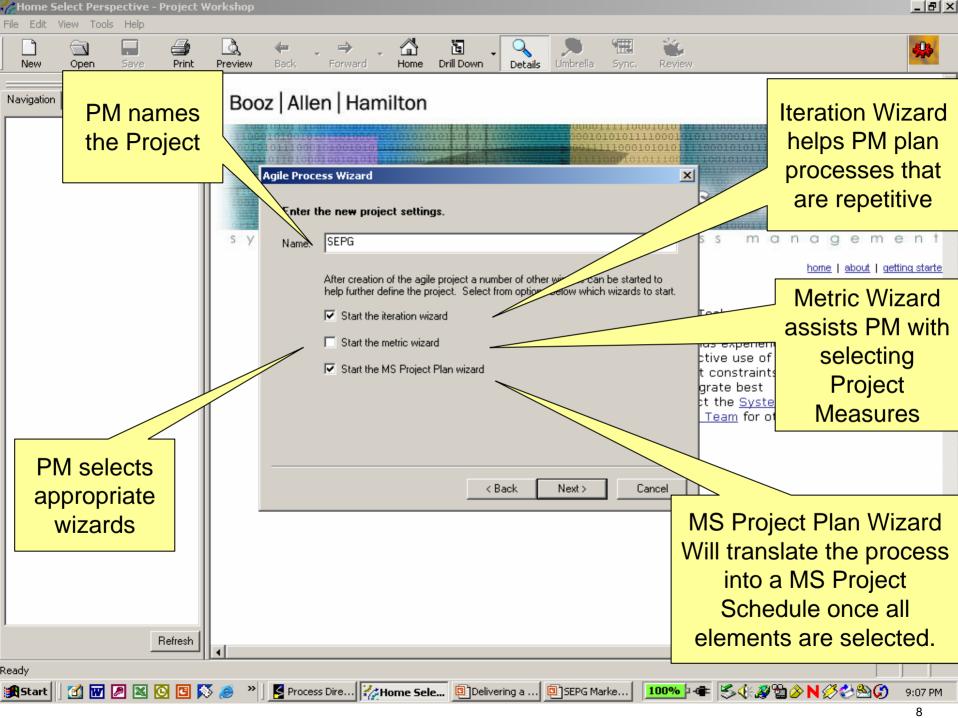
- OSP developed to be compliant with multiple models and standards
- OSP designed to be used with the technology chosen and tailoring guidelines are integrated into logic
- OSP target audience is junior personnel with minimal training

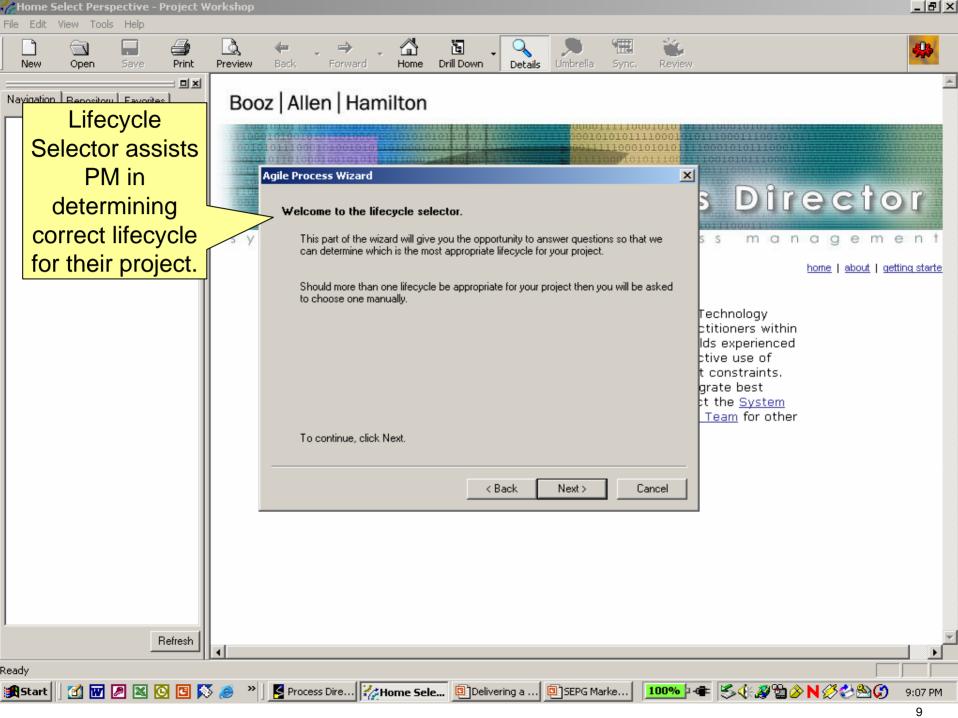
#### Technology

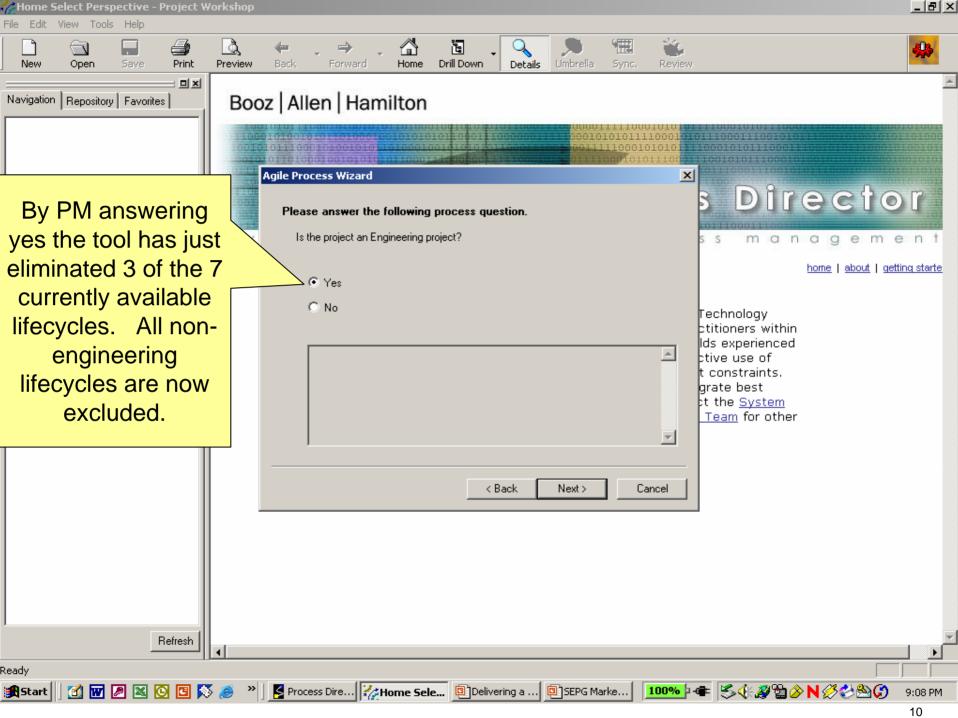
- Process Tool chosen that could support geographically dispersed organization using a variety of deployment methods
- Tool needed to support the multi-dimensional nature of the OSP
- Tool needed to be MS Project compatible

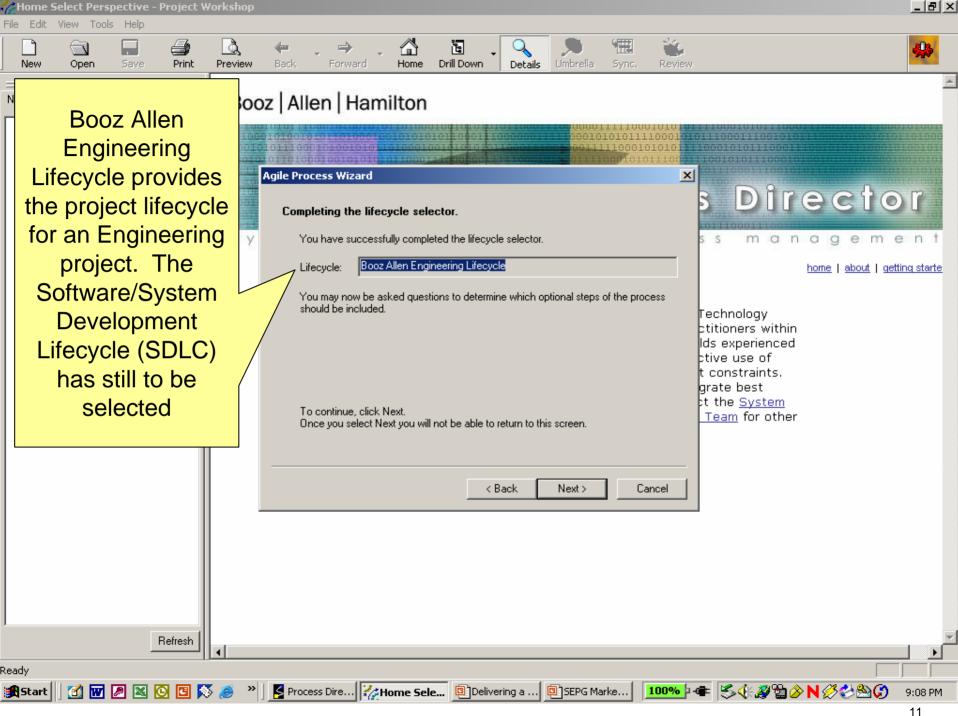


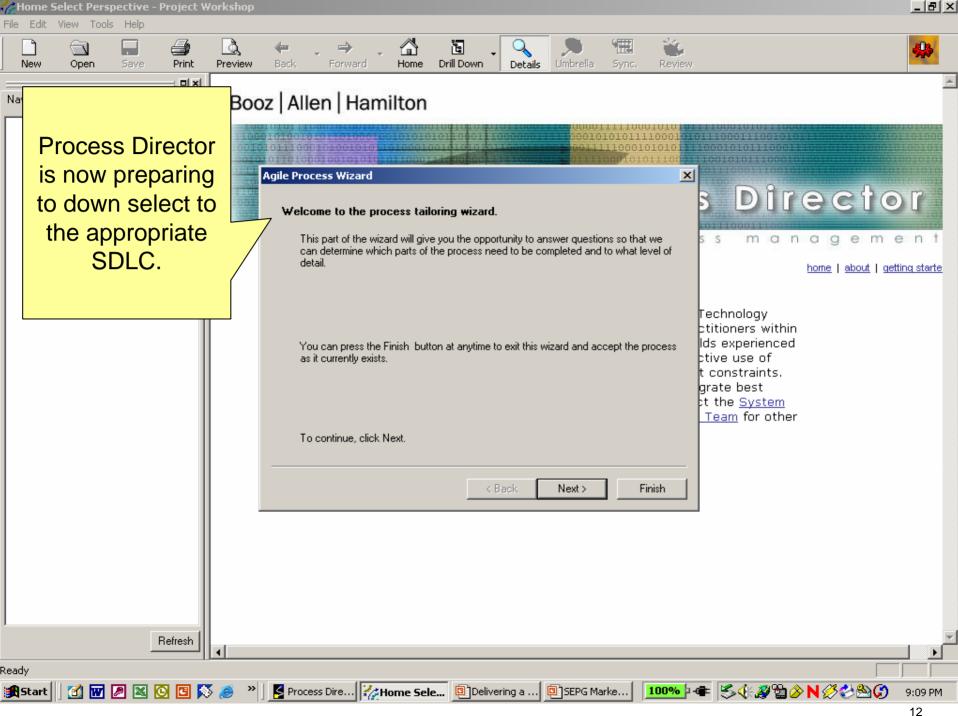


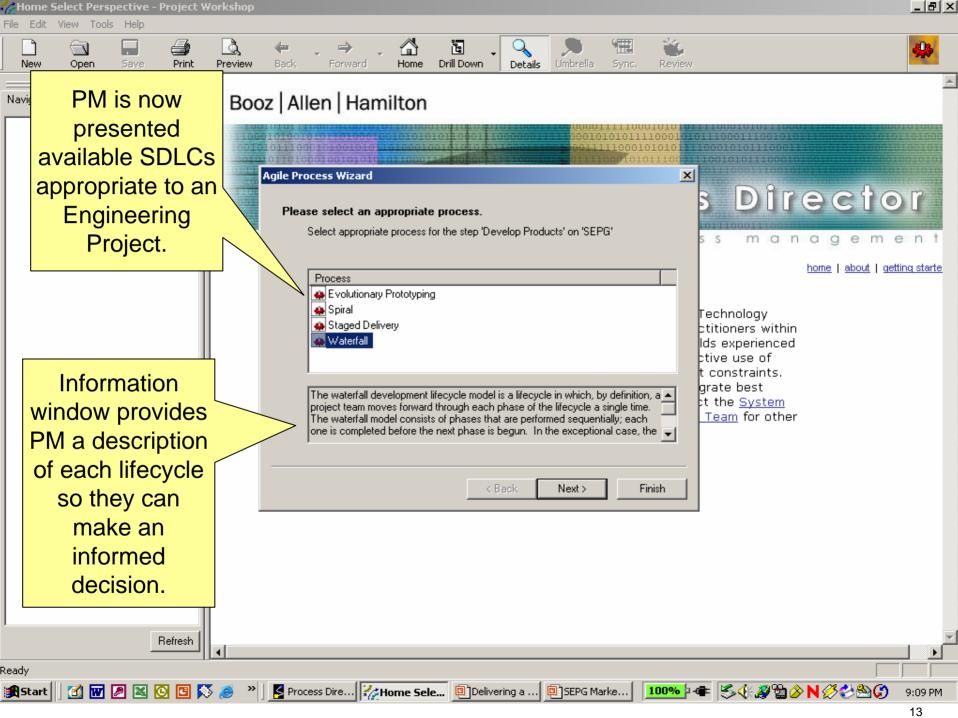


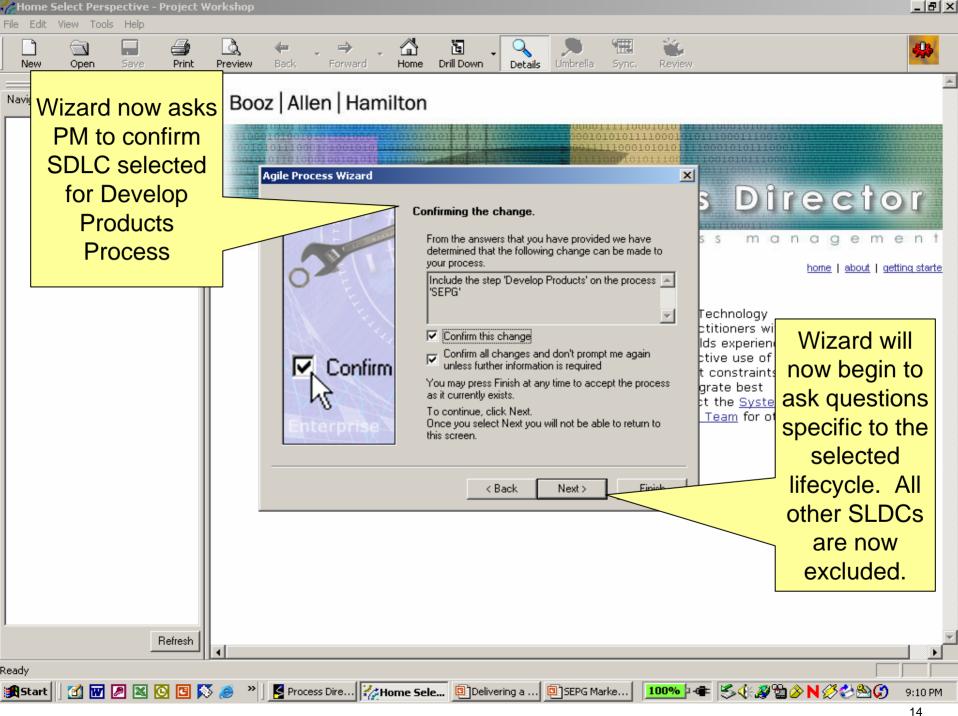


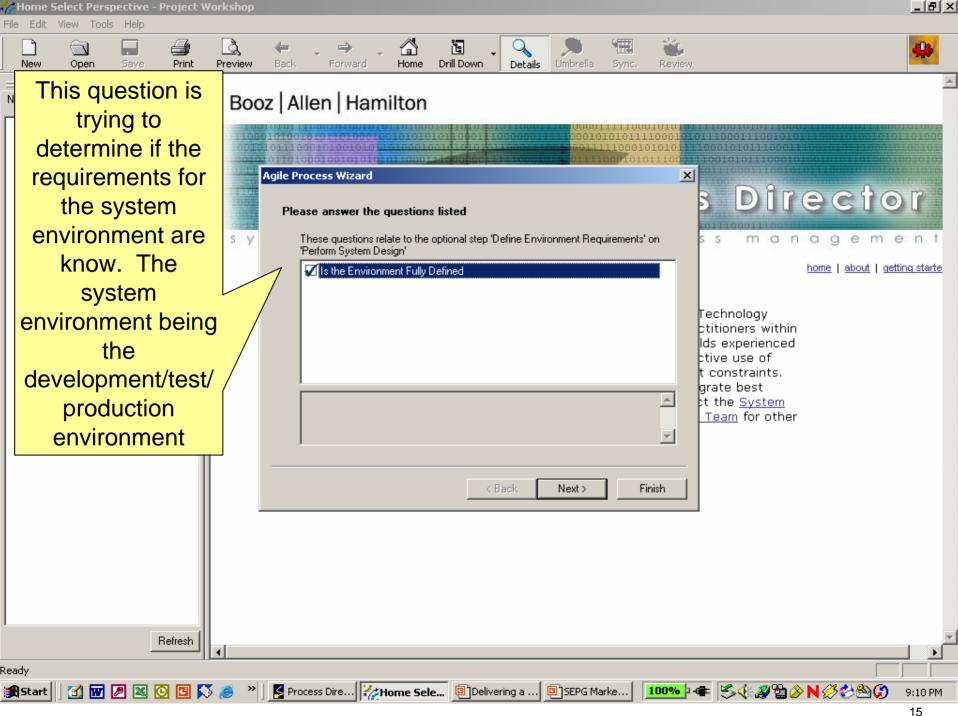


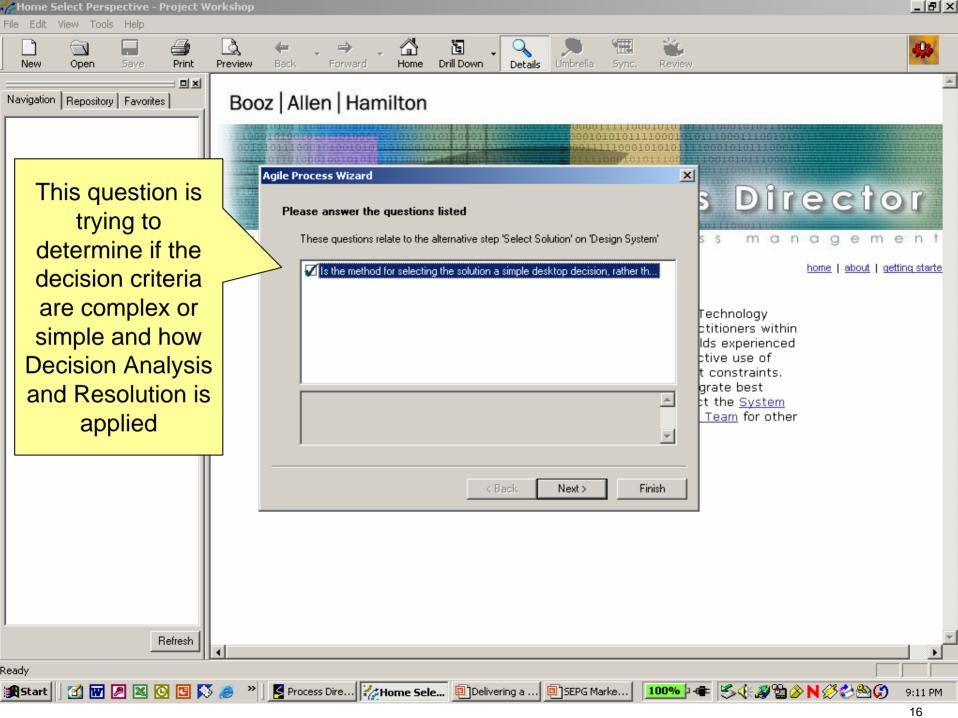


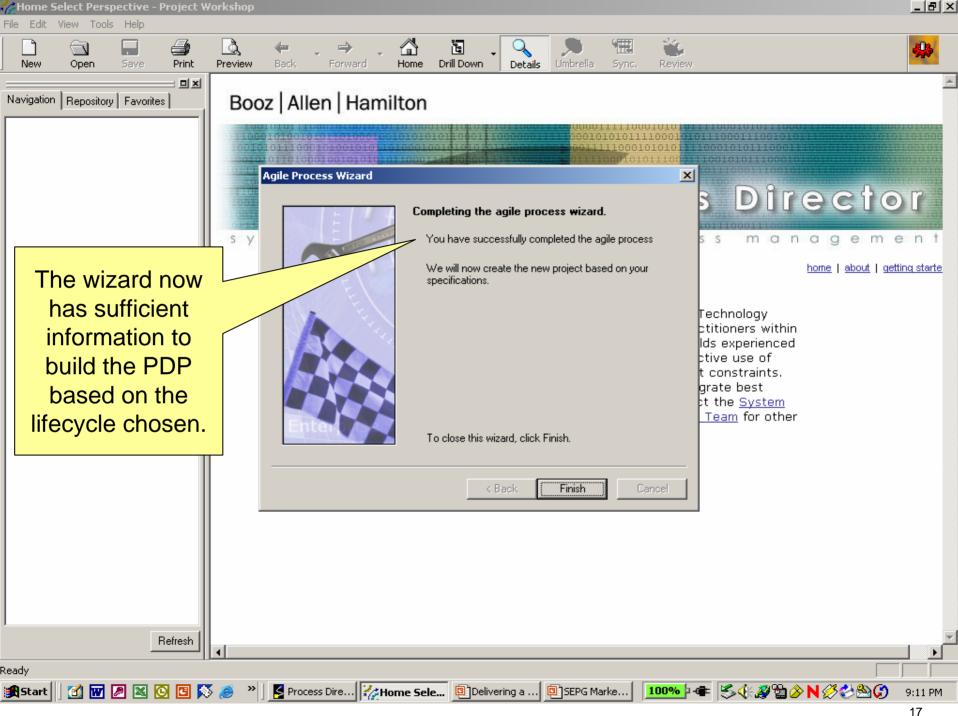


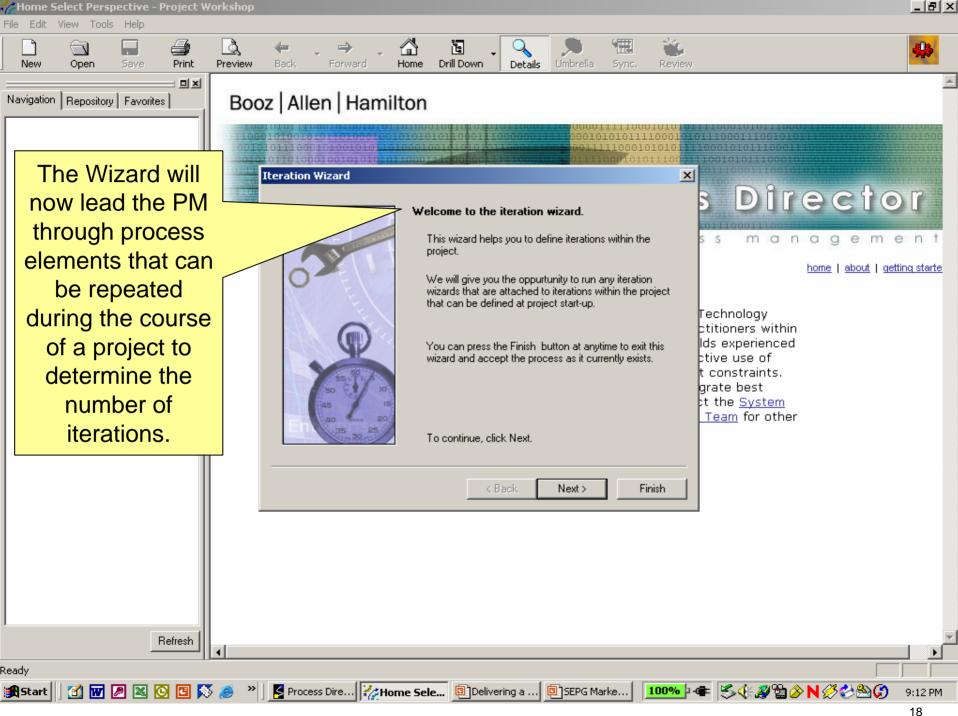


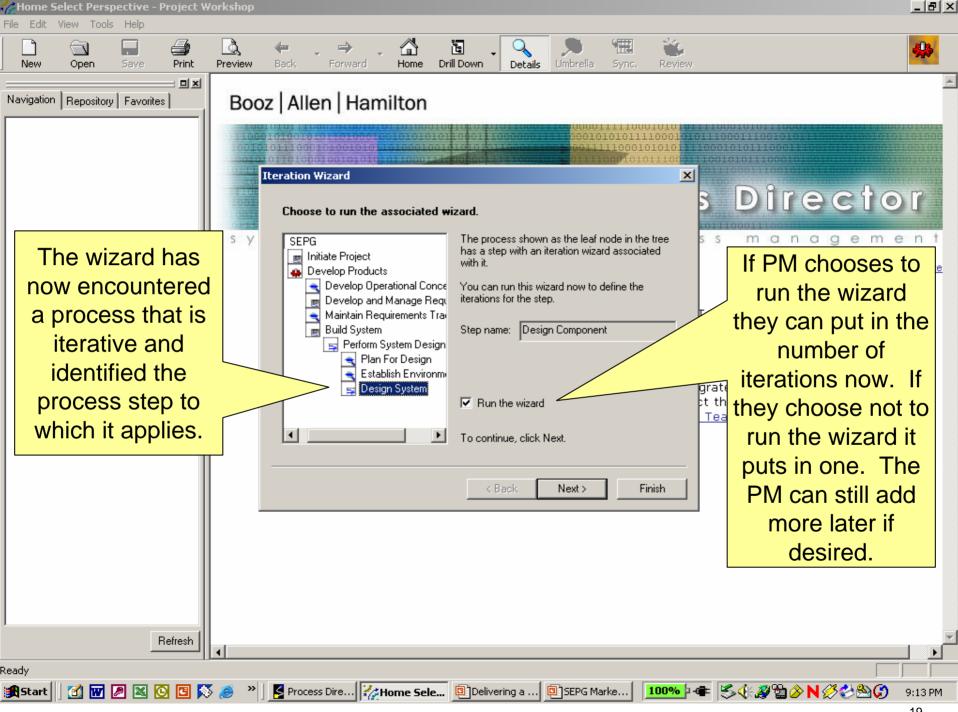


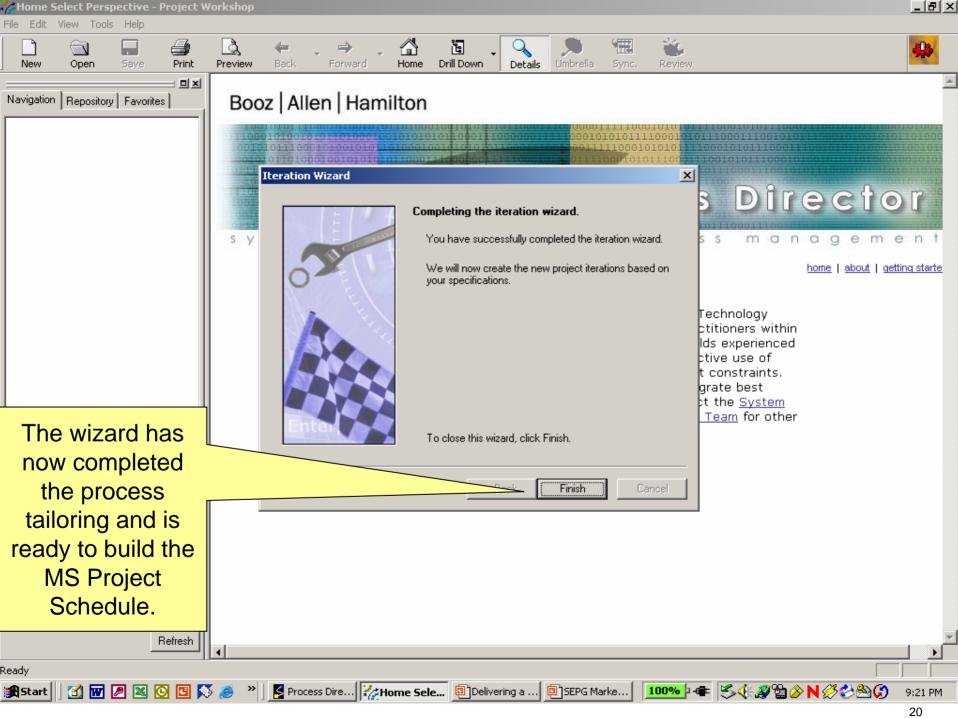


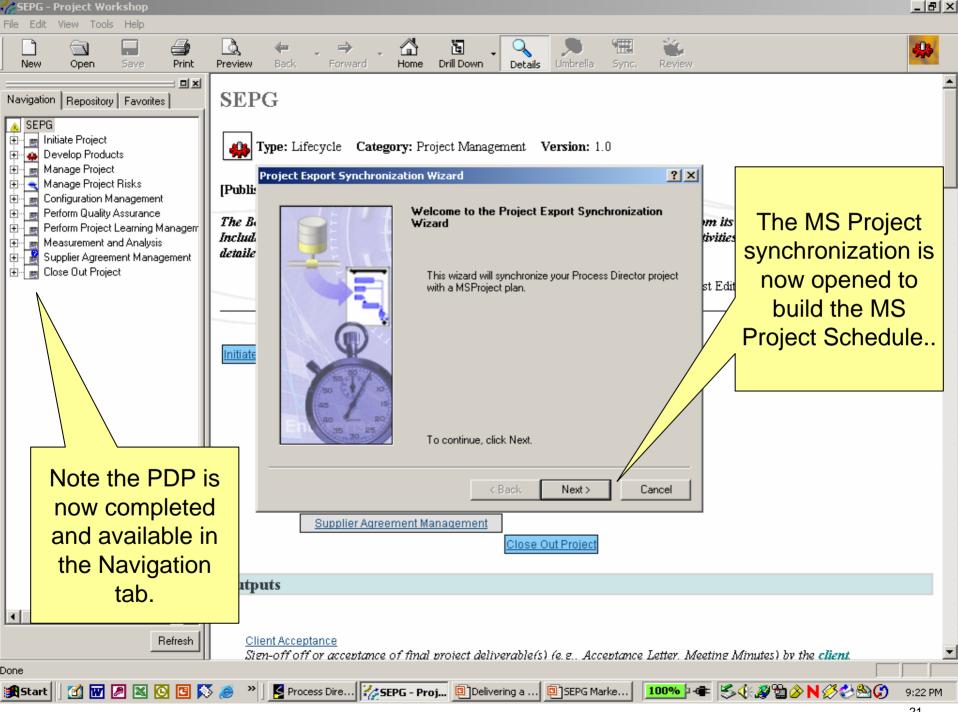


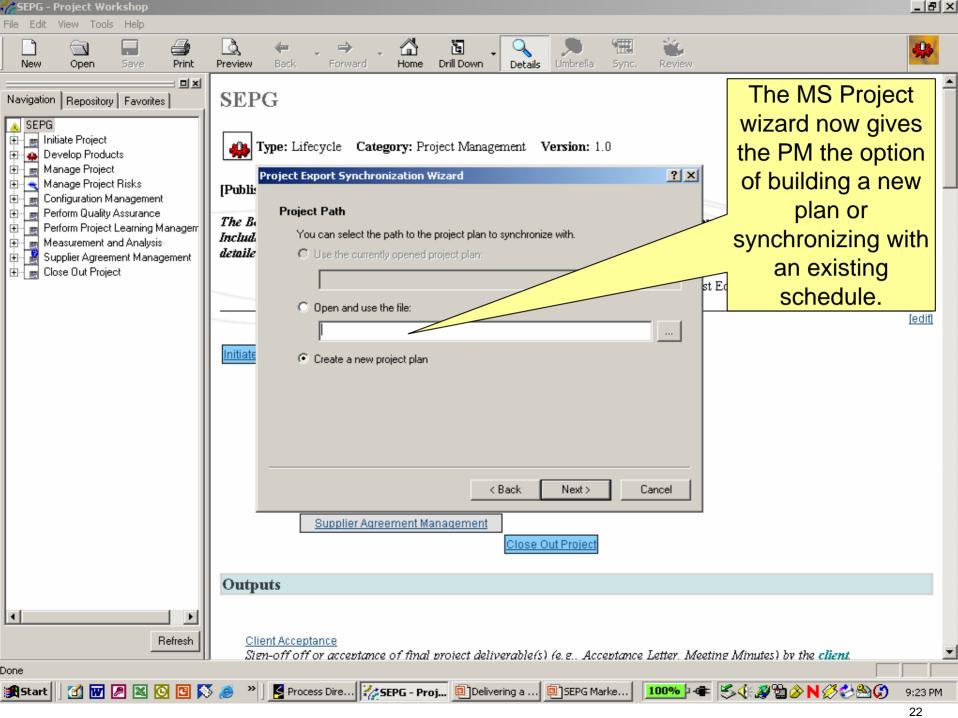


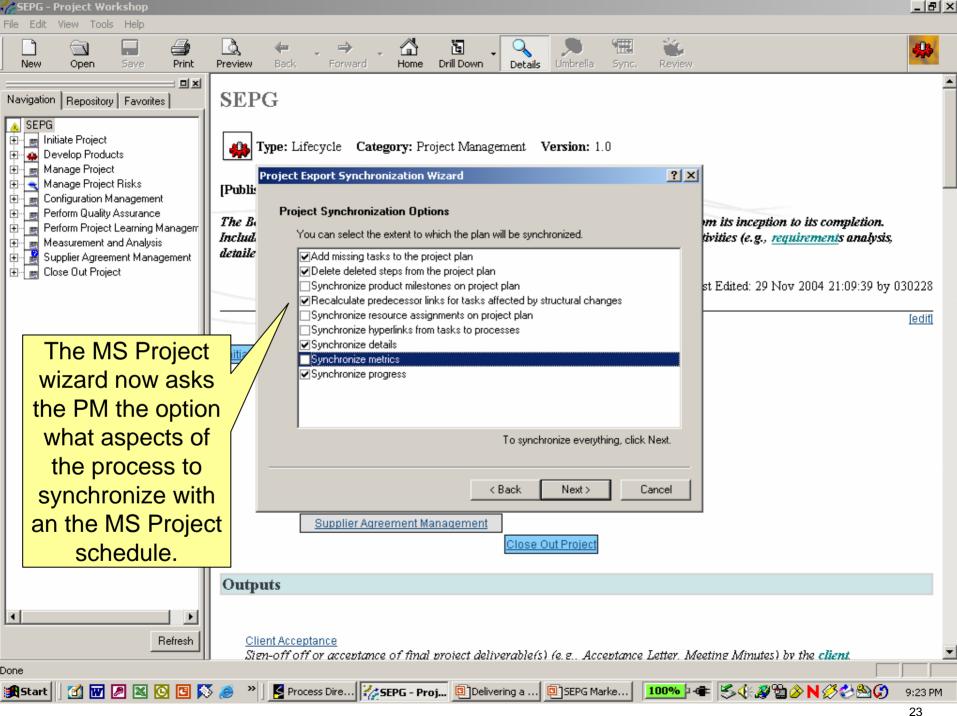


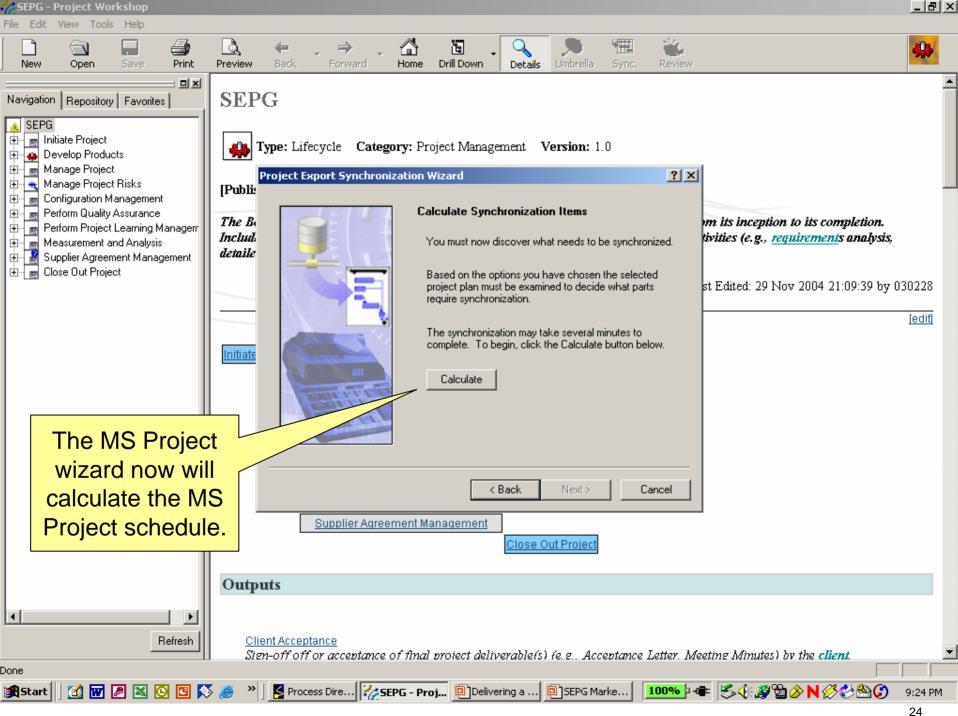


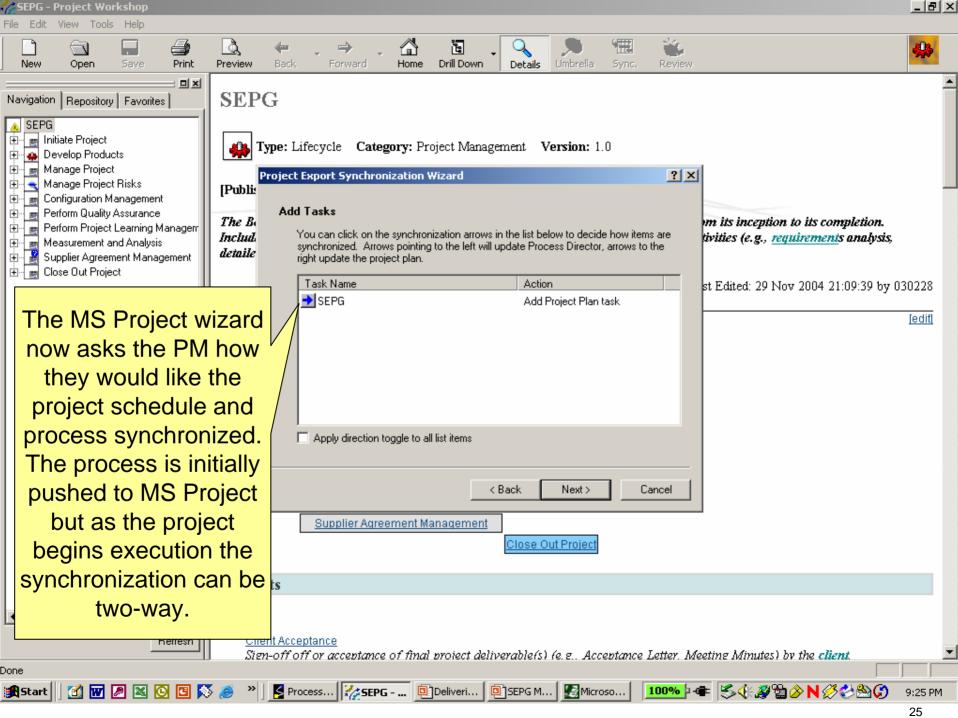


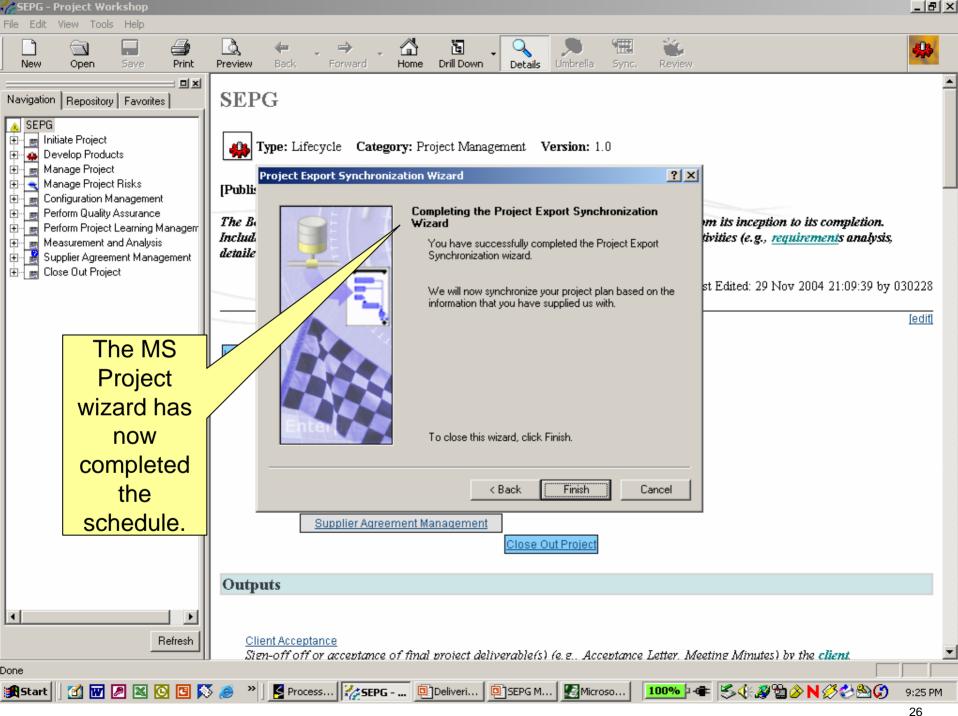


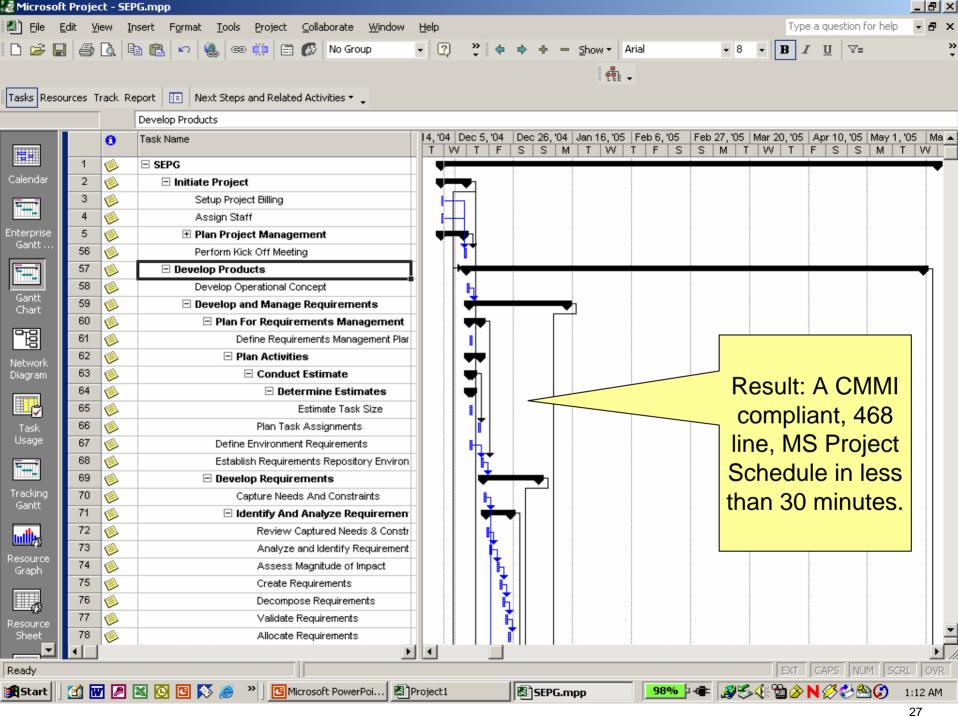












# In Closing

- ▶ OSP designed to support rapid planning and model compliance
- ▶ PDP easily and quickly tailored from OSP
- ▶ Process supports planning and development of initial project plan

