



Expanding Autodesk AutoCAD Beyond The Desktop – AC5764

Shaun Bryant

Director – CADFMconsultants Limited

Twitter: @notjustcad



Shaun C Bryant

So, who exactly 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
- **26 years** of AutoCAD experience
- **5 years** of Revit experience
- **Singer/Songwriter** – first album released on iTunes – June 2012
- **Second** album due for release in 2015
- Sometimes known as Scarfboy, and yes, Bill & Scott, scarves are optional ☺



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Housekeeping

Class rules

- 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!

(or in the words of Captain Jack Sparrow, 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





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 with your team
- Bring tablet and smartphone technology to the workplace to enhance and expand your commercial reach

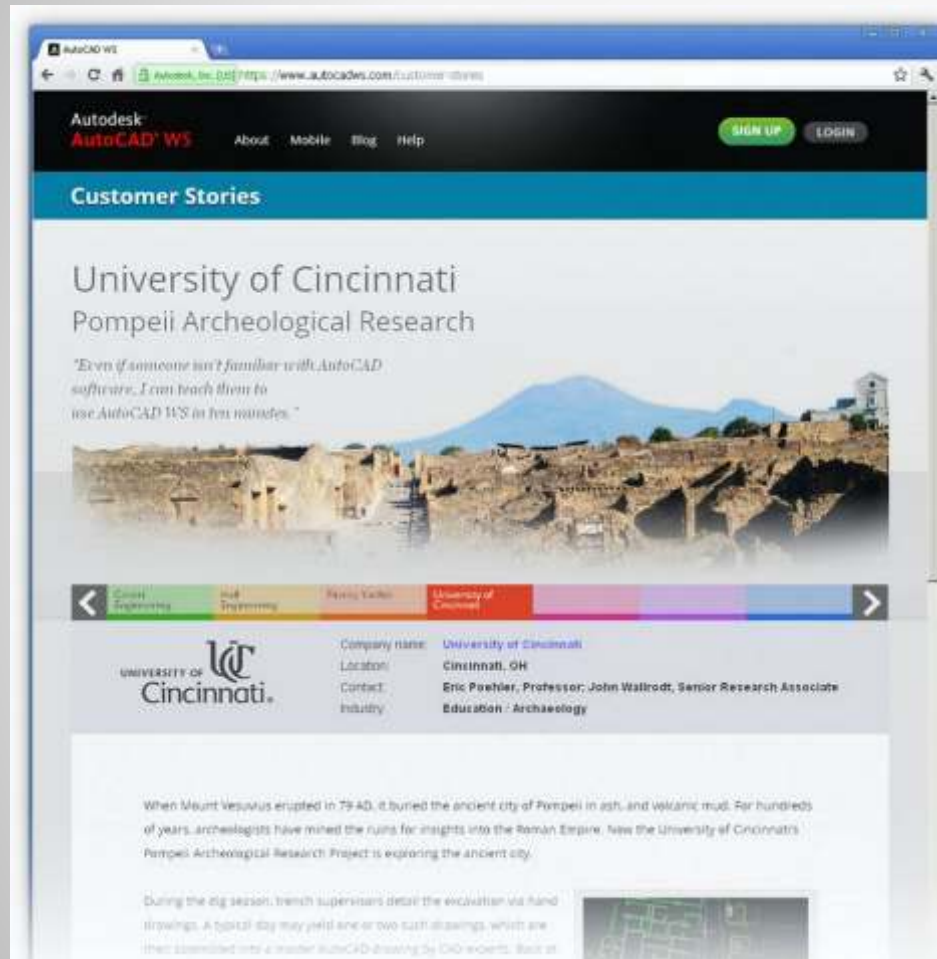
Some success stories....

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



Some success stories....(cont'd)



The University of Cincinnati used AutoCAD WS (now AutoCAD 360) for their important archeological research around Pompeii and the infamous Mount Vesuvius.

Even if someone isn't familiar with AutoCAD software, I can teach them to use AutoCAD WS (AutoCAD 360) in ten minutes.

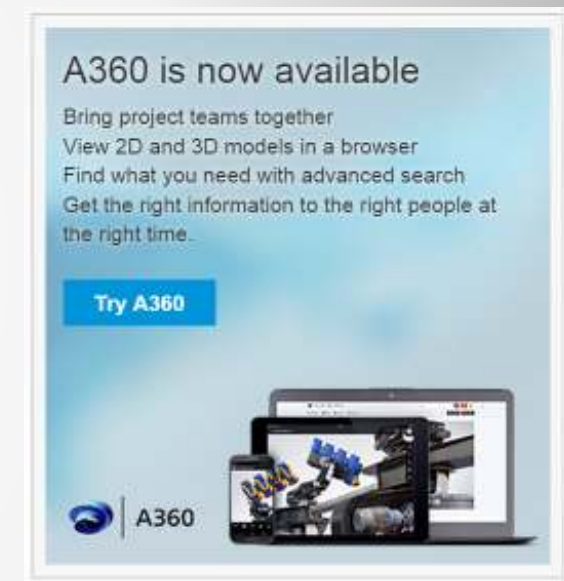
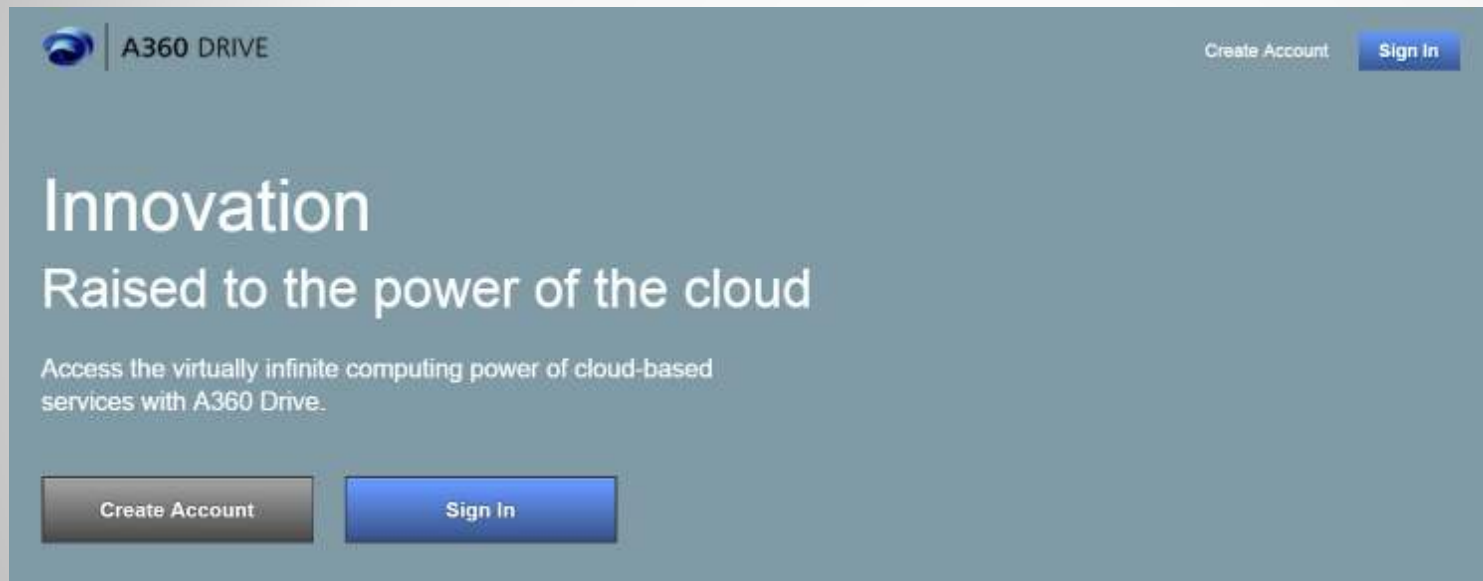


A360 Drive....what is it?

(Every cloud has a silver lining) 😊

A360 Drive (formerly Autodesk 360)

Autodesk's cloud-based, file-sharing utility



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



A360 Drive (...cont'd)



Autodesk's cloud-based, file-sharing utility

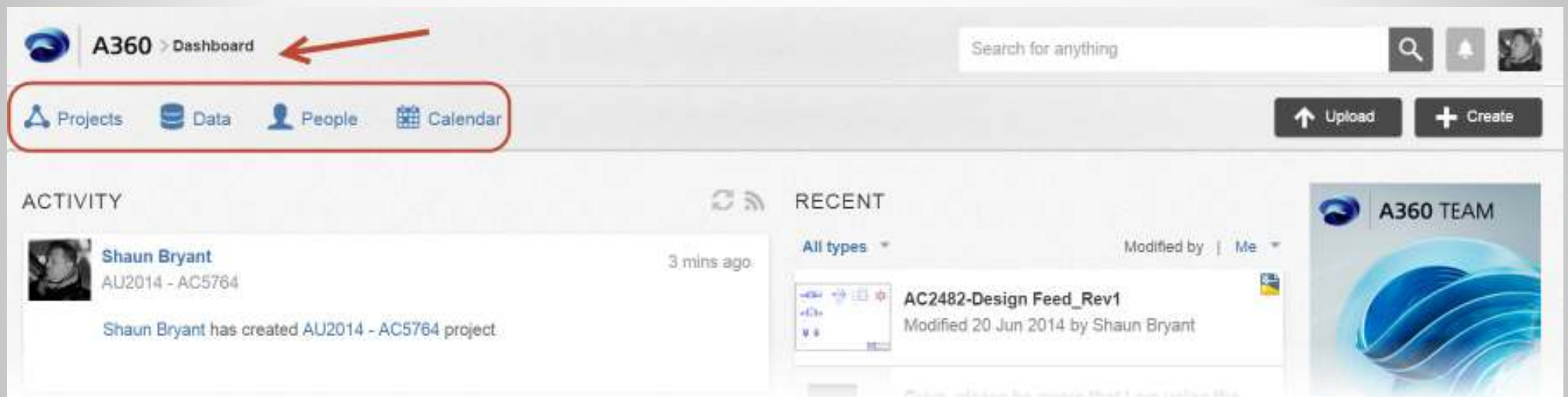
- FREE cloud storage – more with Subscription
- View and edit 2D & 3D design files via a web browser or a mobile device
- Invite colleagues to view, mark up and share designs in an ongoing activity stream, similar to social media threads
- Other valuable facilities such as ReCap, Pixlr and rendering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



A360 (Projects & Teams)



Autodesk's cloud-based project collaboration tool



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

A360 (Projects & Teams)



Autodesk's cloud-based project collaboration tool

- Requires a subscription fee
- Provides cloud-based project collaboration via project teams
- As with A360 Drive, colleagues can view, mark up and share designs in an ongoing activity stream, similar to social media threads, but in a project-based cloud
- <http://360.autodesk.com> – Go on! Download it!
(Autodesk ID and subscription required)

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

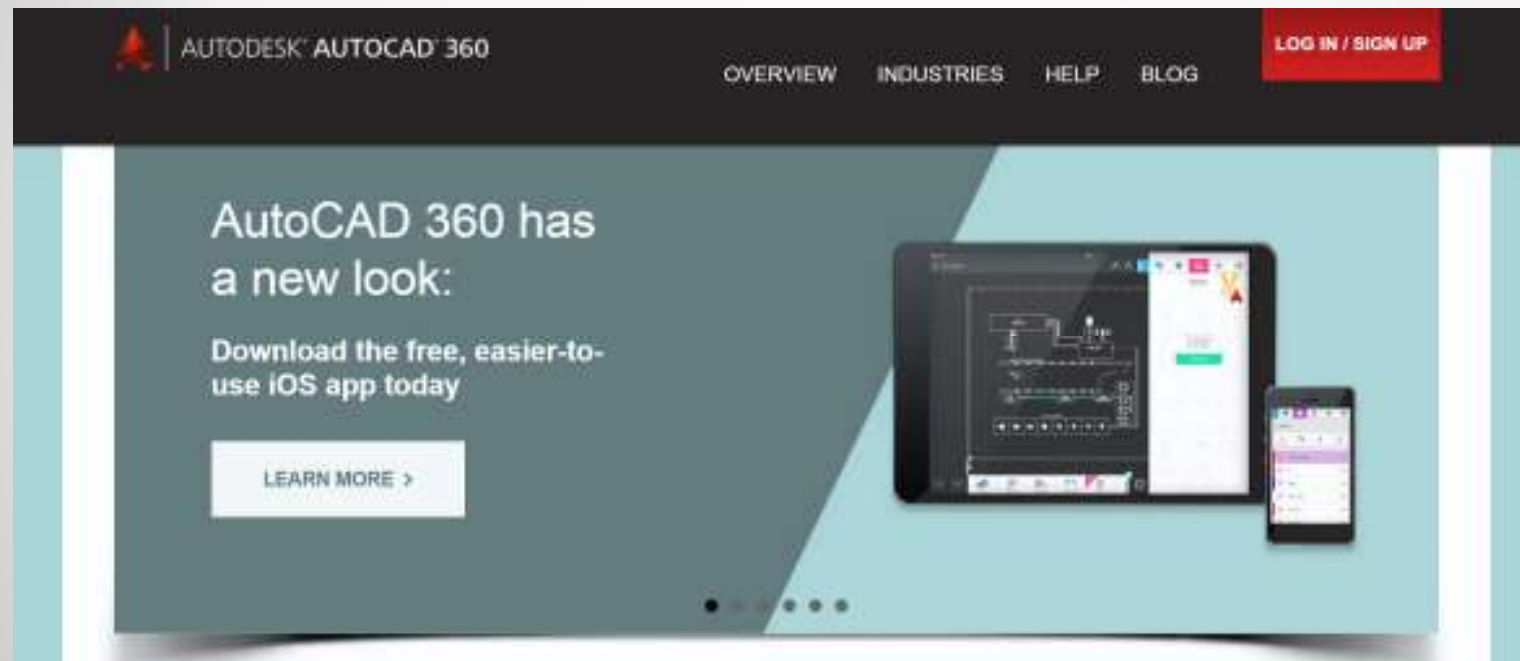
...and where did AutoCAD WS go?

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 figures – AU2013)



AUTODESK UNIVERSITY 2014

 AUTODESK.

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



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

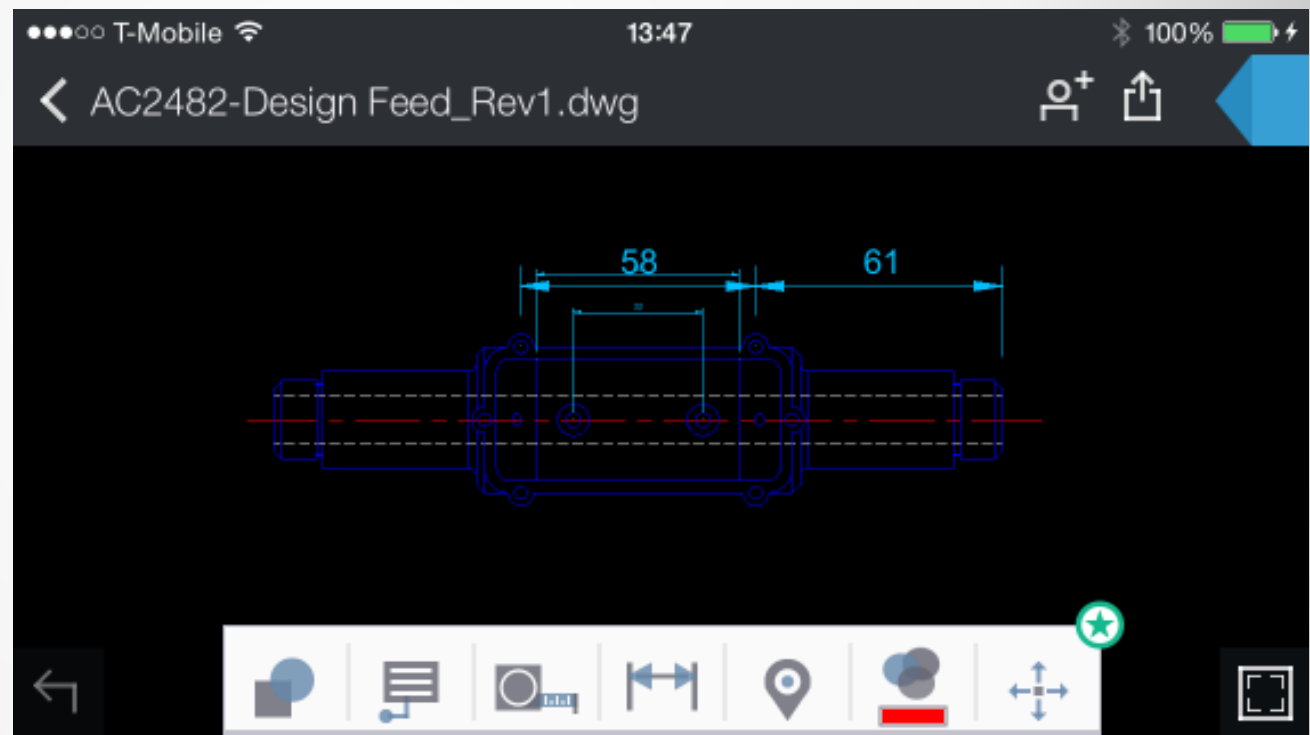
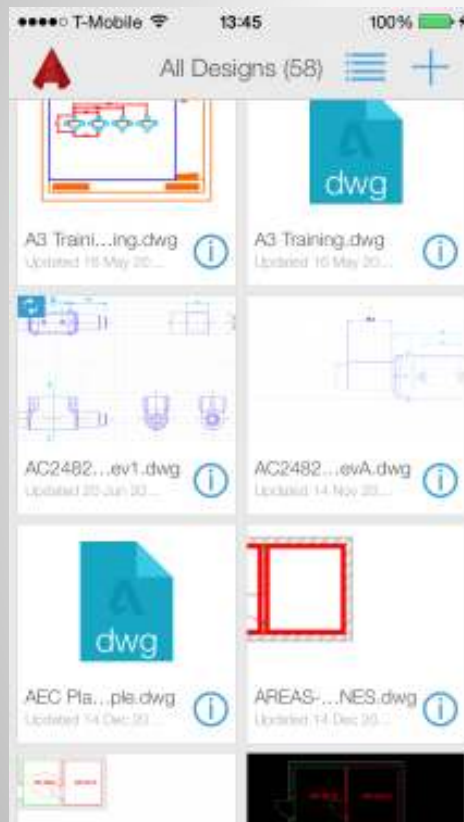
- **Upload via email** – open DWGs from mail on your phone
- **Connect to the cloud** – Dropbox, Box etc
- **Work offline** – “Make available offline”
- **Collaborate** – work on multiple mobile devices at the same time
- **Snap to point** – long tap on device to pop up the magnifying glass to see points 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



iPhone 5S – Screenshots

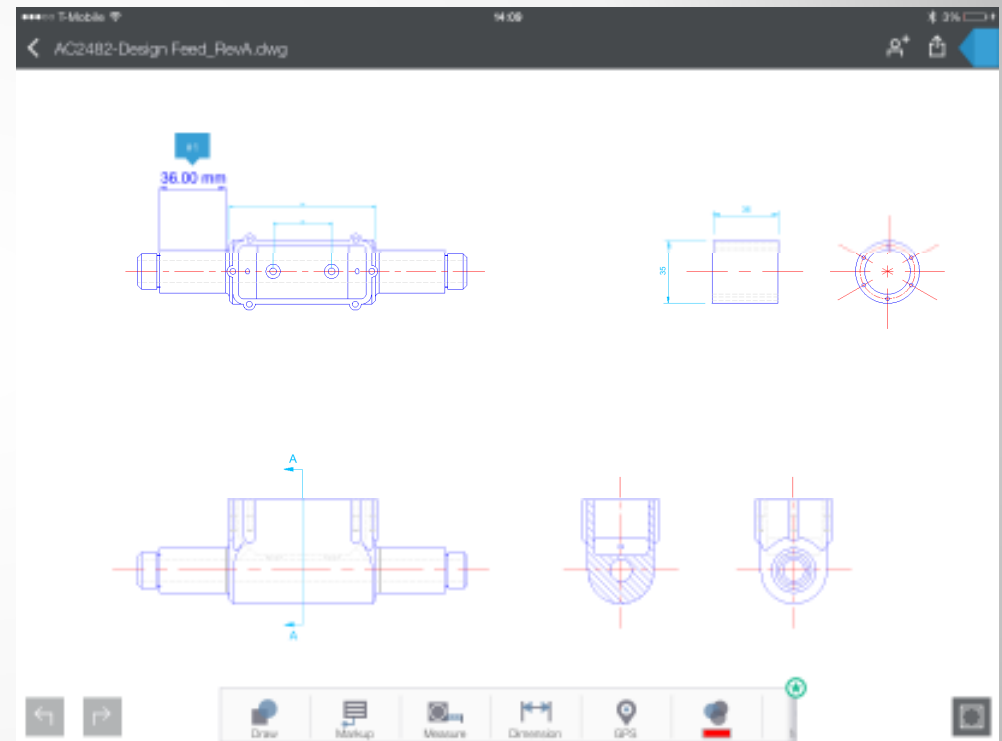
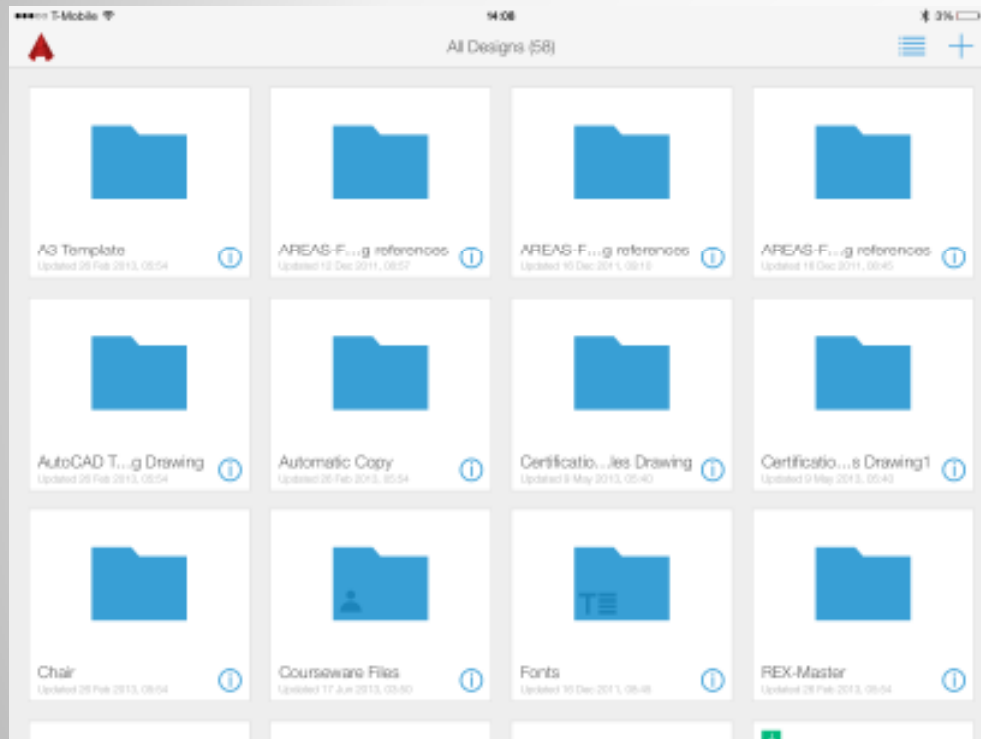


iPhone 5S - Benefits

- **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).

Are you a Revit user?

Are you using BIM 360 Glue?



The BIM 360 Glue mobile app enables users to more securely access Building Information Modeling (BIM) projects.

Key Benefits

- Easy, secure, authenticated access to up-to-date, multi-discipline BIM360 Glue projects
- Intuitive exploration of multi-discipline BIM projects in the field, online or offline
- Powerful BIM 360 Glue project review tools for effective collaboration

Using BIM 360 Glue....



iPad Screenshots



- Similar to AutoCAD 360 interface.
- Ability to redline
- BIM-related tools for team collaboration

Using AutoCAD 360...

(Watch the big screen!)

Any questions?

Shaun C Bryant

Contact details....

- **Owner/lead consultant:** CADFMconsultants (UK)
- **Email:** shaun.bryant@cadfmconsult.co.uk
- **Skype:** shaunbryant
- **Web:** www.cadfmconsult.co.uk
- **Blog:** Not Just CAD!
- **Twitter:** @notjustcad
- **AUGI Forums:** cadjedi
- **Facebook:** www.facebook.com/cadfmconsultants
- **Music:** www.shauncbryant.com

Also, I renewing my Autodesk Certified Professional status here at AU2014.
Have you done this yet?



Session Feedback

- Via the Survey Stations, email or mobile device
- AU 2015 passes given out each day!
- Best to do it right after the session
- Instructors see results in real-time



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

Class number: **AC5764**

Also, join AUGI! – **www.augi.com**



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