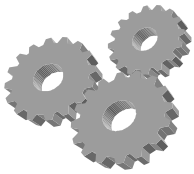

Training Agenda
Performance Modeling

Day One Optional (31 Tasks)

Welcome and Introduction

Introduction to Performance Modeling

- Introduction
- Course Approach
- What should you already know?
- Isn't this course "Pro/ENGINEER Best Practices?"
- Continuous Process Improvement (CPI)
- What is Performance?
- What impacts Performance?
- Corporate Design Standards
- Template Files
- Design Standards Administration
- Pro/ENGINEER Configuration Files

✓ *5 Tasks will be completed*

Model Quality

- Introduction
- Geometry Checks
- Accuracy
- Message Log Errors and Warnings
- Packaged Components
- Frozen Components
- Suppressed Components
- Hidden Components
- Inconsistent Placement Failures
- Order of Regeneration
- Circular References

✓ *6 Tasks will be completed*

Modeling Speed

- Name Features
- Group Features
- Search Tool
- Select Parent
- Expand Selected
- Component Preview
- Pre-highlighting
- Display Model
- Assemble Component Start Packaged
- Repeat & Replace
- Component Interfaces

✓ *12 Tasks will be completed*

Mass Creation

- Rapid Component Development
- Part Family Tables
- Instant Accelerator Files
- Nested Family Tables
- Assembly Family Tables
- Family Tables Use Cases and Alternatives
- Sheet Metal Components
- Cast and Machined Models
- Manufacturing Models
- Mechanism Snapshots
- Two-Dimensional Repeat Region
- Replace by Family Table
- Assembly Cuts
- Automation
- Mass Drawing Creation
- Mass Change
- Inheritance Features
- User Defined Features
- ✓ *9 Tasks will be completed*

Day Two (25 Tasks)

Model Simplification

- Minimal Geometry Definition
- Cosmetic Sketches
- Cosmetic Threads
- Flexible Components
- Shrinkwraps
- Part Simplified Reps
- Assembly Simplified Reps
- Simplified Reps On the Fly
- On Demand Simplified Reps
- Simplified Reps by Rule
- External Simplified Reps (ESR)
- ✓ *9 Tasks will be completed*

Relationship Management

- Parent-Child Directional Relationships
- Relationship Chains
- Restructure
- External References
- Publish and Copy Geometry
- Finding External References
- Reference Control
- Layouts
- Skeletons
- Master Model Technique
- Placement Interfaces
- Motion Skeletons
- ✓ *12 Tasks will be completed*

Batch Processing

- Applying Performance Modeling
- Mass Analysis
- ModelCHECK
- Distributed Pro/BATCH Standalone
- Customized Mass Model Updates

✓ *2 Tasks will be completed*

Assembly Structures

- Retrieving Models
- Assembly Philosophies
- Bottom-Up Design Philosophy
- Top-Down Design Philosophy
- Modular Design Philosophy
- Techniques for Structuring Skeletons
- Single Skeleton Technique
- Multiple Skeletons Technique
- Plus-One Design Technique
- Include
- Shrinkwraps
- Bulk Items
- Conclusion

✓ *2 Tasks will be completed*