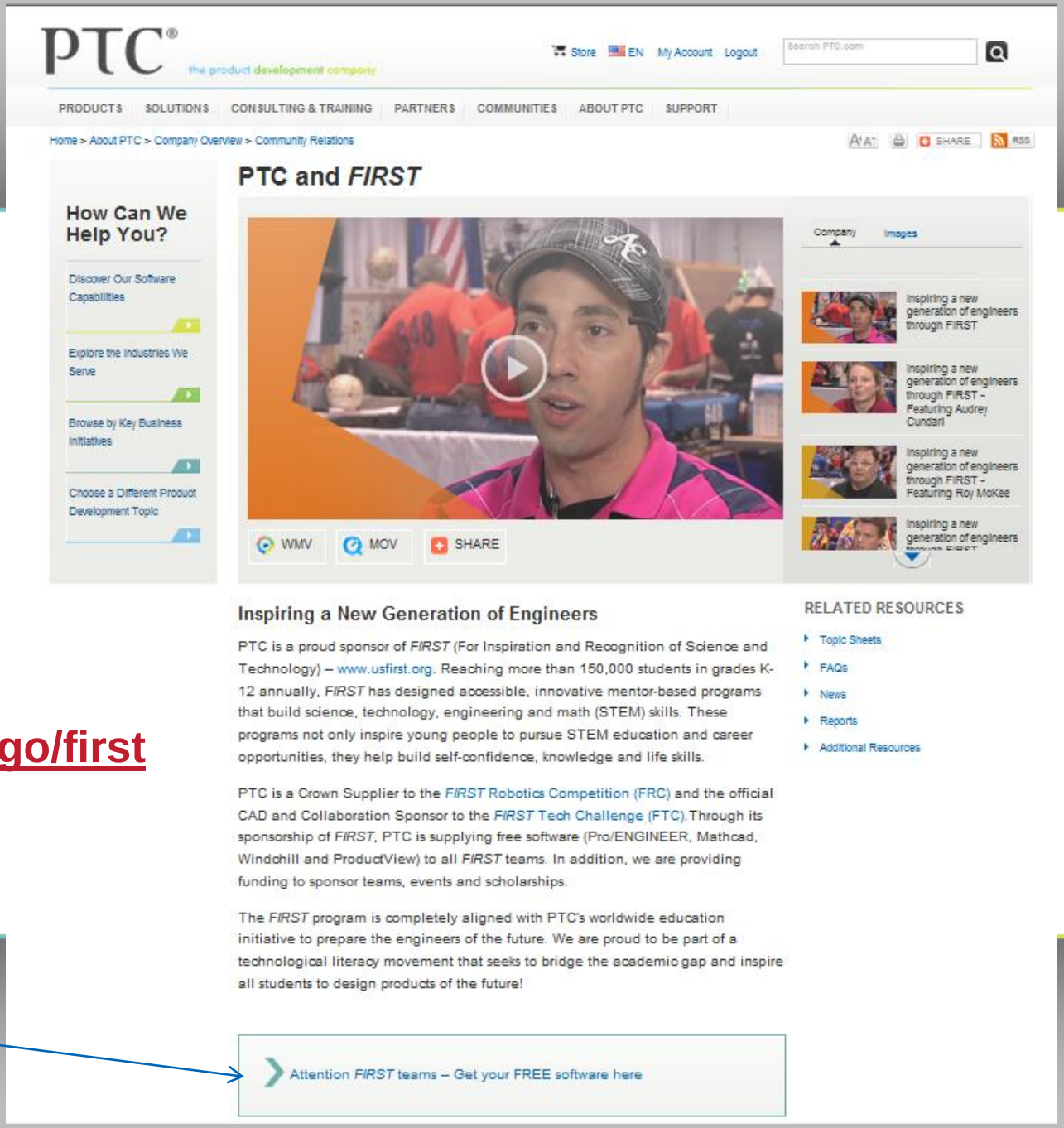
PTC® the product development company

ProjectLink

Getting Started with PTC

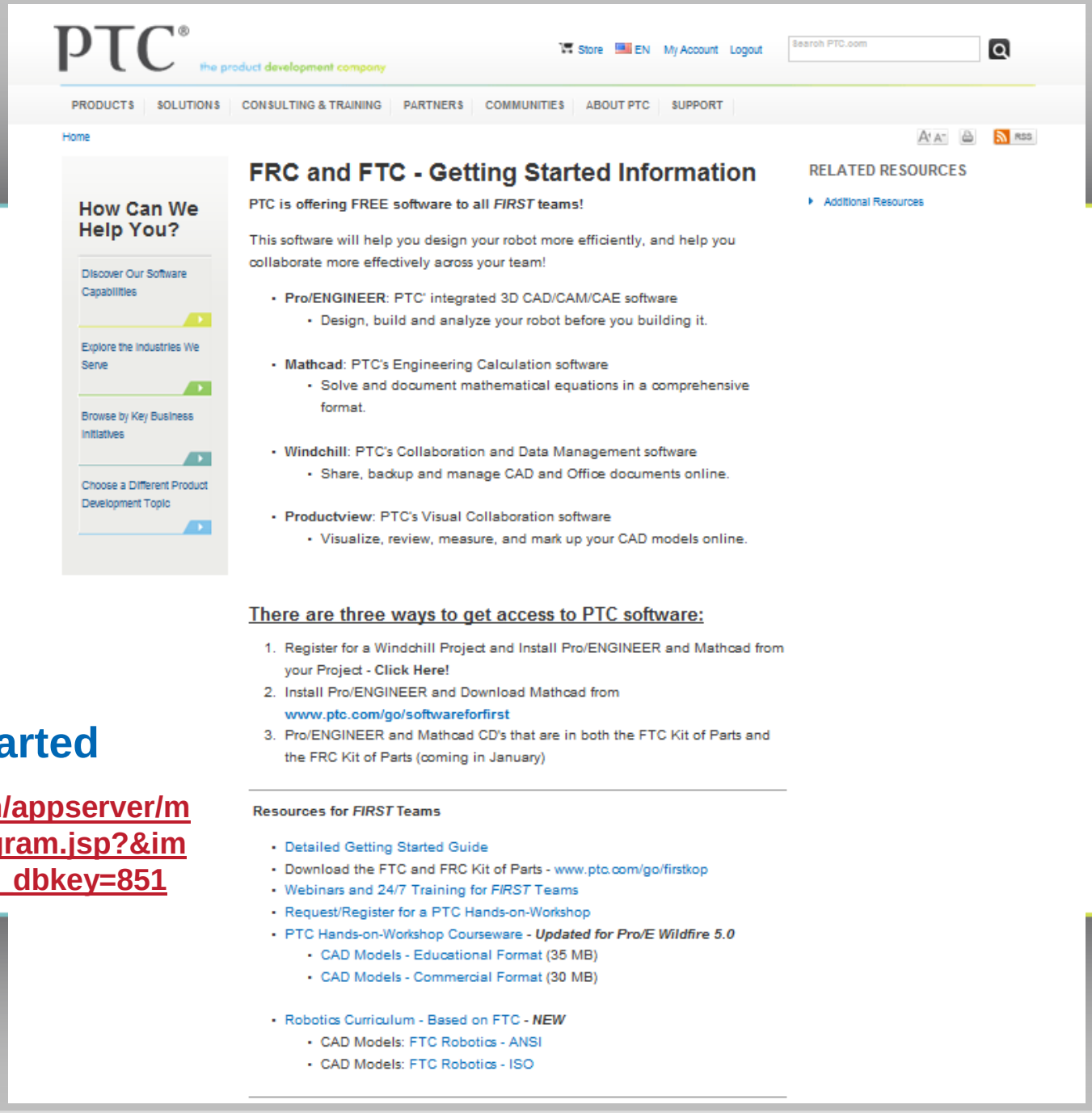
Start Here



www.ptc.com/go/first

Click Here

Software and Resources



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PRODUCTS SOLUTIONS CONSULTING & TRAINING PARTNERS COMMUNITIES ABOUT PTC SUPPORT

Home

How Can We Help You?

- Discover Our Software Capabilities
- Explore the Industries We Serve
- Browse by Key Business Initiatives
- Choose a Different Product Development Topic

FRC and FTC - Getting Started Information

PTC is offering FREE software to all *FIRST* teams!

This software will help you design your robot more efficiently, and help you collaborate more effectively across your team!

- **Pro/ENGINEER**: PTC' integrated 3D CAD/CAM/CAE software
  - Design, build and analyze your robot before you building it.
- **Mathcad**: PTC's Engineering Calculation software
  - Solve and document mathematical equations in a comprehensive format.
- **Windchill**: PTC's Collaboration and Data Management software
  - Share, backup and manage CAD and Office documents online.
- **Productview**: PTC's Visual Collaboration software
  - Visualize, review, measure, and mark up your CAD models online.

There are three ways to get access to PTC software:

1. Register for a Windchill Project and Install Pro/ENGINEER and Mathcad from your Project - **Click Here!**
2. Install Pro/ENGINEER and Download Mathcad from **www.ptc.com/go/softwareforfirst**
3. Pro/ENGINEER and Mathcad CD's that are in both the FTC Kit of Parts and the FRC Kit of Parts (coming in January)

Resources for *FIRST* Teams

- Detailed Getting Started Guide
- Download the FTC and FRC Kit of Parts - www.ptc.com/go/firstkop
- Webinars and 24/7 Training for *FIRST* Teams
- Request/Register for a PTC Hands-on-Workshop
- PTC Hands-on-Workshop Courseware - ***Updated for Pro/E Wildfire 5.0***
  - CAD Models - Educational Format (35 MB)
  - CAD Models - Commercial Format (30 MB)
- Robotics Curriculum - Based on FTC - ***NEW***
  - CAD Models: FTC Robotics - ANSI
  - CAD Models: FTC Robotics - ISO

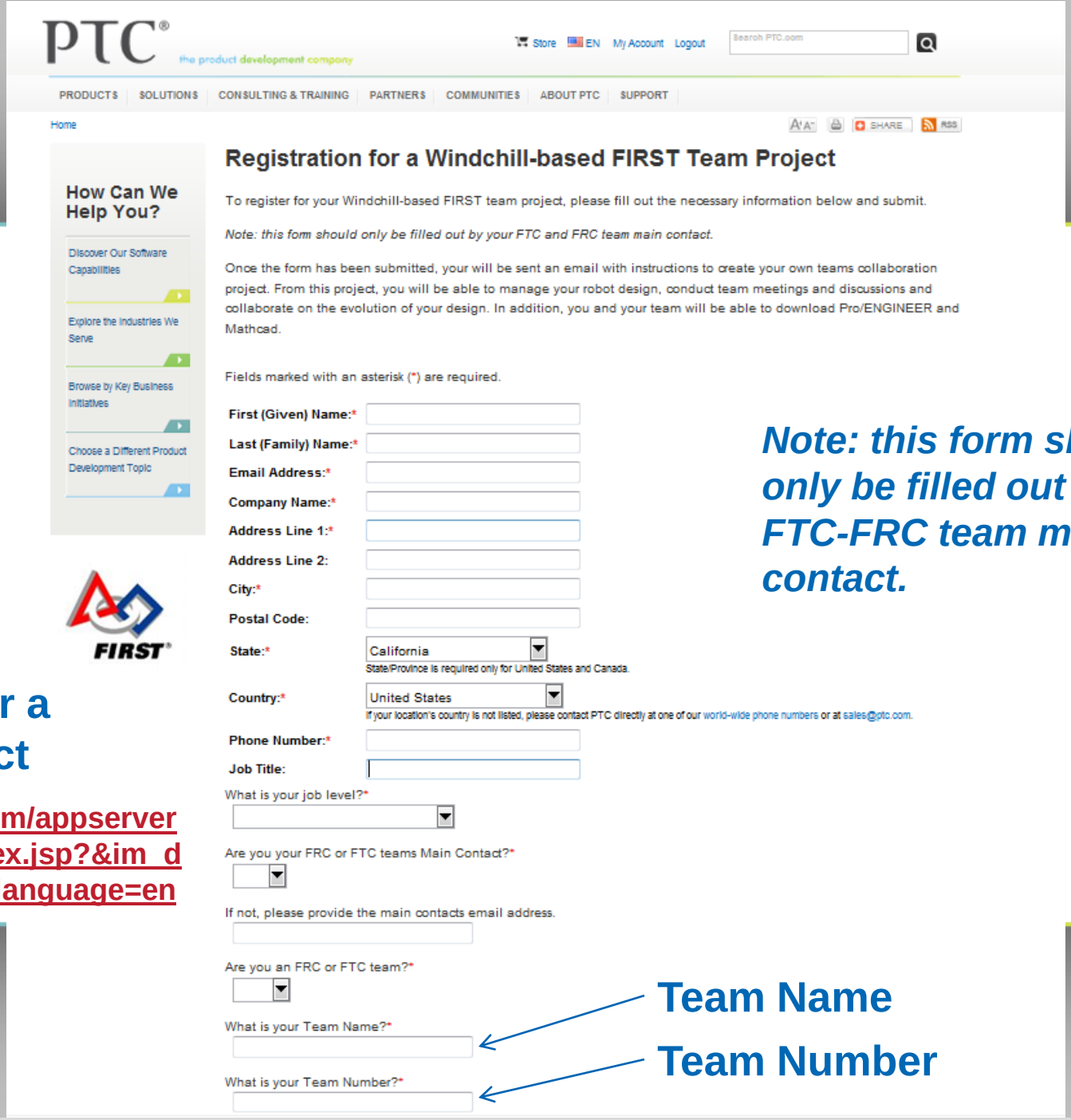
RELATED RESOURCES

- Additional Resources

Getting Started

http://www.ptc.com/appserver/mkt/educational/program.jsp?&im_dbkey=76335&icg_dbkey=851

Register Here



Note: this form should only be filled out by your FTC-FRC team main contact.

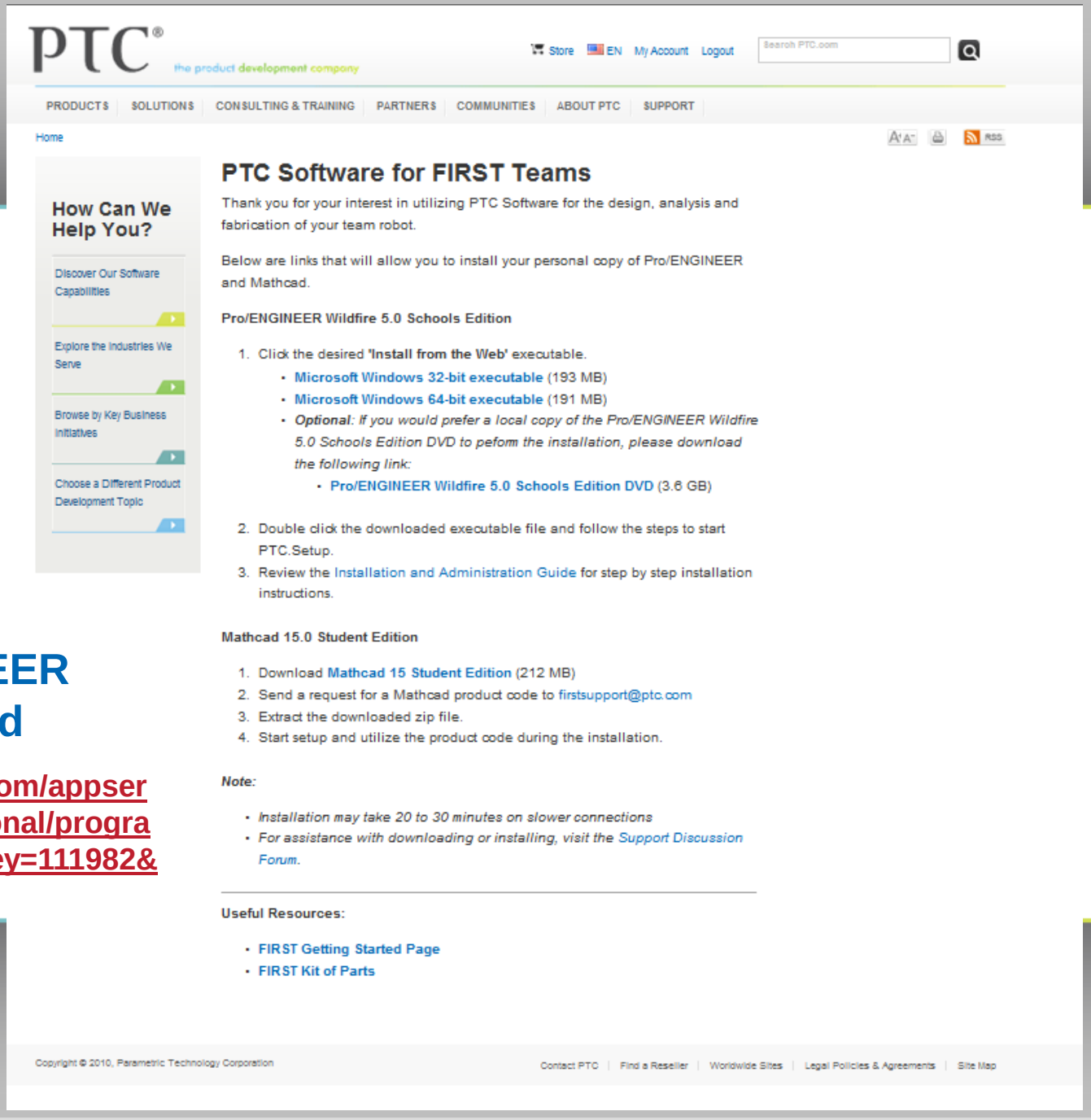
Register for a team project

http://www.ptc.com/appserver/wcms/forms/index.jsp?&im_dbkey=76331&im_language=en

Team Name

Team Number

Install Software Here



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PTC Software for FIRST Teams

Thank you for your interest in utilizing PTC Software for the design, analysis and fabrication of your team robot.

Below are links that will allow you to install your personal copy of Pro/ENGINEER and Mathcad.

Pro/ENGINEER Wildfire 5.0 Schools Edition

1. Click the desired **'Install from the Web'** executable.
   - **Microsoft Windows 32-bit executable** (193 MB)
   - **Microsoft Windows 64-bit executable** (191 MB)
   - ***Optional**: If you would prefer a local copy of the Pro/ENGINEER Wildfire 5.0 Schools Edition DVD to peform the installation, please download the following link:*
     - **Pro/ENGINEER Wildfire 5.0 Schools Edition DVD** (3.6 GB)
2. Double click the downloaded executable file and follow the steps to start PTC.Setup.
3. Review the Installation and Administration Guide for step by step installation instructions.

Mathcad 15.0 Student Edition

1. Download **Mathcad 15 Student Edition** (212 MB)
2. Send a request for a Mathcad product code to firstsupport@ptc.com
3. Extract the downloaded zip file.
4. Start setup and utilize the product code during the installation.

Note:

- *Installation may take 20 to 30 minutes on slower connections*
- *For assistance with downloading or installing, visit the Support Discussion Forum.*

Useful Resources:

- **FIRST Getting Started Page**
- **FIRST Kit of Parts**

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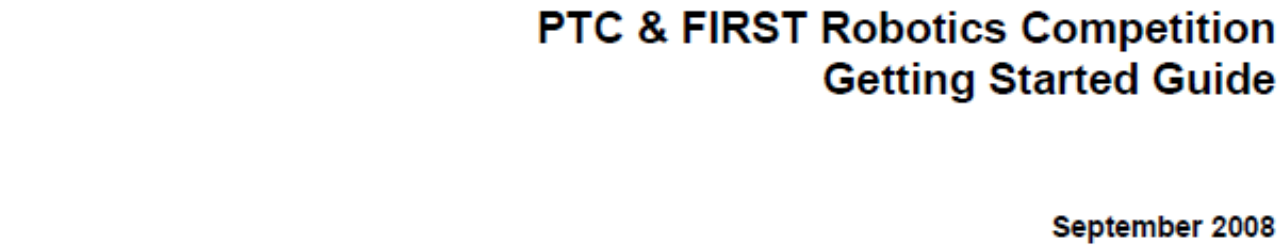
Install Pro/ENGINEER and Mathcad

http://www.ptc.com/appserver/mkt/educational/program.jsp?&im_dbkey=111982&icg_dbkey=851

PTC

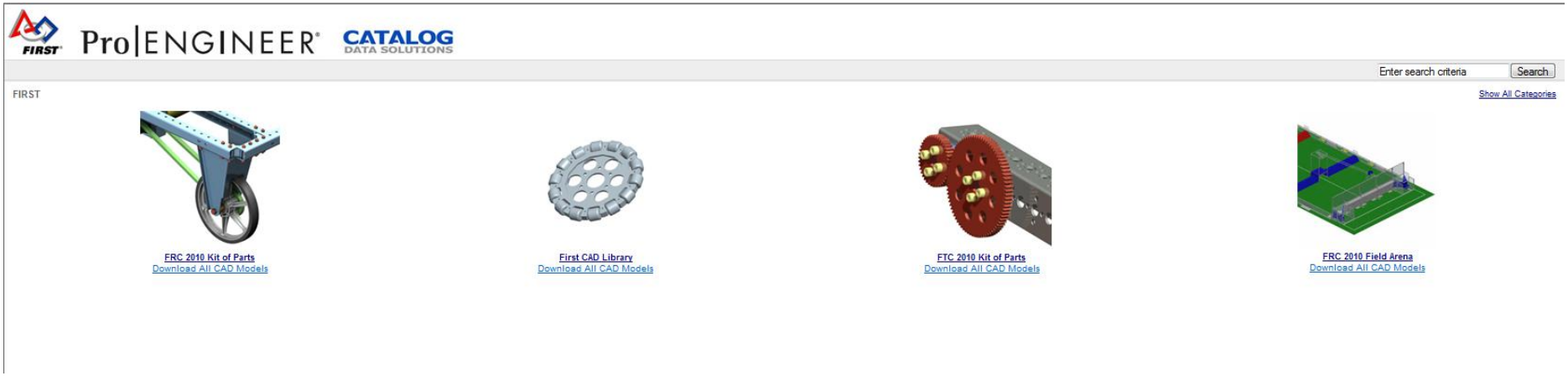

PTC & FIRST Robotics Competition
Getting Started Guide

September 2008

Detailed Getting Started Guide (ProjectLink)

http://www.ptc.com/WCMS/files/77175/en/Getting_started_guide.pdf

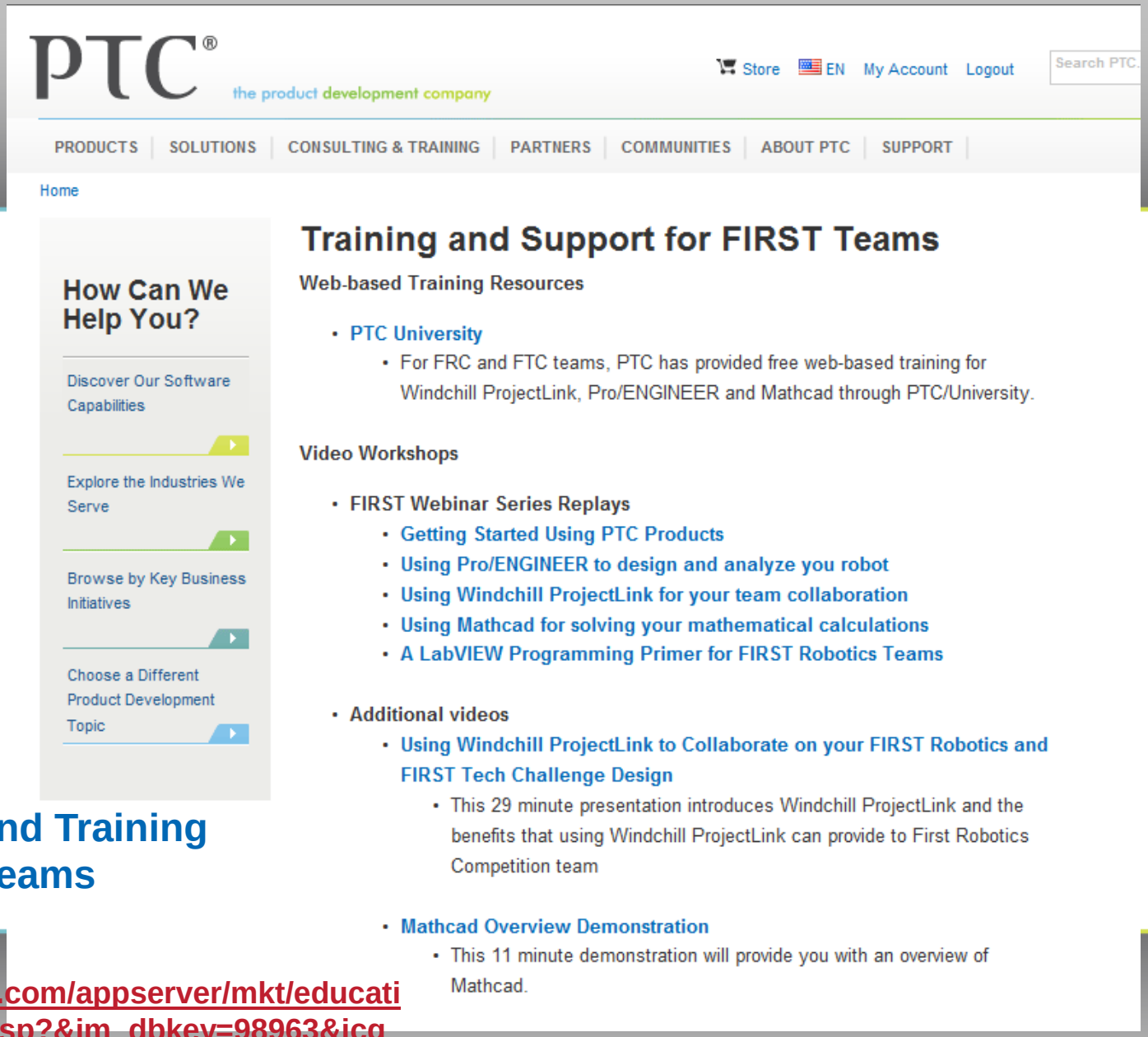
Pro/E – FIRST Libraries



Download Kit of Parts

http://www.catalogds.com/db/service?d=first&c=browse

Training



Webinars and Training for FIRST Teams

http://www.ptc.com/appserver/mkt/educational/program.jsp?&im_dbkey=98963&icg_dbkey=851

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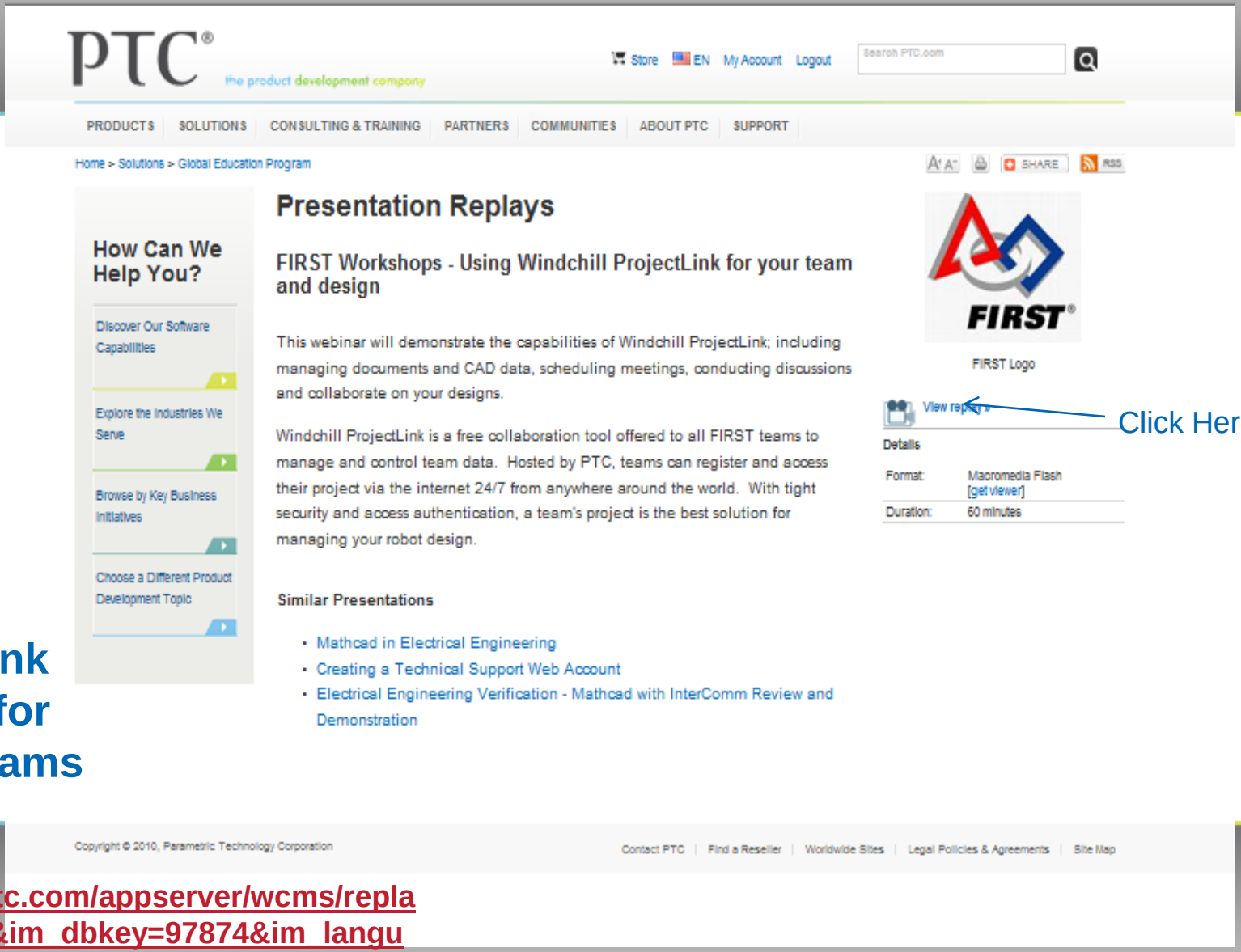
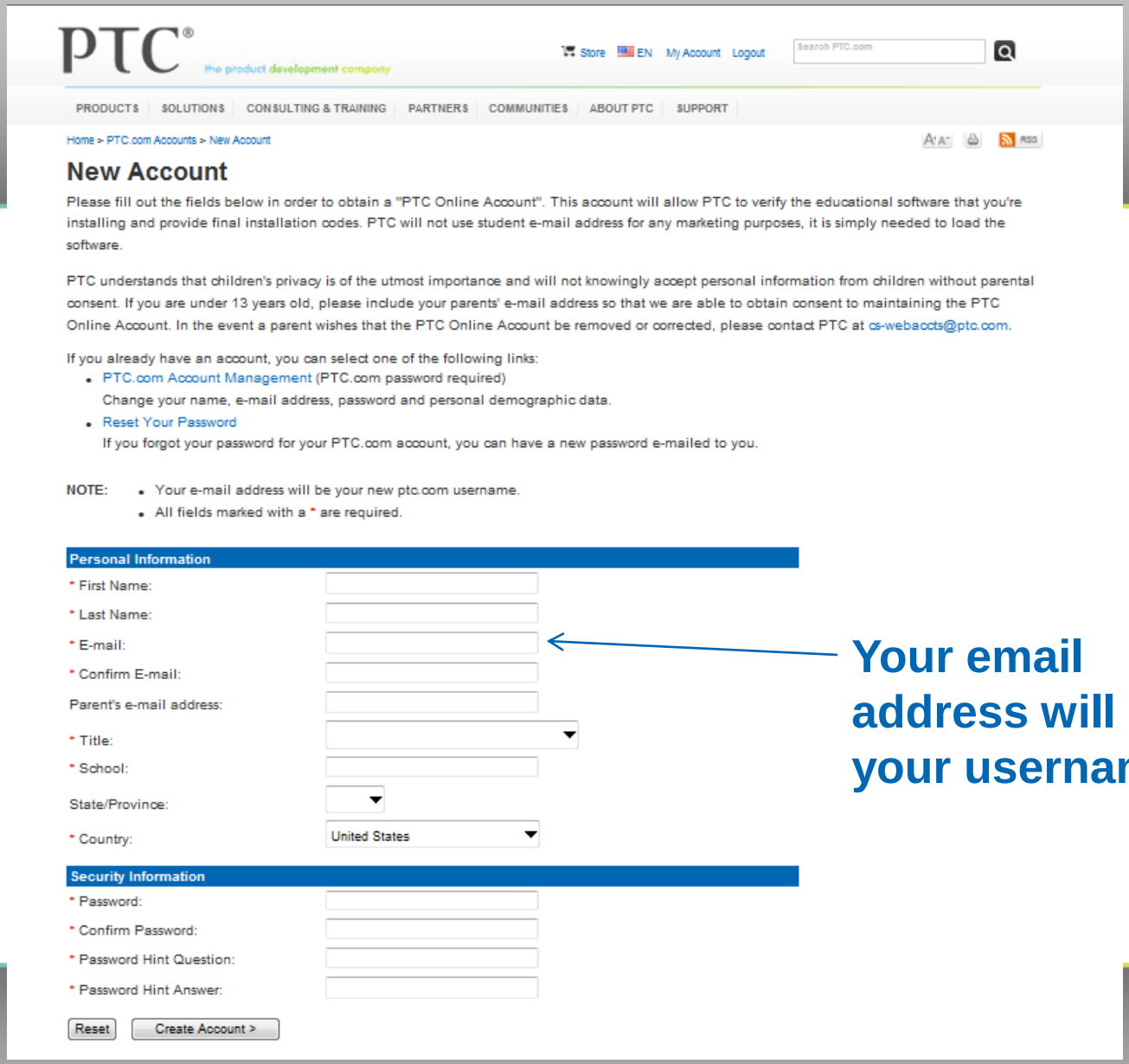
ProjectLink Training for FIRST Teams



http://www.ptc.com/appserver/wcms/replay/index.jsp?&im_dbkey=97874&im_language=en

Users

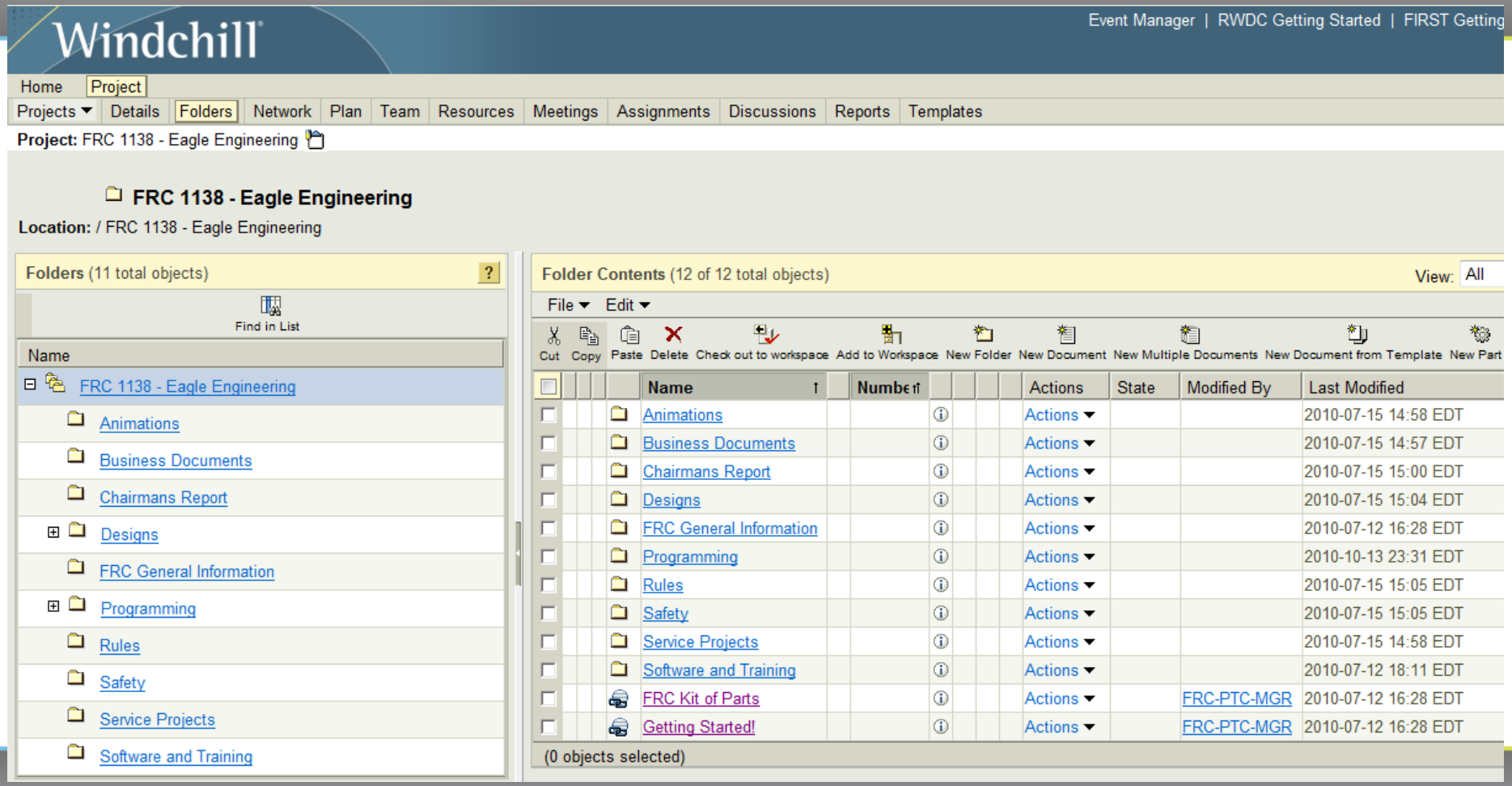


Your email address will be your username

Creating User Accounts

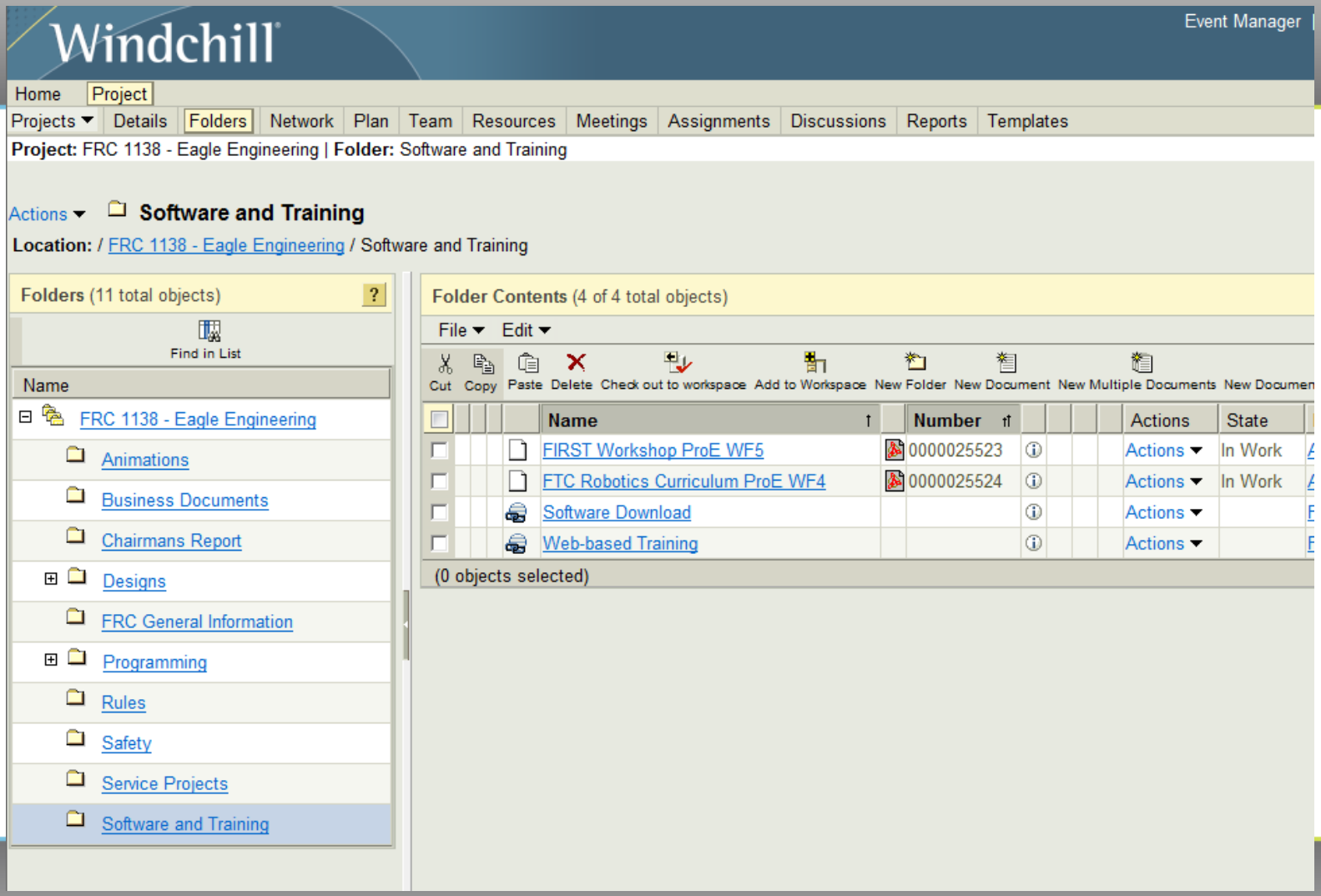
https://www.ptc.com/appserver/common/account/student.jsp

Your Team Project



https://first.ptc.com/Windchill

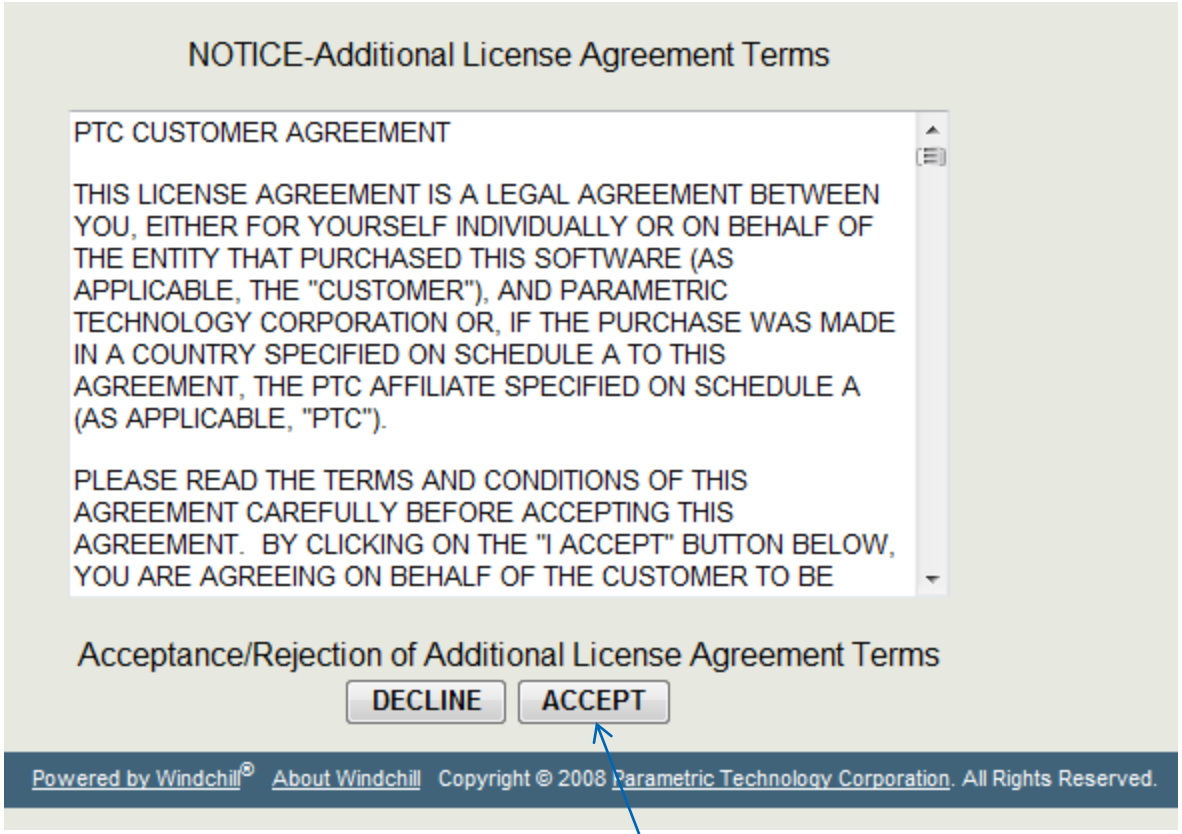
Your Project - Links



Software Download (Pro/ENGINEER, Mathcad)

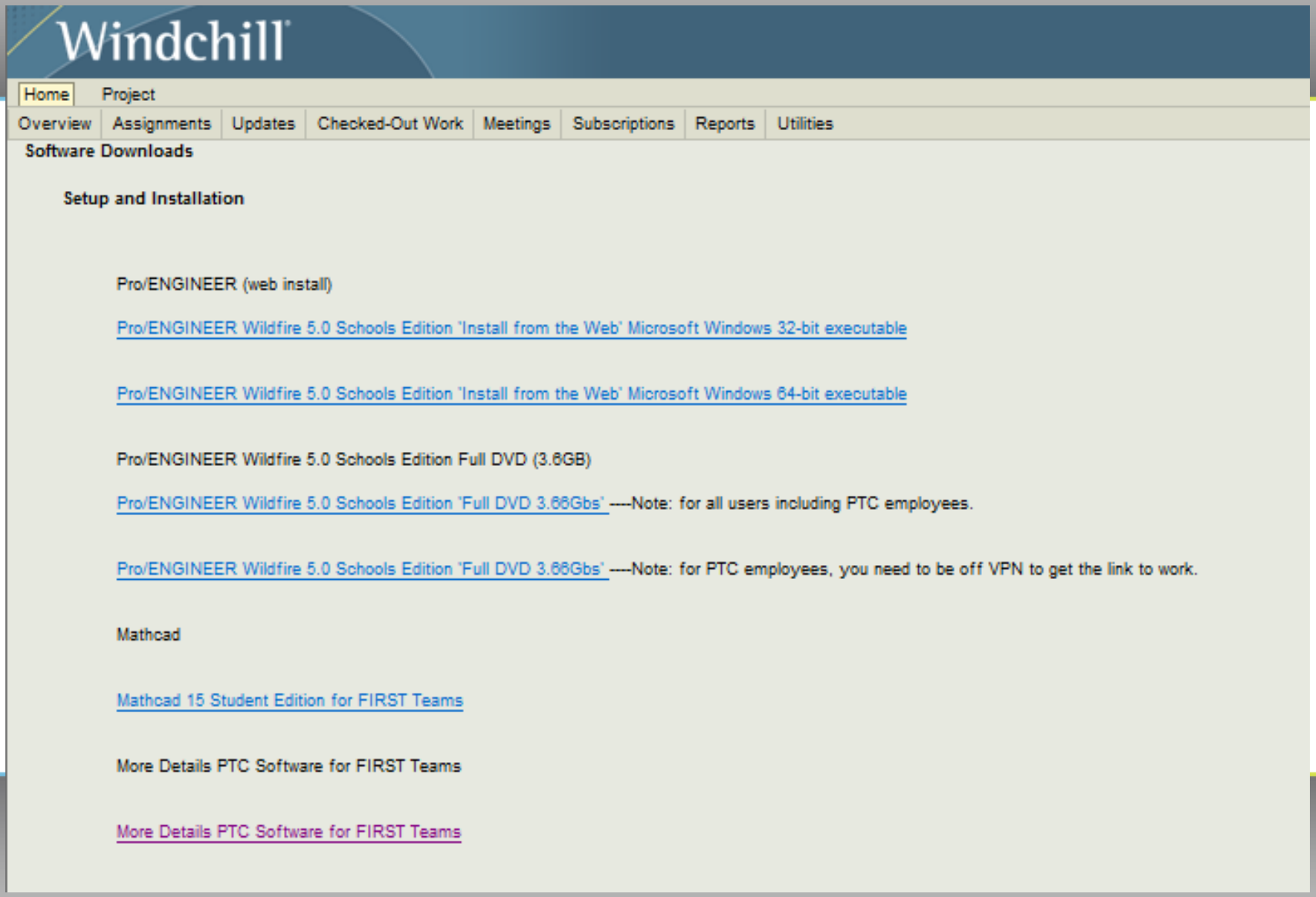
Web Based Training

Accessing Software Download



Select ACCEPT

Pro/ENGINEER – Mathcad Download



Other Software Download

Other Application:

Bootstrap Loader Installation If your network does not allow Windchill applets to communicate with Windchill servers, this package will provide alternative means to do so. Please contact your IT department for assistance and t
ProductView Installation Request the online installation of the ProductView visualization client.
Windchill Desktop Integration 2.0 Installation Install this tool to manage your Windchill documents in Microsoft applications such as Microsoft Word, Excel, PowerPoint, Outlook and Windows Explorer.
Windchill Desktop Integration 2.0 Installation (64-Bit) Install this tool to manage your Windchill documents in Microsoft applications such as Microsoft Word, Excel, PowerPoint, Outlook and Windows Explorer on a 64-bit OS.

Project Management Integrated interfaces that exchange data with project management authoring tools.
PTC Plug-in for Microsoft Project Exchange plan information between Windchill ProjectLink and Microsoft Project.
Supported Versions: Microsoft Project 2003, 2007
Supported Operating Systems: Windows XP (Professional Edition only) and Windows Vista.
Supported File Types: .MPP
Supported Information: tasks, summary tasks, milestones, resources, constraints, cost, effort, duration, status

Technical Illustration
Arbortext IsoView Install Arbortext IsoView to allow viewing of IsoDraw illustrations through ProductView.

Windchill Workgroup Managers
Windchill Workgroup Manager to connect the following applications to Windchill:
Mathcad, NX, SolidWorks, AutoCAD, AutoCAD Electrical, AutoCAD Mechanical, Autodesk Inventor, CATIA V5, Arbortext IsoDraw, CoCreate Drafting and CADDS 5

Windchill Workgroup Manager for ECAD to connect the following applications to Windchill:
Cadence, Mentor Graphics, Zuken, Pro/ENGINEER Routed Systems Designer.
Users Guide