

ProjectLink



Getting Started with PTC

Start Here

PTC® the product development company

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PTC and FIRST

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



WMV MOV SHARE

Company Images

- Inspiring a new generation of engineers through FIRST
- Inspiring a new generation of engineers through FIRST - Featuring Audrey Cundari
- Inspiring a new generation of engineers through FIRST - Featuring Roy McKee
- Inspiring a new generation of engineers through FIRST

Inspiring a New Generation of Engineers

PTC is a proud sponsor of *FIRST* (For Inspiration and Recognition of Science and Technology) – www.usfirst.org. Reaching more than 150,000 students in grades K-12 annually, *FIRST* has designed accessible, innovative mentor-based programs that build science, technology, engineering and math (STEM) skills. These programs not only inspire young people to pursue STEM education and career opportunities, they help build self-confidence, knowledge and life skills.

PTC is a Crown Supplier to the *FIRST* Robotics Competition (FRC) and the official CAD and Collaboration Sponsor to the *FIRST* Tech Challenge (FTC). Through its sponsorship of *FIRST*, PTC is supplying free software (Pro/ENGINEER, Mathcad, Windchill and ProductView) to all *FIRST* teams. In addition, we are providing funding to sponsor teams, events and scholarships.

The *FIRST* program is completely aligned with PTC's worldwide education initiative to prepare the engineers of the future. We are proud to be part of a technological literacy movement that seeks to bridge the academic gap and inspire all students to design products of the future!

RELATED RESOURCES

- Topic Sheets
- FAQs
- News
- Reports
- Additional Resources

Click Here → [Attention FIRST teams – Get your FREE software here](#)

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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's 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.

RELATED RESOURCES

▶ [Additional Resources](#)

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](#)

Getting Started

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

Register
Here



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Registration for a Windchill-based FIRST Team Project

To register for your Windchill-based FIRST team project, please fill out the necessary information below and submit.

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

Once the form has been submitted, you will be sent an email with instructions to create your own teams collaboration project. From this project, you will be able to manage your robot design, conduct team meetings and discussions and collaborate on the evolution of your design. In addition, you and your team will be able to download Pro/ENGINEER and Mathcad.

Fields marked with an asterisk (*) are required.

First (Given) Name:*

Last (Family) Name:*

Email Address:*

Company Name:*

Address Line 1:*

Address Line 2:

City:*

Postal Code:

State:*

State/Province is required only for United States and Canada.

Country:*

If your location's country is not listed, please contact PTC directly at one of our world-wide phone numbers or at sales@ptc.com.

Phone Number:*

Job Title:

What is your job level?*

Are you your FRC or FTC teams Main Contact?* ☐

If not, please provide the main contacts email address.

Are you an FRC or FTC team?* ☐

What is your Team Name?*

What is your Team Number?*

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_dkey=76331&im_language=en

Team Name
Team Number

Install Software Here

Install Pro/ENGINEER and Mathcad

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

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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

- 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 perform the installation, please download the following link:*
 - Pro/ENGINEER Wildfire 5.0 Schools Edition DVD (3.6 GB)
- Double click the downloaded executable file and follow the steps to start PTC.Setup.
- Review the [Installation and Administration Guide](#) for step by step installation instructions.

Mathcad 15.0 Student Edition

- Download [Mathcad 15 Student Edition](#) (212 MB)
- Send a request for a Mathcad product code to firstsupport@ptc.com
- Extract the downloaded zip file.
- 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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PTC & FIRST Robotics Competition Getting Started Guide

September 2008

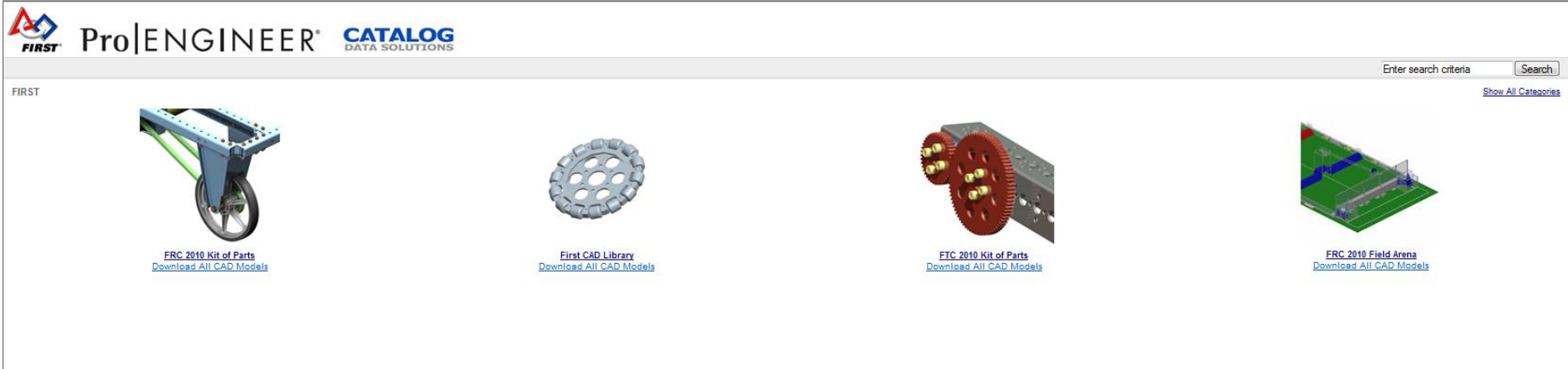
**Detailed Getting
Started Guide
(ProjectLink)**

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



www.ptc.com

Pro/E – FIRST Libraries



Download Kit of Parts

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

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Training and Support for FIRST Teams

Web-based Training Resources


- **PTC University**
 - For FRC and FTC teams, PTC has provided free web-based training for Windchill ProjectLink, Pro/ENGINEER and Mathcad through PTC/University.

Video Workshops

- **FIRST Webinar Series Replays**
 - [Getting Started Using PTC Products](#)
 - [Using Pro/ENGINEER to design and analyze you robot](#)
 - [Using Windchill ProjectLink for your team collaboration](#)
 - [Using Mathcad for solving your mathematical calculations](#)
 - [A LabVIEW Programming Primer for FIRST Robotics Teams](#)
- **Additional videos**
 - [Using Windchill ProjectLink to Collaborate on your FIRST Robotics and FIRST Tech Challenge Design](#)
 - This 29 minute presentation introduces Windchill ProjectLink and the benefits that using Windchill ProjectLink can provide to First Robotics Competition team
 - [Mathcad Overview Demonstration](#)
 - This 11 minute demonstration will provide you with an overview of Mathcad.


Webinars and Training for FIRST Teams

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






the product development company

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Presentation Replays


FIRST Workshops - Using Windchill ProjectLink for your team and design

This webinar will demonstrate the capabilities of Windchill ProjectLink; including managing documents and CAD data, scheduling meetings, conducting discussions and collaborate on your designs.


Windchill ProjectLink is a free collaboration tool offered to all FIRST teams to manage and control team data. Hosted by PTC, teams can register and access their project via the internet 24/7 from anywhere around the world. With tight security and access authentication, a team's project is the best solution for managing your robot design.

Similar Presentations

- [Mathcad in Electrical Engineering](#)
- [Creating a Technical Support Web Account](#)
- [Electrical Engineering Verification - Mathcad with InterComm Review and Demonstration](#)



FIRST Logo

 [View replay](#)

[Click Here](#)

Details

Format:	Macromedia Flash [get viewer]
Duration:	60 minutes

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ProjectLink Training for FIRST Teams

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

New Account

Please fill out the fields below in order to obtain a "PTC Online Account". This account will allow PTC to verify the educational software that you're installing and provide final installation codes. PTC will not use student e-mail address for any marketing purposes, it is simply needed to load the software.

PTC understands that children's privacy is of the utmost importance and will not knowingly accept personal information from children without parental consent. If you are under 13 years old, please include your parents' e-mail address so that we are able to obtain consent to maintaining the PTC Online Account. In the event a parent wishes that the PTC Online Account be removed or corrected, please contact PTC at cs-webacts@ptc.com.

If you already have an account, you can select one of the following links:

- [PTC.com Account Management](#) (PTC.com password required)

Change your name, e-mail address, password and personal demographic data.

- [Reset Your Password](#)

If you forgot your password for your PTC.com account, you can have a new password e-mailed to you.

- NOTE:
- Your e-mail address will be your new ptc.com username.
 - All fields marked with a * are required.

Personal Information

* First Name:	<input type="text"/>
* Last Name:	<input type="text"/>
* E-mail:	<input type="text"/>
* Confirm E-mail:	<input type="text"/>
Parent's e-mail address:	<input type="text"/>
* Title:	<input type="text"/>
* School:	<input type="text"/>
State/Province:	<input type="text"/>
* Country:	<input type="text" value="United States"/>

Security Information

* Password:	<input type="text"/>
* Confirm Password:	<input type="text"/>
* Password Hint Question:	<input type="text"/>
* Password Hint Answer:	<input type="text"/>

[Reset](#)[Create Account >](#)

Your email address will be your username

Creating User Accounts

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


Your Team Project


Windchill®

Event Manager | RWDC Getting Started | FIRST Getting Started


Home | **Project**


Projects ▾ | Details | **Folders** | Network | Plan | Team | Resources | Meetings | Assignments | Discussions | Reports | Templates














Project: FRC 1138 - Eagle Engineering 

 **FRC 1138 - Eagle Engineering**

Location: / FRC 1138 - Eagle Engineering












Folders (11 total objects) 


























Find in List

Name
 FRC 1138 - Eagle Engineering
 Animations
 Business Documents
 Chairmans Report
  Designs
 FRC General Information
  Programming
 Rules
 Safety
 Service Projects
 Software and Training

Folder Contents (12 of 12 total objects) View: All

File ▾ | Edit ▾

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Name	↑	Number	↑	<input type="checkbox"/>	<input type="checkbox"/>	Actions	State	Modified By	Last Modified
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	 Animations						Actions ▾			2010-07-15 14:58 EDT
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	 Business Documents						Actions ▾			2010-07-15 14:57 EDT
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	 Chairmans Report						Actions ▾			2010-07-15 15:00 EDT
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	 Designs						Actions ▾			2010-07-15 15:04 EDT
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	 FRC General Information						Actions ▾			2010-07-12 16:28 EDT
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	 Programming						Actions ▾			2010-10-13 23:31 EDT
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	 Rules						Actions ▾			2010-07-15 15:05 EDT
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	 Safety						Actions ▾			2010-07-15 15:05 EDT
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	 Service Projects						Actions ▾			2010-07-15 14:58 EDT
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	 Software and Training						Actions ▾			2010-07-12 18:11 EDT
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	 FRC Kit of Parts						Actions ▾		FRC-PTC-MGR	2010-07-12 16:28 EDT
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	 Getting Started!						Actions ▾		FRC-PTC-MGR	2010-07-12 16:28 EDT

(0 objects selected)

<https://first.ptc.com/Windchill>

The screenshot shows the Windchill Project interface. The top navigation bar includes 'Home' and 'Project'. Below it, a menu bar contains 'Projects', 'Details', 'Folders', 'Network', 'Plan', 'Team', 'Resources', 'Meetings', 'Assignments', 'Discussions', 'Reports', and 'Templates'. The main header displays 'Project: FRC 1138 - Eagle Engineering | Folder: Software and Training'. The left sidebar shows a tree view of folders under 'FRC 1138 - Eagle Engineering', with 'Software and Training' selected. The right pane shows the 'Folder Contents' for 'Software and Training', listing four objects: 'FIRST Workshop ProE WF5', 'FTC Robotics Curriculum ProE WF4', 'Software Download', and 'Web-based Training'. Each object has a 'Number' and an 'Actions' link.

Windchill Event Manager

Home **Project**

Projects ▾ Details **Folders** Network Plan Team Resources Meetings Assignments Discussions Reports Templates

Project: FRC 1138 - Eagle Engineering | Folder: Software and Training

Actions ▾ **Software and Training**

Location: / [FRC 1138 - Eagle Engineering](#) / Software and Training

Folders (11 total objects) ?

Find in List

Name

- [FRC 1138 - Eagle Engineering](#)
 - [Animations](#)
 - [Business Documents](#)
 - [Chairmans Report](#)
 - [Designs](#)
 - [FRC General Information](#)
 - [Programming](#)
 - [Rules](#)
 - [Safety](#)
 - [Service Projects](#)
 - [Software and Training](#)**

Folder Contents (4 of 4 total objects)

File ▾ Edit ▾

Cut Copy Paste Delete Check out to workspace Add to Workspace New Folder New Document New Multiple Documents New Document

	Name	Number	Actions	State
<input type="checkbox"/>	FIRST Workshop ProE WF5	0000025523	Actions ▾	In Work
<input type="checkbox"/>	FTC Robotics Curriculum ProE WF4	0000025524	Actions ▾	In Work
<input type="checkbox"/>	Software Download		Actions ▾	
<input type="checkbox"/>	Web-based Training		Actions ▾	

(0 objects selected)

Software Download (Pro/ENGINEER, Mathcad)

Web Based Training

NOTICE-Additional License Agreement Terms

PTC CUSTOMER AGREEMENT

THIS LICENSE AGREEMENT IS A LEGAL AGREEMENT BETWEEN YOU, EITHER FOR YOURSELF INDIVIDUALLY OR ON BEHALF OF THE ENTITY THAT PURCHASED THIS SOFTWARE (AS APPLICABLE, THE "CUSTOMER"), AND PARAMETRIC TECHNOLOGY CORPORATION OR, IF THE PURCHASE WAS MADE IN A COUNTRY SPECIFIED ON SCHEDULE A TO THIS AGREEMENT, THE PTC AFFILIATE SPECIFIED ON SCHEDULE A (AS APPLICABLE, "PTC").

PLEASE READ THE TERMS AND CONDITIONS OF THIS AGREEMENT CAREFULLY BEFORE ACCEPTING THIS AGREEMENT. BY CLICKING ON THE "I ACCEPT" BUTTON BELOW, YOU ARE AGREEING ON BEHALF OF THE CUSTOMER TO BE

Acceptance/Rejection of Additional License Agreement Terms

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Select ACCEPT

The screenshot shows the Windchill web interface. At the top is a blue header with the 'Windchill' logo. Below it is a navigation bar with tabs: 'Home' (selected), 'Project', 'Overview', 'Assignments', 'Updates', 'Checked-Out Work', 'Meetings', 'Subscriptions', 'Reports', and 'Utilities'. The main content area is titled 'Software Downloads' and contains a section for 'Setup and Installation'. Under this section, there are links for Pro/ENGINEER (web install), including 32-bit and 64-bit executables, and Full DVD versions (3.6GB). There are also links for Mathcad 15 Student Edition for FIRST Teams and more details for PTC software for FIRST Teams.

Windchill

Home Project

Overview Assignments Updates Checked-Out Work Meetings Subscriptions Reports Utilities

Software Downloads

Setup and Installation

Pro/ENGINEER (web install)

[Pro/ENGINEER Wildfire 5.0 Schools Edition 'Install from the Web' Microsoft Windows 32-bit executable](#)

[Pro/ENGINEER Wildfire 5.0 Schools Edition 'Install from the Web' Microsoft Windows 64-bit executable](#)

Pro/ENGINEER Wildfire 5.0 Schools Edition Full DVD (3.6GB)

[Pro/ENGINEER Wildfire 5.0 Schools Edition 'Full DVD 3.6GBs'](#) ----Note: for all users including PTC employees.

[Pro/ENGINEER Wildfire 5.0 Schools Edition 'Full DVD 3.6GBs'](#) ----Note: for PTC employees, you need to be off VPN to get the link to work.

Mathcad

[Mathcad 15 Student Edition for FIRST Teams](#)

More Details PTC Software for FIRST Teams

[More Details PTC Software for FIRST Teams](#)

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 to

[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 CADD5 5

[Windchill Workgroup Manager for ECAD](#) to connect the following applications to Windchill:

Cadence, Mentor Graphics, Zuken, Pro/ENGINEER Routed Systems Designer.

[Users Guide](#)