

March 2015 Volume 9, Issue 1

In This Issue

Top Stories

[Autodesk Defines Their Strategy at OTC 2015](#)

[D3 Now Provides Structural Solutions](#)

[Recap of Dallas Automation Lunch & Learn](#)

[Selling Slightly Used 3D Printers at Huge Discount](#)

[New User Training Plans: 12 Months Unlimited Training](#)

[Tech Blog: AutoCAD Electrical Efficiency Tools \(View PDF\)](#)

[D3's New Employees](#)

[Employee Spotlight](#)

Autodesk Promotions

[AutoCAD LT Promo](#)

Industry & Autodesk News

[Desktop Subscription - Pay As You Go](#)

[Autodesk Roadmap Moving Forward for HSM CAM](#)

[Humanizing Technology and Democratizing Mobility](#)

Upcoming Events

[Get CAD Training in a Virtual Classroom](#)

[Continuous Educational Webinar Series](#)

[Plant 3D Lunch & Learn Events](#)

[Mastering Simulation FEA Full-Day Free Training](#)

[CAM Happy Hour](#)

[D3 to Be Present at the Industrial & Tool Show in Tulsa](#)

Autodesk Defines Their Strategy at OTC 2015

This week at One Team sale conference, Autodesk defined their strategy for the future of design. At the heart of the message was a challenge to its partners...**"make sure your clients are preparing for disruptive technology."**

So we ask you, how are you adapting your design strategies to incorporate the new technologies? Better yet, how aware are you of what is available?

Your answers may cause you to be concerned. Did you know D3 is the top design automation partner with a vast level of experience in the complete digital prototyping story?

Want to discuss more? [Let us know.](#)

[Back to Top](#)

Special Offers

Congratulations to Steven Rodriguez, Valerie Hawn, Kurtis Gann, & Brice Ehmke our most recent tablet winners! Attend a webinar in our [educational webinar](#) series to be entered.



Got friends who use SolidWorks? Tell them about the DP Challenge! 1 of 500 SolidWorks users who takes the Challenge will **WIN this Harley!**



[Send them here to register](#)



Join us for a FREE Plant 3D Lunch & Learn on **March 12th** in Dallas, TX



Attend a Simulation FEA Seminar on **March 24th** in Baton Rouge, LA



Join us for CAM Happy Hour on **April 9th** in St. Louis, MO



[Contact Us](#) today to learn about our promotions and special offers on software, hardware, or training.

You can always visit our Website or Social Network pages to learn about promotions or special events. Click the icons below to visit the pages:



Quick Links

[D3 Website](#)
[Careers at D3](#)
[Promotions](#)
[Events Calendar](#)

D3 Now Provides Structural Solutions

We are pleased to announce that D3 is now providing Structural Solutions, specifically in the Plant & Piping industry (platforms, stairsâ€¦i.e. Miscellaneous Steel). Autodesk's Advance Steel is built on the familiar AutoCAD software platform you are already used to. Intelligent 3D modeling tools within the program help you to accelerate accurate design & detailing, and speed time to fabrication and construction by automatically generating shop drawings and deliverables. Features include:



- A library of intelligent parametric structural elements, steel connections, and plates.
- Model custom elements and connections
- Automatically generate shop and general arrangement drawings
- Create bills of material (BOMs)
- Produce DTSV CNC files directly from your designs.

Attend the [30-minute webinar](#) to learn more about Advance Steel, March 17th

[Contact us](#) if you are interested in learning more about Advance Steel and how it will help your company design faster and better structures.

[Back to Top](#)

Recap of Dallas Automation Lunch & Learn

On January 14th, D3 hosted an educational Automation Lunch & Learn session aimed at helping clients better understand the ability to leverage the intelligence of a 3D model to **automate the quote-to-design process**. The presentation focused on the common tools used (**iLogic, VB, .Net**), their challenges and road blocks compared to Autodesk's ETO tool, used for a more sophisticated approach. ETO tears down the barriers held by the other solutions and opens up the clients' options to take solutions to market. D3 has the unique role of helping develop the ETO tool and is known as the leader in the use and development of this technology.



Contact [Daryl Price](#) if you would like more information on how your manufacturing company can automate its quote-to-design process.

[Back to Top](#)

Selling Slightly Used 3D Printers at Huge Discount

D3 is selling two of its 3D Systems 3D printers at a HUGE discount. These printers are demo units that are in "like new" condition and only **very slightly used**. If you've been on the fence about having your own 3D Printer in-house for physical prototyping, now's the time as this is a rare opportunity.



ZPrinter 450 - Includes installation and training and a cost saving of \$20,000 off SRP.

ProJet 3500 HD Plus - Produces injection molded looking parts and includes installation and training and a cost saving of \$30,000 off SRP.

Contact [Barbara Miller-Webb](#) or [Troy Beck](#) if you would like more information on the 3D printers.

[View PDF Flyer](#)

[Back to Top](#)

New User Training Plans: 12 Months Unlimited Training



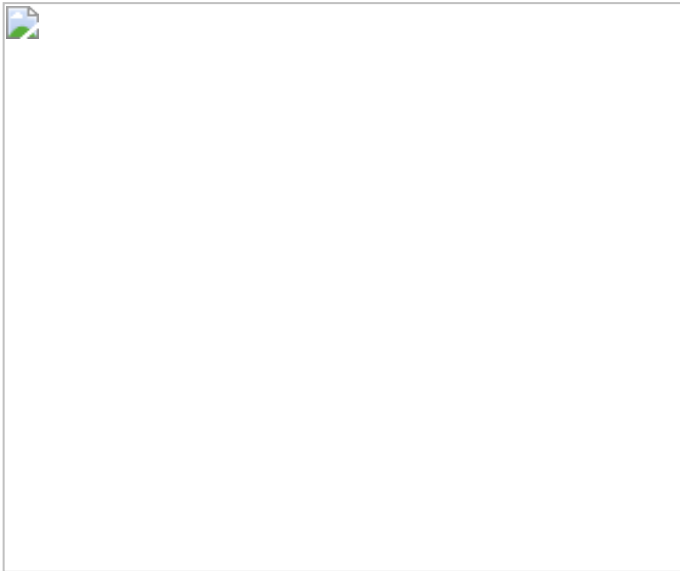
Employees are a major asset of any company, and providing professional training can turn those employees into a competitive advantage. CAD software isn't 100% intuitive, which means getting a new user trained properly on the software is important to them doing their job effectively. Our **New User Training Plans** are designed for customer success by allowing for **any classes in the plan to be taken as many times as needed** in a 12 month period. Courses included are the core classes, some advanced training, along with private mentoring that is dedicated to your world.

The New User Training Plans are:

- Autodesk AutoCAD Essentials
- Autodesk Inventor Essentials
- Autodesk AutoCAD Electrical Essentials

For more information on D3's New User Training Plans, contact [Adam Hulett](#)

Watch the 2-minute brainshark too see how employee training can save your company time and money and decrease employee turnover:



[Back to Top](#)

Tech Blog: AutoCAD Electrical Efficiency Tools

Now that we have been using AutoCAD Electrical in industry for a while, let's see what we can do to squeeze more productivity out of the software. In this blog, we will be reviewing a few tools that you may not be aware are available in AutoCAD Electrical:

- Copy Catalog Assignment
- Copy Installation/Location Code
- Project Sub-Folders
- Drawing List Display Configuration
- Mark/Verify DWGs

[Read the Full Blog Here...](#)

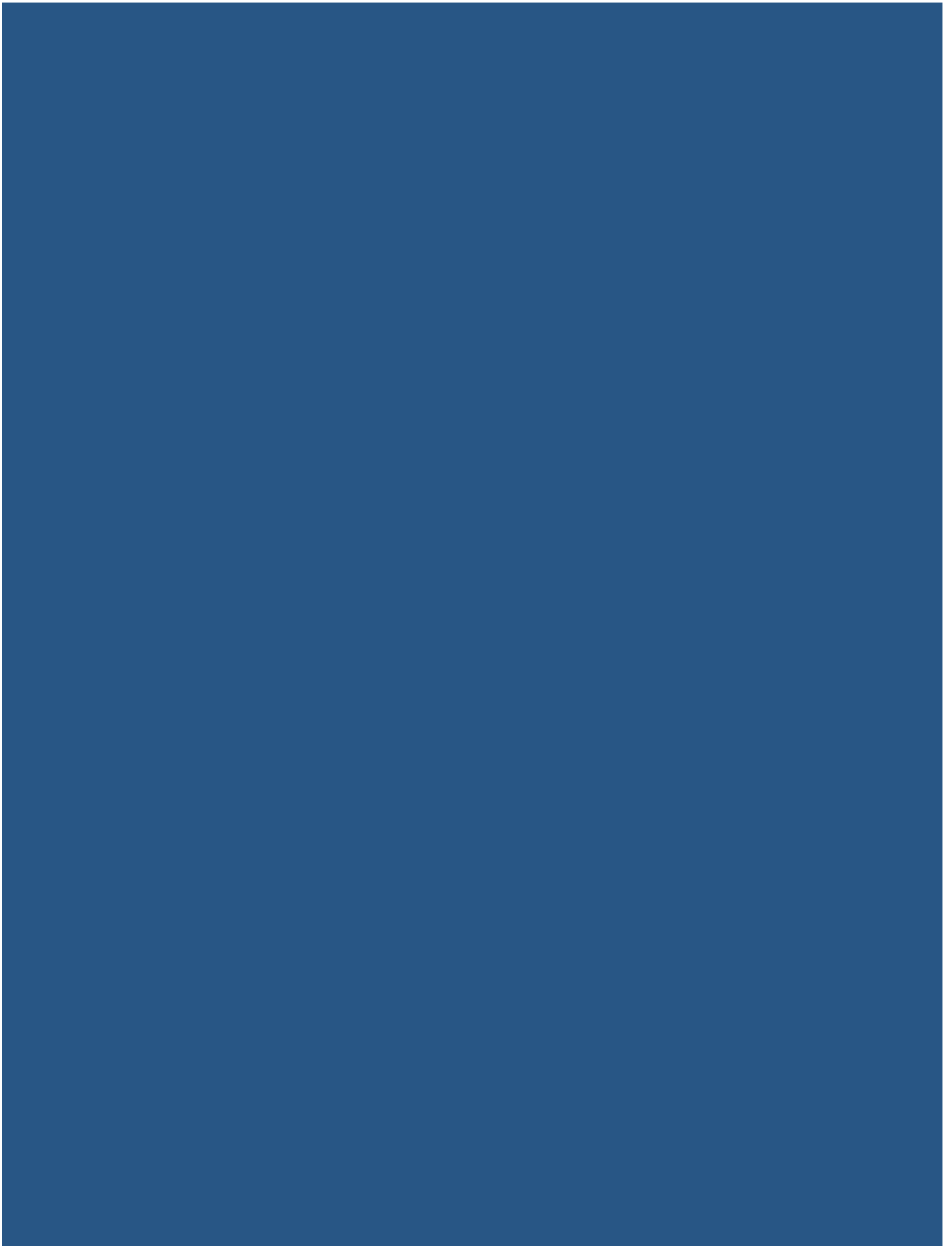
[Back to Top](#)

D3's New Employees

D3 recently welcomed Solution Executive, Darren Bobbitt, and Contract Coordinator, Erin Hurd, to the team.

Darren Bobbitt





Create drawings with the essential drafting tools using TrustedDWG™ technology in Autodesk® AutoCAD LT® Family software. Stay current with the latest full-featured 2D drafting tools. Act by **January 23, 2015** and **get 15 months for the price of 12 months** when you purchase an annual AutoCAD LT term license plan. The AutoCAD LT term license plan you purchase will be an AutoCAD LT Desktop Subscription* (which includes a term license for AutoCAD LT software and associated benefits).

If you have any questions about the AutoCAD LT promo or Autodesk pricing policy changes, please [contact](#) your local D3 representative.

[Back to Top](#)

Desktop Subscription - Pay As You Go

Ever wished you could just rent a software license only when you need it? Now you can!

It's never been easier to get the Autodesk software you want with a variety of purchase options to meet the unique needs of your business. Autodesk Desktop Subscription allows you to pay as you go with quarterly or annual access to select Autodesk software products and suites.

Desktop Subscription provides you with the ability to easily respond to changing business needs. Whether you have budget constraints, increased workflow, or changes to your headcount, a flexible Desktop Subscription allows you to address these changes head-on.

To learn more about Desktop Subscription, please [contact](#) your local D3 representative.

[Back to Top](#)

Autodesk Roadmap Moving Forward for HSM CAM



As many of you know, Autodesk recently added **5-Axis CAM** to Inventor HSM Pro allowing more complex shapes to be machined in a single set-up. This is just the start of several exciting new features that are scheduled to come out in the near future following the release of Inventor HSM 2016 in April:

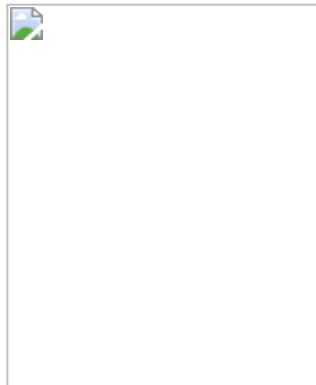
Inventor HSM

- April - Inventor HSM 2016: Release of **Turning** capabilities
- June - Release of **Fabrication** capabilities
- September - Release of **Mill/Turn** capabilities

Autodesk Fusion

- June - Release of **Turning** capabilities
- September - Release of **Fabrication** capabilities

To learn more about the new features to be released within Inventor HSM and Fusion, please [contact](#) your local D3 representative.



If you are interested in learning more about Autodesk's integrated CAM solution, sign up to attend the [HSM CAM webinar](#) happening tomorrow, **March 10th** from 12:00-12:30 CST.

[Back to Top](#)

Humanizing Technology and Democratizing Mobility

Derby was born with a congenital deformity characterized by small forearms and no front paws. Derby was fostered by 3D Systems' teammate Tara Anderson. Because Tara understood first-hand how powerful 3D printing technology could be, she knew it would be possible to utilize it to create prosthetics customized to Derby's unique shape and stride. And she did.

Working with fellow 3DS teammates Kevin Atkins and Dave DiPinto, Tara used data of Derby's forearms and 3D scan data of a cup design to create the prosthetics. The team used [Geomagic Freeform](#) in the design process and then printed them out in an optimized combination of rigid and flexible materials on the [ProJet 5500X](#).

This resulted in the first of its kind, rocker-and-spoke dog prosthetic. But more important, it allowed Derby the Dog to walk and run normally for the first time. Derby's story is a powerful reminder of what's possible with 3D printing, and it has struck a chord with people.



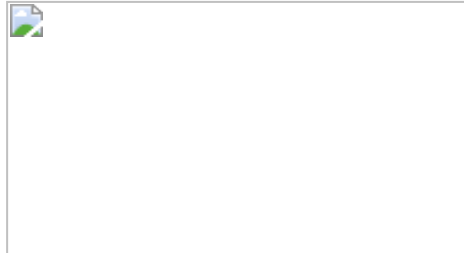
To learn more about how 3D printing can work for your company, please contact [Barbara Miller-Webb](#) or visit the [3D Systems](#) website.

[Back to Top](#)

Get CAD Training in a Virtual Classroom

[See the full calendar](#) to register.

We'd like to take this opportunity to call out our newest Virtual Advanced Training Academy (VAT ACADemy) training courses. These classes are designed to provide training on various software in the Autodesk arsenal that allows you to get trained right from your office or home in a virtual classroom environment. Our newest virtual classes include:



- Revit Families for Architectural and Structural Fundamentals - **March 19th-20th**
- Revit 2015 Architectural Fundamentals for Contractors - **March 30th - 31st**
- Showcase Fundamentals - **April 6th - 7th**
- Inventor Tube & Pipe - **April 27th - 29th**

[Back to Top](#)

Continuous Educational Webinar Series

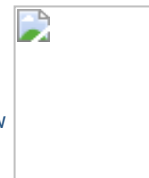
[Register Now](#) for an Upcoming Webinar

11:30 AM - 11:50 AM CST

We are continuing our educational webinar series where we are hosting free webinars that touch many topics around Digital (and Physical) Prototyping. So far, we've hosted seven webinars which have been very well received by customers. To view the past webinar recordings, follow this link and click "Completed" next to the webinar you want to view: [View Past Webinar Recordings](#)

- Completed - **Multi-Jet 3D Printing - Game Changer for Manufacturing**
- Completed - **Simulation Mechanical CFD**
- Completed - **Inventor Factory**
- Completed - **HSM CAM**
- Completed - **Plant 3D**
- March 13 - **Simulation Mechanical FEA**
- March 20 - **Software Asset Management (SAM)**
- March 27 - **Autodesk Showcase**
- April 10 - **AutoCAD Electrical**
- May 8 - **Fusion 360**
- May 22 - **Inventor Publisher**

Each month, we will be giving a **FREE Nexus 7** tablet to one lucky person who attends a webinar that month. Attend 2 webinars to double your chances. Below are the winners we've had so far:



Congratulations to:
Steven Rodriguez, RMS Engineers
Valerie Hawn, Cymstar LLC
Kurtis Gann, ABEC, Inc.
Brice Ehmke, Willbros Downstream LLC

You could be the next winner!

[Back to Top](#)

Plant 3D Lunch & Learn Events

Created for the struggling piping designer, AutoCAD Plant 3D makes creating realistic 3D models of your piping models a reality. Join us for one of our upcoming Plant 3D Lunch and Learns for a complimentary crash course on just how easy we can make it for you.

Plant 3D (Sanitary Piping) Lunch & Learn

[Register](#) for Dallas, TX - March 12th

[Register](#) for Springfield, MO - May 14th

In this Lunch & Learn, we will be focusing on **Sanitary** piping design, but the presentation caters to all piping disciplines.



- From the planning stages of P&ID creation
- Through the output Isometric and Orthographic drawings

You'll see plant design in its finest and most painless form.

- See how your custom models can automatically place in the correct locations with as much effort as it takes to draw a line.
- Watch as your orthographic drawings are placed on a layout much like a block is placed in a drawing.
- Be amazed at how quickly an entire line is placed in the model and then detailed in the isometric form.

Plant 3D (Oil & Gas) Lunch & Learn

[Register](#) for Lafayette, LA - April 16th

In this Lunch & Learn, we will be focusing on **Oil & Gas** piping design, but the presentation caters to all piping disciplines. We will be covering:

- Creating smart P&ID's with the ability to customize symbols as needed.
- Utilizing P&ID data to create detailed plant models and ensure data is consistent across both disciplines.
- Modifying your model using Vanilla AutoCAD commands while not having to delete assets that are correctly placed.
- Outputting detailed Ortho and Iso drawings that are concurrent with the model geometry and update when designs change.
- Publishing customer defined data dumps or reports that match the models database at both a drawing level or the project level.



No more drawing with isometric snaps. Also, come to discover the pure commitment to the future that Autodesk has placed in AutoCAD Plant 3D. No more dual subscriptions and lack of technical support. Make sure you **bring your boss because he won't believe you unless he sees it!**

[Back to Top](#)

Mastering Simulation FEA Full-Day Free Training



Baton Rouge, LA - **March 24th**
Denver, CO - **April 9th**
Dallas, TX - **May 7th**

8:00 AM - 5:00 PM



Last quarter, D3 hosted 3 free training seminars aimed at helping clients better understand the application of **finite element analysis (FEA)** tools within Autodesk Simulation Mechanical. D3 had the privilege of having guest speaker Bart McPheeters, Senior Tech Specialist at Autodesk, present to give expert tips on best practices to help engineers become more successful with simulation.

With the success our past 3 of these events of having **nearly 200 people in attendance** overall, we have already put 3 more of these events on our calendar for Lafayette, Dallas, and Denver!

In these free training seminars, we will be focusing on the application of finite element analysis (FEA) tools. Guests will be given expert tips on best practices and application to help make every engineer successful with simulation. After this software-independent workshop, attendees will be able to answer the following questions:

- How can I determine if I have over-constrained my model?
- Do my loads really represent real-world behavior? Part or Assembly?
- What is the best CAD model to start with? Can I over-simplify?
- When should I use Shells, Beams, Plane Stress or Axisymmetry?
- Do I need nonlinear?
- What result quantity is i□is



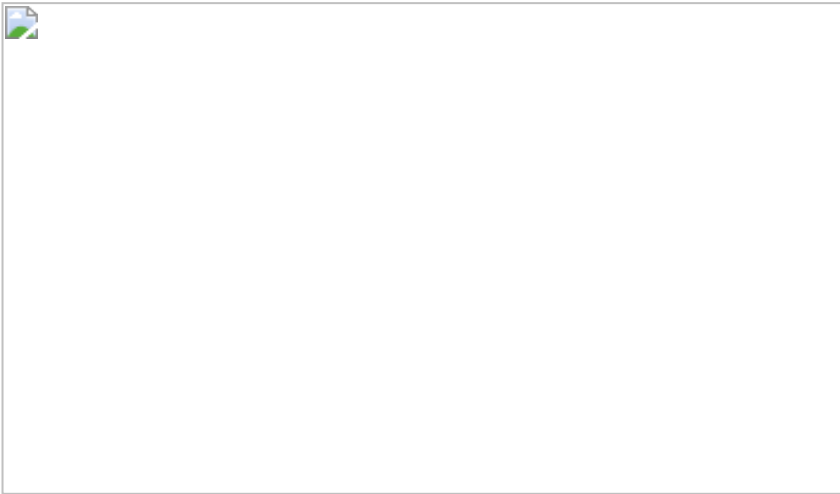
You're invited! Clock out at 3 o'clock and head on over for **CAM Happy Hour** with D3! There will be snacks and beverages available, networking opportunities, and an in-depth presentation introducing the integrated Autodesk solution to **CAM, creating G-code, and machining parts** within Inventor.

At these events, guests will gain exposure to the essentials of operating CAM Software and will be able to:

- Model up a part in Inventor
- Create fixture in assembly environment
- Create tools and toolpaths
- Simulate and verify operations
- Post-process
- Make changes to model and update toolpaths with integrated CAD/CAM

If you are interested in learning more about Autodesk's integrated CAM solution, sign up to attend the **[HSM CAM webinar](#)** happening tomorrow, **March 10th** from 12:00-12:30 CST.

Watch the 1-Minute Video Preview:



[Back to Top](#)

D3 to Be Present at the Industrial & Tool Show in Tulsa

Expo Square - Central Park Hall ([Show Map](#))

4145 East 21st St.
Tulsa, OK

Mark your calendar now for the Industrial & Tool Show on **April 22-23, 2015** in **Tulsa, Oklahoma**.



D3 will be at the conference as an exhibitor showing the industrial & tool industry how we are helping manufacturing companies overcome inefficiencies and develop and maintain lean engineering processes. During this annual event, everyone in the industry will have the opportunity to network and meet new contacts.

Go to www.expoindustrialshows.com/tulsa.htm to learn more.

[Back to Top](#)

About D3 TECHNOLOGIES

Founded in 1998, D3 Technologies is a consulting company that partners with manufacturers to help them leverage the latest in engineering technologies in order to design their products better and bring them to market faster. With multiple offices and training centers located all across the Midwest, D3 is a true partner that delivers solutions to help all manufacturing companies pursue continuous improvement goals to increase productivity and profitability. As one of the largest and most accomplished Autodesk Manufacturing Partners in North America, D3 focuses on 3D design, product data management/product lifecycle management (PDM/PLM),

engineer-to-order (ETO), and configure-to-order (CTO) solutions. For more information on D3, please visit www.d3tech.net.

If you would like to know more about us, please visit our website: www.d3tech.net



If you'd like to change the way we communicate with you, please [contact us](#) to specify which types of emails you'd like to receive or click on the link at the bottom of this email to have your name deleted from our mailing list.

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