PTC University 2010

Agenda

> Best Practice Academy

> eLearning

> PTC University Sweden

Best Practice Academy Builds Capability to Optimize Skills

Core Training
Individual Focus

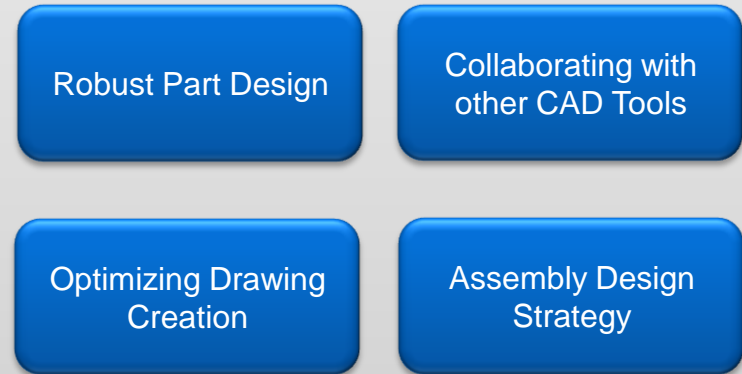Introduction to Pro/ENGINEER

- Advanced Part Modeling
- Detailing
- Advanced Assembly Design
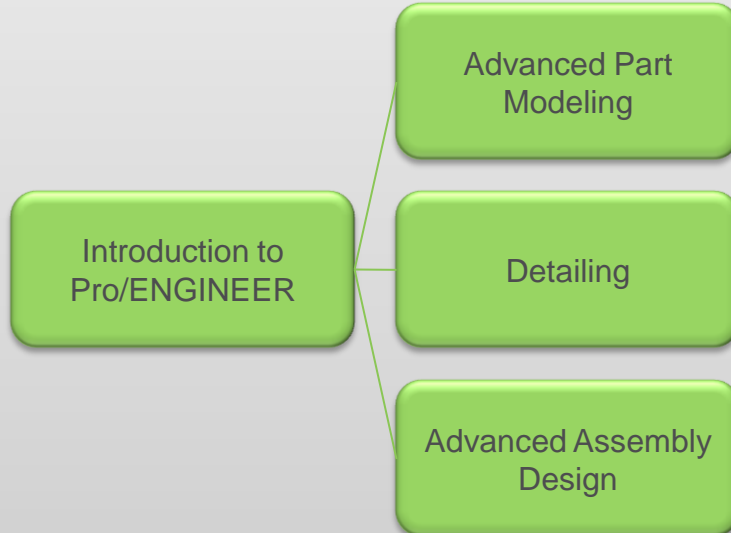
– Focuses on individual skill building
– Creates an understanding of feature/function capabilities
– Delivered via classroom, virtual, or eLearning

Best Practice Academy
Organizational Focus

Robust Part Design

Collaborating with other CAD Tools

Optimizing Drawing Creation

Assembly Design Strategy

– Focuses on product development best practices
– Creates organizational specific working methods
– Optimizes functionality, quality, performance
– Delivered via configured workshops and learning programs

Learning Program Drives Adoption of Best Practices

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> **Best Practice Overview**
  - – Introduces you to methods of pre-configured modules
  - – Leverages PTC Best Practices
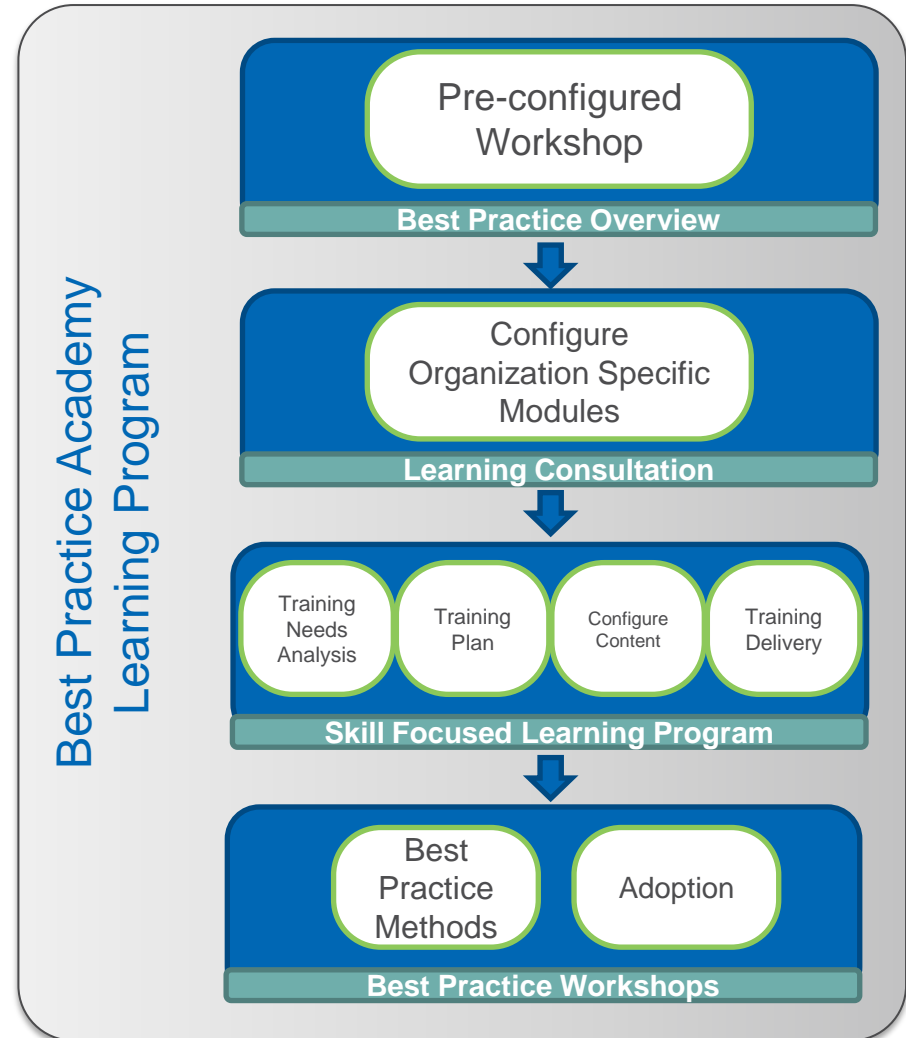
> **Learning Consultation**
  - – Collaborates with you to identify core focus areas
  - – Builds alignment on core objectives within your organization
  - – Conducts interactive workshops with core SMEs on configured module adoption for your organization

> **Skill Focused Learning Program**
  - – Assess individual capabilities to utilize best practice modules
  - – Builds individual skills
  - – Re-assess to ensure successful adoption

> **Best Practice Workshops**
  - – Interactive sessions to teach specific methods around organizationally configured modules
  - – Tailored to specific audiences and needs
  - – Leads to targeted follow-up to drive adoption

Best Practice Academy Learning Program

Pre-configured Workshop

Best Practice Overview

Configure Organization Specific Modules

Learning Consultation

Training Needs Analysis | Training Plan | Configure Content | Training Delivery

Skill Focused Learning Program

Best Practice Methods | **Adoption**

Best Practice Workshops

Top 22 Modules in Portfolio

> **Robust Part Design**

– Structuring Models

– Making Models Transparent

– Creating Robust Models

– Sharing Part Geometry

> **Assembly Design Strategy**

– Improving Assembly Performance

– Creating Assembly Instances

– Sharing Assembly Geometry

– Structuring Assemblies

– Assembly Design Scenarios

> **Collaborating with other CAD Tools**

– Importing MCAD-Data Planning

– Importing MCAD-Data tools

– Importing MCAD-Data Examples

> **Optimizing Drawing Creation**

– Planning Drawings

– Pre Configuring Drawings

– Improving Drawing Quality

– Optimizing Drawing Performance

– Drawings Scenarios

– Managing Tolerances

– Creating Drawing Table

> **Other Modules**

– Documenting Assembly Process

– Selecting Curves

– Selecting Surfaces

Best Practice Academy can Improve your Product Development

> Improve product quality, reduce re-work

> Decrease time to market

> Improve workflow through process adoption

> Reduce burden on internal experts to create and research best practices

> Increase adoption through improved integration of process and technology

eLearning

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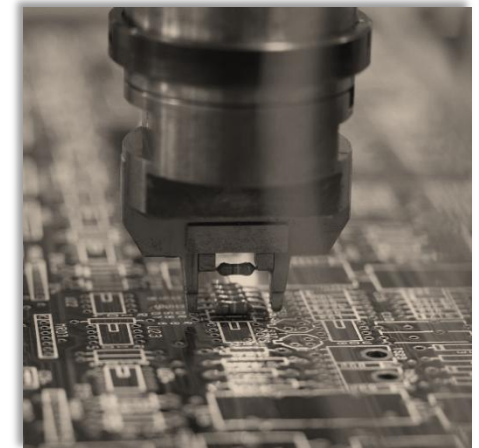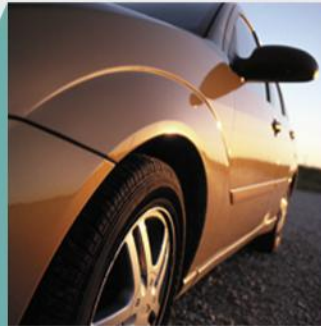
- Constantly changing schedules
- Justifying time away from the office
- Geographically dispersed teams
- Multi-tasked work environment
- Need learning on-demand

PTC University eLearning Libraries Make it Easy

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Convenient

– Available 24/7/365 from any location

– Stop and start training at any time

Comprehensive

– eLearning for all PTC product families

– Includes lectures, demos, & lab exercises

– Learn new topics & advanced features

Efficient

– Short, easy to absorb modules

– Quickly search for specific topics

Delivers Value

o Calculate skill retention with assessments

o Track & measure progress with PTC University Precision LMS
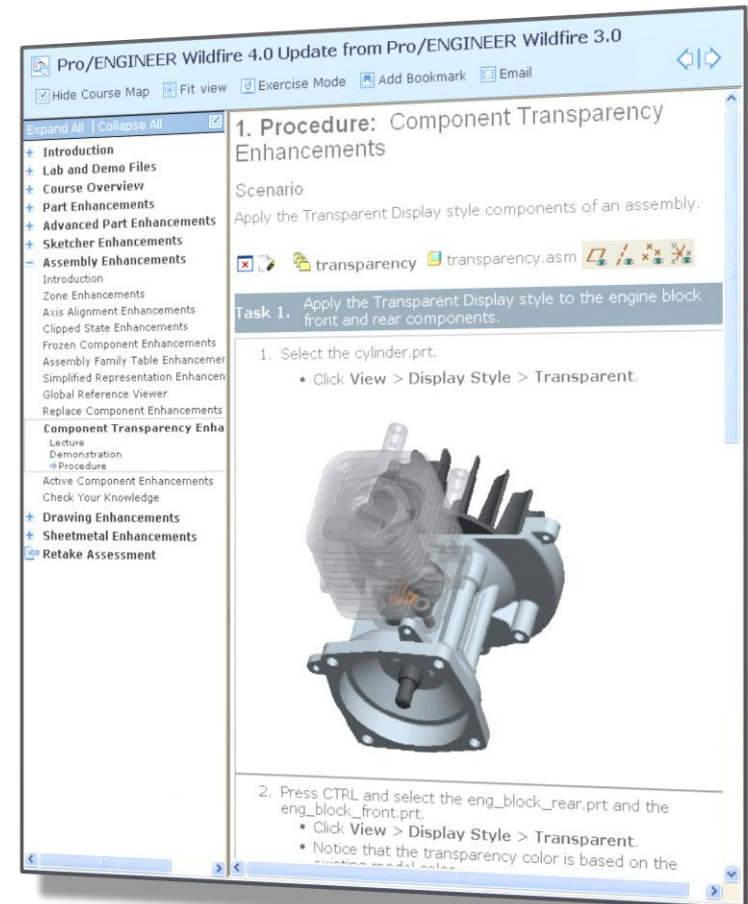
"30% of software training done in 2009 was eLearning"
Source: Forrester Research

Comprehensive Content

– 4,000+ hours of quality learning material

– Same content as Instructor-led training

– Covers basic and advanced topics

– Available in 9 different languages

Pro|ENGINEER®

- Pro/ENGINEER
- COACH for Pro/ENGINEER

Windchill®

- Windchill
- Windchill PDMLink
- Windchill ProjectLink
- Windchill ProductPoint
- FlexPLM

Arbortext®

- Arbortext
- Arbortext IsoDraw

ProductView™

Mathcad®

CoCreate®

Pro/FICIENCY

Precision LMS Capabilities

> ## Administrators can:

  – Configure existing eLearning

  – Integrate organizational content

  – Auto generate assessments

  – Create new assessments

  – Assign group owners

> ## Managers can:

  – Create team development plans

  – Track team enrollments and transcripts

  – Access real-time individual and team progress reports

  – Export data for additional analysis

Precision LMS Capabilities

PTC®

> ## Precision LMS Capabilities

> End-users can:

– Maintain a personal development plan

– Full-text search of available courses and course content

– Access Web-based Training

– Receive targeted development suggestions based on assessment results

– Easily share content via embedded email function

– View complete transcripts and Pro/FICIENCY results

PTC University eLearning Libraries Value Proposition

> ## Value Proposition
  - **Pro/Engineer eLearning Library for same money as a 3-day In-Centre course**

> ## Benefits
  - Available 24/7/365
  - 100+ Standard & Advanced Courses
  - Easily searchable modules and topics
  - Lecture, Demonstrations, hands-on Exercises & Assessments format
  - Testing, reporting and tracking built into courses and Learning Management System
  - Live telephone support available

Pro/ENGINEER Wildfire 4.0 Update from Pro/ENGINEER Wildfire 3.0

Hide Course Map | Fit view | Exercise Mode | Add Bookmark | Email

Expand All | Collapse All

- Introduction
- Lab and Demo Files
- Course Overview
- Part Enhancements
- Advanced Part Enhancements
- Sketcher Enhancements
- Assembly Enhancements
  - Introduction
  - Zone Enhancements
  - Axis Alignment Enhancements
  - Clipped State Enhancements
  - Frozen Component Enhancements
  - Assembly Family Table Enhancemer
  - Simplified Representation Enhancen
  - Global Reference Viewer
  - Replace Component Enhancements
  - **Component Transparency Enha**
    - Lecture
    - Demonstration
    - Procedure
  - Active Component Enhancements
  - Check Your Knowledge
- Drawing Enhancements
- Sheetmetal Enhancements
- Retake Assessment

1. Procedure: Component Transparency Enhancements

Scenario

Apply the Transparent Display style components of an assembly.

transparency   transparency.asm

Task 1.   Apply the Transparent Display style to the engine block front and rear components.

1. Select the cylinder.prt.
   - Click **View > Display Style > Transparent**.

2. Press CTRL and select the eng_block_rear.prt and the eng_block_front.prt.
   - Click **View > Display Style > Transparent**.
   - Notice that the transparency color is based on the existing model color

New Precision LMS Capability - LearningConnector

>Seamless connection from your work to learning

>Access short eLearning topics while working within PTC products

>Leverage comprehensive technical support Knowledge Base

>Dynamic content delivery based on your current activity

>Rigorously mapped for specific, accurate results

PTC University LearningConnector

POINT. CLICK. LEARN…
Directly from your Pro/ENGINEER Desktop

Design and Learn – Simultaneously

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PTCUniversity Sweden
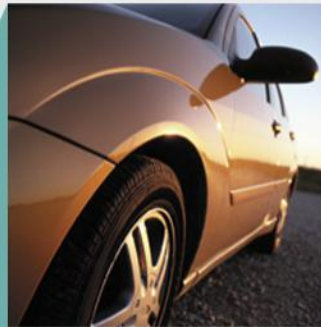
PTC Students expect their productivity to increase 63% on PTC software after training!*

Bar chart — Expected productivity increase % by Country:
- Denmark: ~61%
- France: ~63%
- Germany: ~66%
- Italy: ~50%
- Norway: ~75%
- Sweden: ~62%
- Switzerland: ~67%
- United Kingdom: ~64%
- Belgium: ~46%
- Spain: ~40%

Y-axis: **Expected productivity increase %** (0% – 80%)
X-axis: **Country**
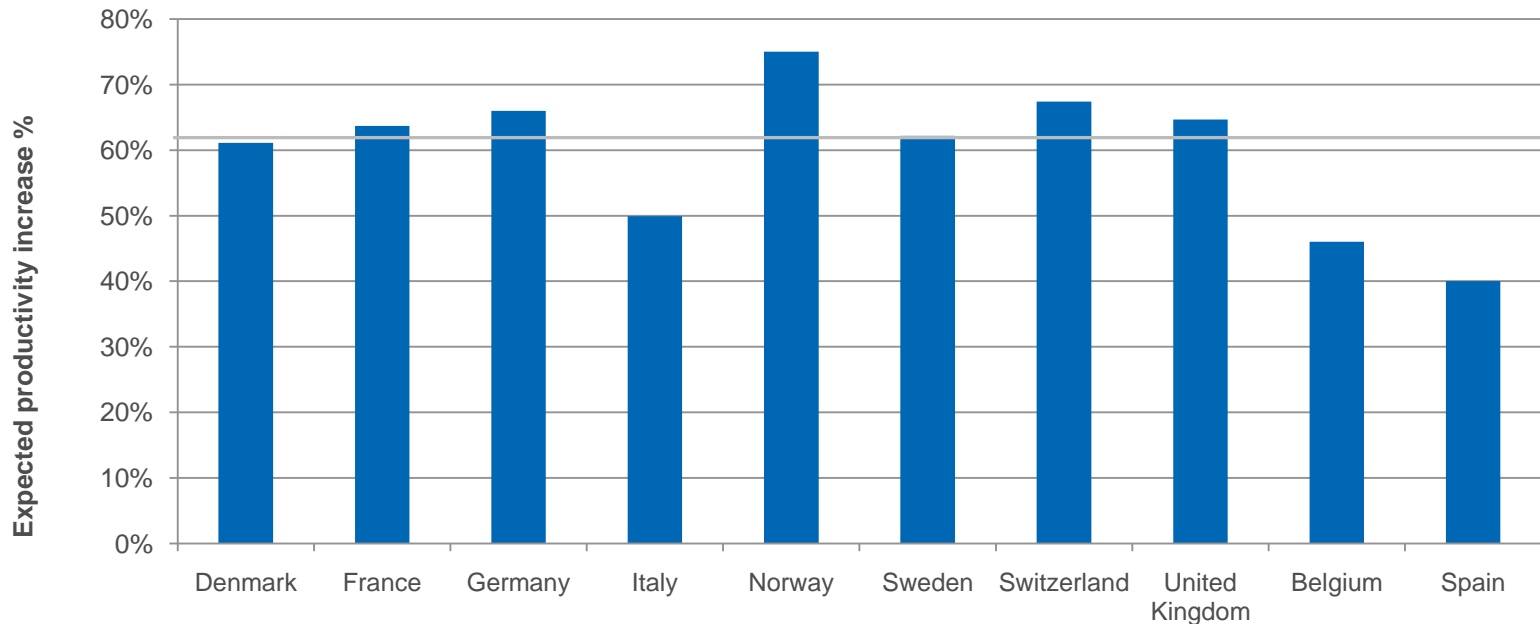
" *The material covered in the training class was exactly what I expected and needed to learn. The instructor was able to address any issues promptly and effectively.*"
- Staff Engineer, Stryker Instruments

" *The course had excellent hands-on lab work, both step-by-step for initial learning and less structured project work to get us thinking independently*"
- Sr. Engineer, Elliott Company

* Based on Customer Satisfaction survey completed by 2,500 students taking PTC Training Classes between April 1/09 and March 313/10.

PTC University Content and Infrastructure

eLearning Libraries

- **4,000 hours of quality content**
- **Supports all PTC Product lines**
- **Short, easy to use modules**
- **Assessments, reporting, measurement**

Precision Learning Programs

- **Training Needs Analysis & Planning**
- **Configured or Custom Content**
- **Role-based Learning Paths**
- Best Practice Academy

Instructor-Led Training

- **Thousands of Topics**
- **400+ Certified Trainers worldwide**
- **Traditional & Virtual Classes**
- **Public or Private**

- **Precision LMS**
- **Certified Instructor Program**
- **Modular Content Development**
- **Precision Learning Methodology**

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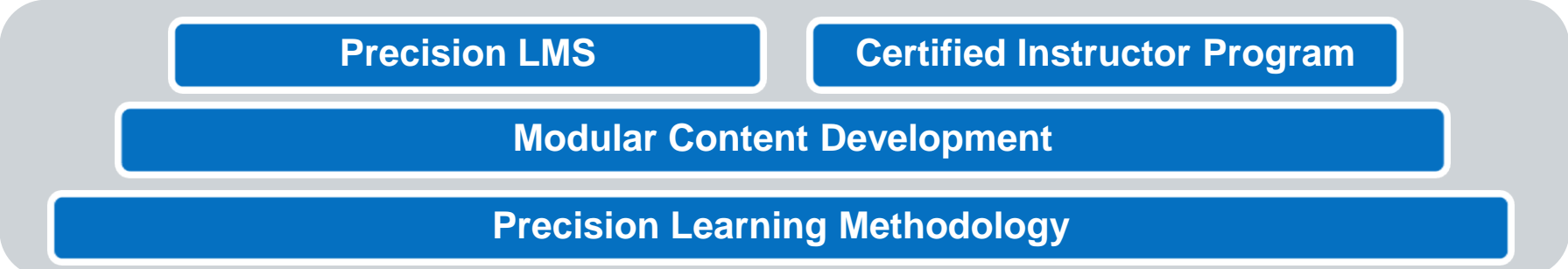
Instructor-led training delivered online

- Same superior content and instruction as traditional instructor-led classes
  - Right blend of lectures, demonstrations, hands-on instruction, and assessments
  - Available in 9 languages

- Learn while working – ½ day sessions enable application of new skills immediately after a class
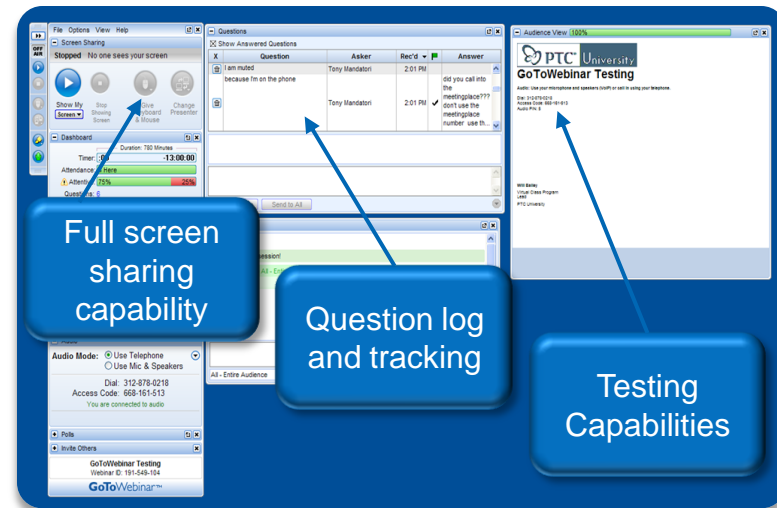
Achieve more value from your training

- 15% reduction in total cost of training due to no travel costs
- 20% reduction in user downtime
  - No travel to / from class
  - Able to balance work / training

Full screen sharing capability

Question log and tracking

Testing Capabilities

Pro/E Wildfire Update Class

Advanced Assembly Topics

Advanced Detailing

Customer roles & requirements

PTC University Expertise

Configured Course
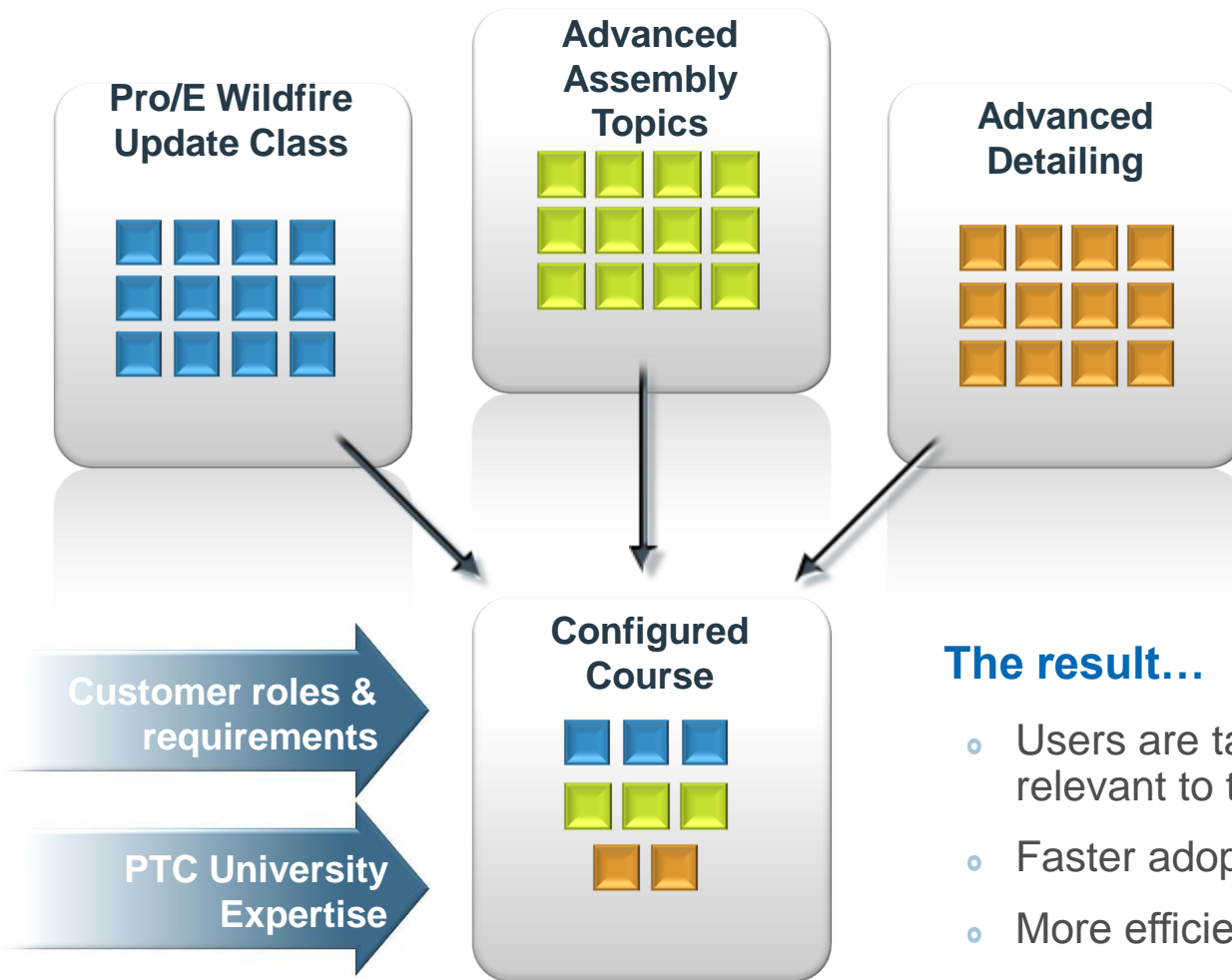
The result…

- Users are taught *only* material that's relevant to their job

- Faster adoption

- More efficient use of student's time

Be a [Pro] ENGINEER with PTC University

> [Be Progressive]
- Innovate your designs and thinking

> [Be Proficient]
- Discover timesaving tips, tricks, and tools

> [Be Proactive]
- Enhance your skills, productivity and results

> [Be Particular]
- Learn from the experts

> [Be Precise]
- Know everything you need for your role

Are you a [Pro] ENGINEER?

PTC® University

PTC University [Pro] ENGINEER Expert Tracks

PTC®

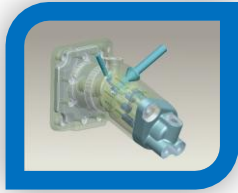**[Pro] Design Engineer**

[Pro] Routed Systems Designer

[Pro] Conceptual Designer

[Pro] Assembly Designer

[Pro] Detailer
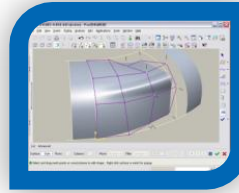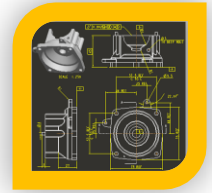
[Pro] Design Engineer	[Pro] Routed Systems Designer	[Pro] Conceptual Designer	[Pro] Assembly Designer	[Pro] Detailer
Advanced Modeling	**Intro. Routed Systems Designer**	**Surface Modeling**	**Advanced Assembly Management**	**Detailing**
Behavioral Modeling	**Cabling**	**Freeform Surface Modeling**		
Mechanism Design	**Piping**			
Mechanism Simulation				

- *All Tracks require either Intro or Update to Pro/ENGINEER Wildfire 4.0 or 5.0*
- *[Pro] Design Engineer, [Pro] Routed Systems Designer and [Pro] Conceptual Designer Expert Tracks require 2 additional modules / courses*

Swedish Homepage

http://www.ptc.com/go/ptcusweden/

- Johanna Dimitriadis
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    - 031 87 76 92

- Ditt förstahandsval för PTC utbildning
- Kunniga och certifierade instruktörer
- Flexibla utbildningsalternativ

Hur förblir du konkurrenskraftig i vår föränderliga globala värld?

Du arbetar med komplex produktutveckling i en global miljö, ditt företag behöver kompetent personal, som inte bara är välutbildad utan även innovativ och handlingskraftig. Ju bättre du kan tillgodose dig PTCs produkter, ju innovativare kan du vara i din produktutveckling.

Hos PTC University kan du lära dig allt om PTCs produkter!

PTC Universitys utbildningar leds av certifierade, pedagogiska instruktörer. Endast PTC University har tillgång till PTCs produktutveckling och konsultorganisation. Det säkerställer att din utbildning innehåller den senaste informationen och de bäst anpassade övningarna.

Visste du att då du deltar i en PTC lärarledd standardkurs får du tillgång till samma kurs som eLearning

- under ett helt år utan extra kostnad!

Är du uppdaterad inom Pro/ENGINEER? Testa dina kunskaper här

Nordic_Training_Schedule_Juli_December_2010.pdf - Adobe Reader

File Edit View Document Tools Window Help

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Nordics - Training Schedule JULY - DECEMBER 2010

Training Information/Registration Contacts
Rasmus Thomsen - Inside Sales - Nordics: +46 31 877 692/ rthomsen@ptc.com
Pia Eriksen - Training Supervisor - Nordics: +45 43 27 06 00/ periksen@ptc.com

Pls. fax signed Registration form to +45 43 43 90 99 or e-mail periksen@ptc.com

If the class you need is not scheduled then please let us know and we will organise one for you

Pro/ENGINEER Wildfire 5.0 Courses

Course	Code	Length	Price	Location	Jul	Aug	Sep	Okt	Nov	Dec
Introduction to Pro/Engineer Wildfire 5.0	TRN-2232	5 days	SEK 16,500	Göteborg		30				
				Stockholm				4		6
				Lund				11	29	
				Skellefteå						
			NOK 14,000	Sandvika		16	13			6
Advanced Modeling with Pro/ENGINEER Wildfire 5.0	TRN-2238	3 days	SEK 9,900	Göteborg			13			1
				Stockholm		23			22	
				Lund				4		
				Skellefteå						6
Advanced Assembly Design with Pro/ENGINEER Wildfire 5.0	TRN-2234	3 days	SEK 9,900	Göteborg				18		
				Stockholm			20			15
				Lund		30			8	
				Skellefteå						
Sheetmetal Design with Pro/Engineer Wildfire 5.0	TRN-2240	2 days	SEK 6,600	Göteborg				21		13
				Stockholm			16		25	
				Lund						

start   Nordic_Training_Sche...   SV Search Desktop   22:37

PTC®
the product development company

Thank You