

Expanding Autodesk AutoCAD Beyond The Desktop – AC2482

Shaun C Bryant

Director | CADFMconsultants Limited
@notjustcad



AUTODESK UNIVERSITY 2013

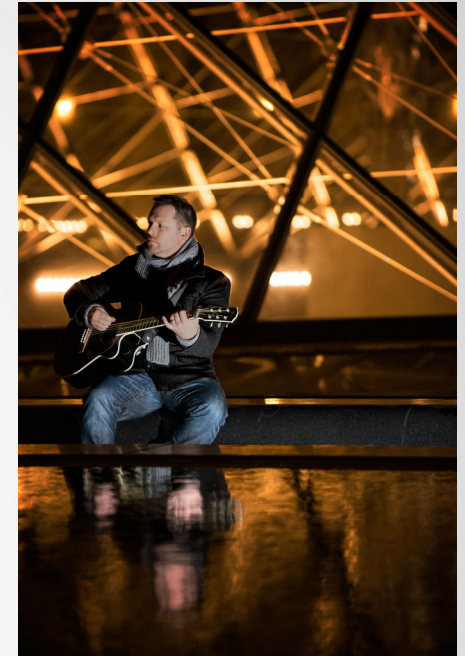
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 AUTODESK.

Shaun C Bryant

Who is this guy?

- Owner/lead consultant – **CADFMconsultants**
- Prolific blogger – owner of the blog, **Not Just CAD!**
- Writer – AUGIWorld, Cadalyst, **LINE//SHAPE//SPACE**
- Director, **AUGI** Board of Directors
- **AutoCAD & Revit** consultant and trainer
- **25 years** of AutoCAD experience
- **4 years** of Revit experience
- **Singer/songwriter** – first album released on iTunes – June 2012
- **Second** album due for release in 2014
- And yes, Bill & Scott, scarves are optional 😊



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Housekeeping

Class rules (or in the words of Johnny Depp, guidelines....)

- Please keep your arms and legs in the vehicle at all times
- Objects in the rear view may appear closer than they really are

On a serious note.....

- Please ensure you know where the exits & the toilets are
- Please put all phones on silent or turn them off....thanks! 😊
- Please raise your hand if you have a question during class
- If you need to leave, please do so quietly
- Play nice!

An aerial perspective rendering of a city skyline. In the foreground, a multi-lane bridge with a rainbow-colored line along its edge spans a river. Several cars are visible on the bridge. The river flows from the bottom right towards the center. On the right bank, there is a green park area with trees and a small blue pond. In the background, a dense city skyline with various skyscrapers is visible under a clear blue sky. A semi-transparent white banner with blue text is overlaid across the middle of the image.

Expanding AutoCAD beyond the desktop.....



Class summary

- Covers the use of AutoCAD 360 (formerly known as AutoCAD WS)
- Examines how AutoCAD 360 can be used to expand away from the traditional desktop by using the latest tablet and smartphone technology
- Touches on some of the best practices, workarounds, shortcuts, limitations, and advantages
- Provides examples of where AutoCAD 360 has been used, and demonstrate how new technology is revolutionizing the AutoCAD workplace
- Make your designs totally portable and use technology that you may not have considered before

Key learning objectives

At the end of this class, you will be able to:

- Use the benefits of AutoCAD 360
- Use the basic AutoCAD 360 to expand your AutoCAD desktop
- Share and collaborate on your AutoCAD projects
- Bring tablet and smartphone technology to the workplace to enhance and expand your commercial reach

Some success stories....

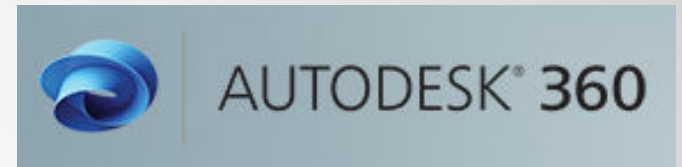
Here are some success stories with AutoCAD WS (predecessor to AutoCAD 360): -

- **University of Cincinnati** – Pompeii Archaeological Research Project
- **Fitzroy Yachts** – New Zealand's premier yacht-builders
- **Hall Engineering** - Provides the electrical needs of the Specialty, Commercial, and Industrial customers throughout the Midwest since 1937
- **Covert Engineering** - Specializes in the design of commercial, industrial and institutional facilities

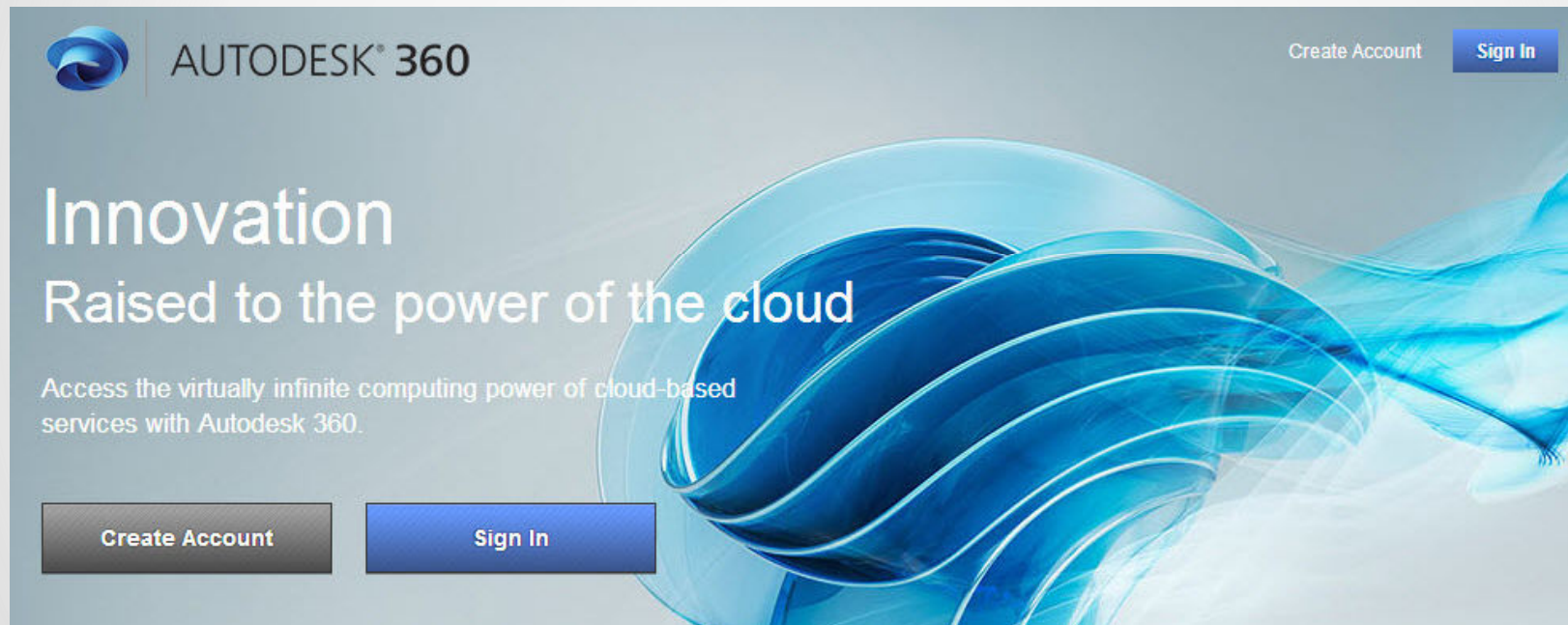
Autodesk 360....what is it?

(Every cloud has a silver lining) 😊

Autodesk 360

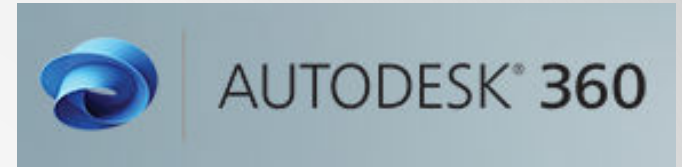


Autodesk's cloud-based, file-sharing utility



<http://360.autodesk.com> – Go on! Download it! (Autodesk ID required)

Autodesk 360



Autodesk's cloud-based, file-sharing utility

- 5GB of FREE cloud storage – more with Subscription (25GB+)
- View and edit 2D & 3D design files via a web browser or a mobile device
- Invite colleagues to view, mark up and share designs in an ongoing activity stream, similar to social media threads
- Other valuable facilities such as ReCap, Pixlr and rendering
- <http://360.autodesk.com> – Go on! Download it! (Autodesk ID required)

AutoCAD 360....what's new...

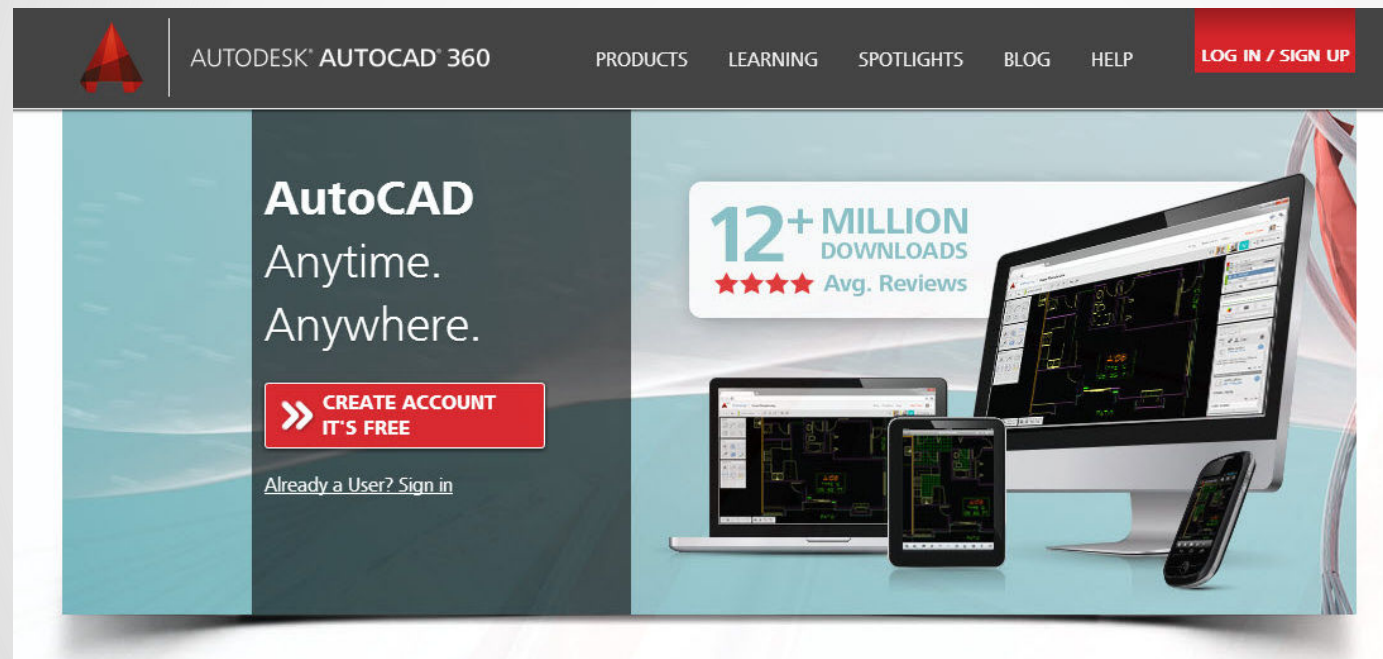
...and where did AutoCAD WS go?

AutoCAD 360



AUTODESK® AUTOCAD® 360

Autodesk's cloud-based, design editing tool - over **10,000*** Pro users



<http://www.autocad360.com> – Go on! Download it! (login required)
(* November 2013)



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AUTODESK®

AutoCAD 360



AUTODESK® AUTOCAD® 360

Autodesk's cloud-based, design editing tool

- Runs on PC, Apple and Android platforms
- **TOTALLY** mobile – **TOTALLY** free – go to your app store!
- Takes advantage of the mobility these devices provide
- Professional (**Pro** & **Pro Plus**) versions available
 - **Pro** = \$4.99/mth or \$49.99/yr
 - **Pro Plus** = \$99.99/yr
- <http://www.autocad360.com> – Go on! Check it out!



AutoCAD 360



AUTODESK® AUTOCAD® 360

On the **iPhone 5S & iPad** (my personal preference)

- **Upload via email** – open DWGs from mail on your phone
- **Connect to the cloud** – Dropbox, Box etc
- **Work offline** – “Make available offline”
- **Collaborate** – work on multiple mobile devices at the same time
- **Snap to point** – long tap on device to pop up the magnifying glass to see points on drawing
- **Select object** – tap any object to select it, hold and drag to select multiple objects, double tap to measure an object

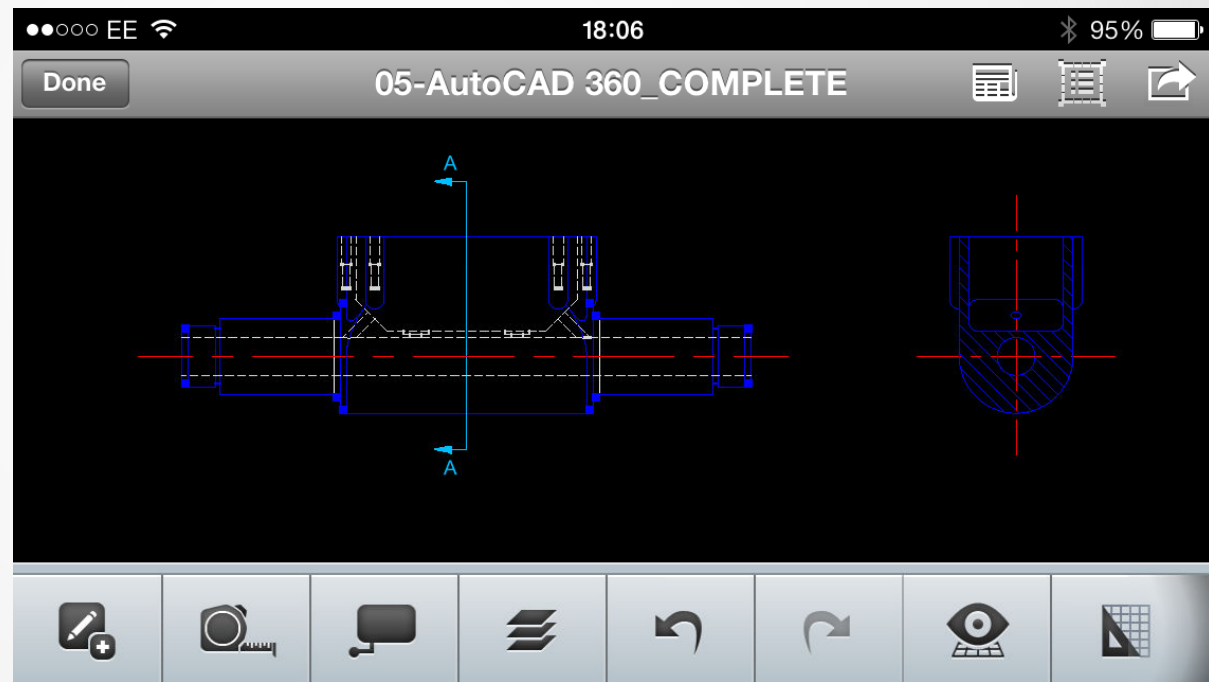
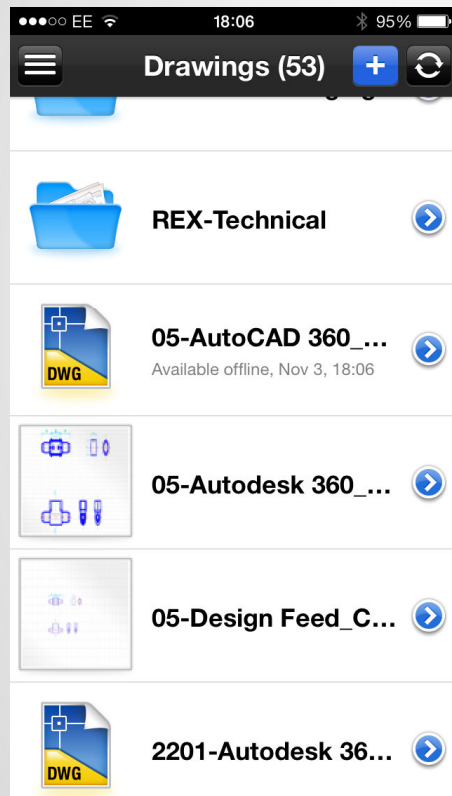


AutoCAD 360



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iPhone 5S – Screenshots





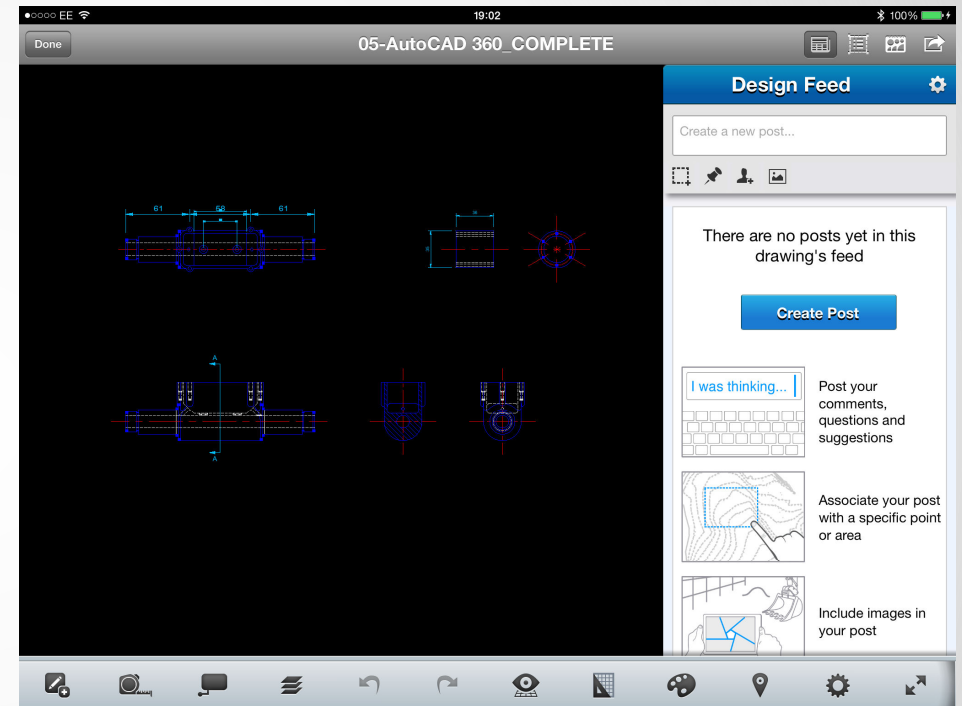
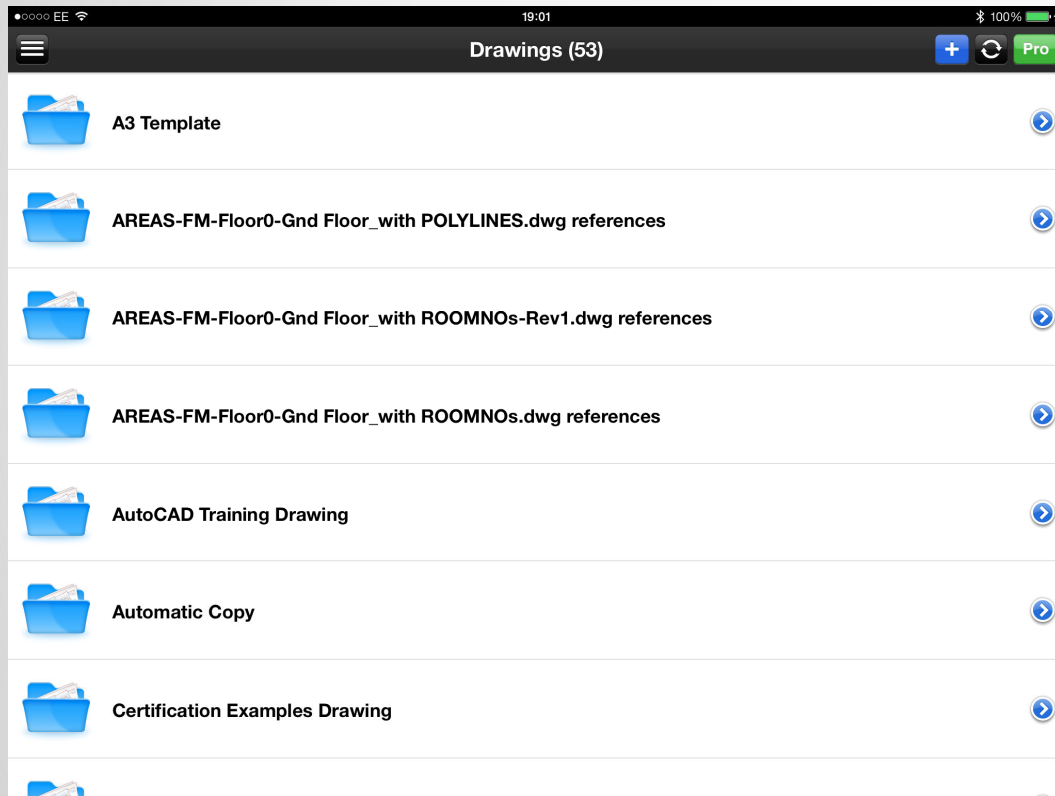
iPhone 5S - Benefits

- **Mobility** – totally portable
- **Connectivity** - open DWGs from mail on your phone ANYWHERE
- **Cloud** – use the cloud as your portable storage – Dropbox etc
- **Interface** – familiar interface, DWG icons, toolbars
- **Visual** – take photos to confirm location, objects, changes
- **Location** – utilize GPS on your phone to confirm global location
- **Audio** – use voice memos as a journal, or even just phone the office!
- **Video** – record short movies as a journal (see above).



AutoCAD 360

iPad – Screenshots





iPad - Benefits

- **Mobility** – totally portable
- **Screen** – larger screen area for easier drafting
- **Keyboard** – proprietary keyboard converts iPad to a “laptop”
- **Connectivity** - open DWGs from mail on your phone ANYWHERE
- **Cloud** – use the cloud as your portable storage – Dropbox etc
- **Interface** – familiar interface, DWG icons, toolbars
- **Visual** – take photos to confirm location, objects, changes
- **Location** – utilize GPS on your tablet to confirm global location
- **Audio** – use voice memos as a journal
- **Video** – record short movies as a journal (see above).

Using AutoCAD 360...

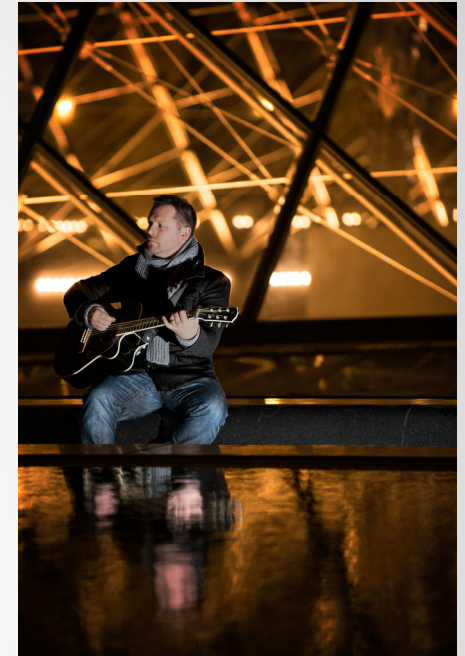
(Watch the big screen!)

Any questions?

Shaun C Bryant

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- **Blog:** Not Just CAD!
- **Twitter:** @notjustcad
- **AUGI Forums:** cadjedi
- **Facebook:** www.facebook.com/cadfmconsultants
- **Music:** www.shauncbryant.com



Also, I am up for **re-election** for the **AUGI** Board of Directors this month!
Your votes would be sincerely appreciated!

Thank you for your time and **don't forget**
to complete your AU class evaluation!

Class number: **AC2482**

Also, join AUGI! – **www.augi.com**

