

CAPITA



Making the case for BIM

Mike Turpin

 @ThatBIMThing

NBS, BIM for manufacturers - April 2017

“Engineering excellence
and innovation for the
infrastructure of tomorrow”

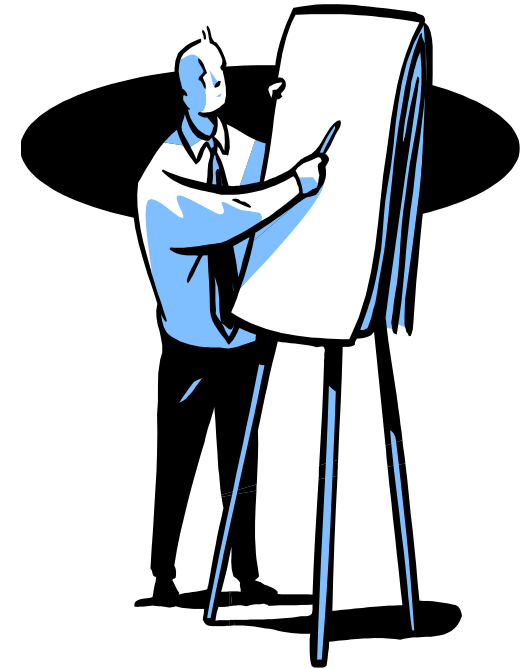
We | Listen Create Deliver

Introduction

Mike Turpin - Head of BIM for Capita

Delivering internal and external BIM support consultancy services

- EngTech TMICE
- Structural / Public Health engineering background
- Specialising in BIM for last 10 years
- Revit Certified Professional (Architecture, Structure & MEP)
- Founder of South BIM Region (www.southbim.com)
- Co-Founder of UK Dynamo User Group (www.UKDUG.co.uk)
- Committee member of UK BIM Regions (www.bimregions.co.uk)



Make it:

- **Simple**
- **Relevant**
- **Successful**



Make it simple...

KISS – Keep It Simple Stupid

“I DON'T HAVE **TIME**”



"I welcome change,
as long as nothing
is altered or different."

BIM4CAPITA

Building Information Modelling (BIM)
For Capita Property & Infrastructure

Building Information Modelling (BIM) - A Simple Guide

Architecture

Capita is committed to the adoption of BIM as the default method of working for all design disciplines and the BIM4CAPITA Task Group has put together this simple guide to help inform you about BIM for your discipline.

What is BIM for Architecture?

BIM for the Architect will bring huge benefits, providing the ability to visualise the virtual building before construction and aiding the entire design process from initial concept mass modelling for solar/light analysis and design options for planning, right through to linking room data into our clients facility management systems on project completion.

BIM will also help with capturing information. Door schedules, windows and room / space information will all be managed automatically within the design authoring tools.

BIM enables us to consider the whole environment we design in. The building can be positioned on the site and the surrounding area can be brought together to introduce a vision that the team and our clients would have previously had to pay a premium for.



What should be considered?

BIM is a process, not a software. Workflows and collaborative working on each project must be considered as the data and information generated will be utilised by other disciplines across the project for amongst other things analysis, quantity take-off, clash detection, rendered views and construction sequencing (4D).

Co-ordination and clash detection

One of the main benefits of BIM is the ability to resolve co-ordination issues prior to the build process. Typically, the Architect takes on the role of the Project BIM Manager. This role involves bringing together all of the different discipline specific models from across the team and federating them together to produce the virtual representation of the construction. Once the specified discipline models have been brought together, the BIM Manager will manage the clash detection process as the project progresses.

¹ For the purposes of the policy, "design disciplines" are those that prepare/modify a design or arrange/instruct others under their control to do so. ("design" includes drawings, design details, models, specifications, bill of quantities and calculations).

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BS1192 File Naming

Project:

Originator:

Does project contain volumes and levels?
 Volume/System Level/Location

Volume:

Level:

Type:

Role:

Number:

[About](#)

Autodesk Revit 2017.1 - VIEWER MODE - Recent Files

Capita - Welcome to Capita Tools

BIM4CAPITA

Building Information Modelling (BIM)
For Capita Property & Infrastructure

Welcome to the new Capita Tools ribbon for Autodesk Revit.

This Capita toolbar contains lots of useful links to Capita's internal Revit and BIM information. This information is available for anyone within Capita to access and use. As well as providing links to useful information this toolbar also provides some additional software tools that are not available as standard in the Autodesk Revit program.

Finally this toolbar will also provide you with a direct link to our software support providers, Excitech who can provide technical support on all Autodesk software. If you have any comments on this toolbar please contact your local BIM4Capita representative or email:

BIM4Capita@capita.co.uk
To read the Capita 1001s guidance manual please

[CLICK HERE](#)

Do not show this window again

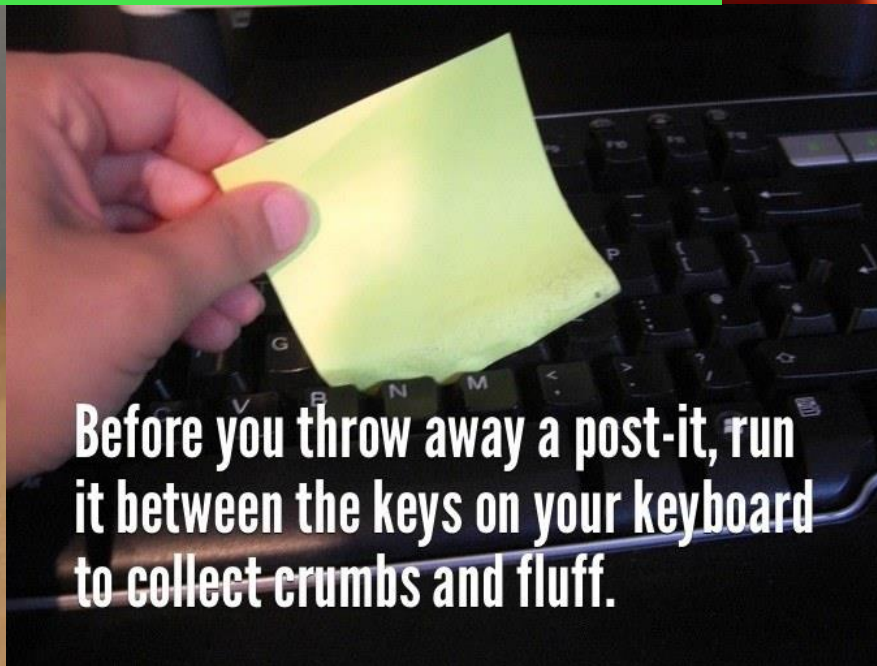
Give the people what they want...

Make people want to do BIM
PROVE IT HELPS!

Instead of "Ctrl, Alt & Del",
press "Ctrl, Shift & Escape"
to get straight to the task-
manager in Windows.

To remove the stem from
strawberries, use a straw

Use paper clips to organize your cables



Give the people what they want...

Make people want to do BIM
PROVE IT HELPS!



BIM

Right
First
Time



BIM saved
me.....



Make it relevant...

BIM



Building Information Modelling

Digital Transformation in Construction

Digital

Adjective

1. (of signals or data) expressed as series of the digits 0 and 1, typically represented by values of a physical quantity such as voltage or magnetic polarization.

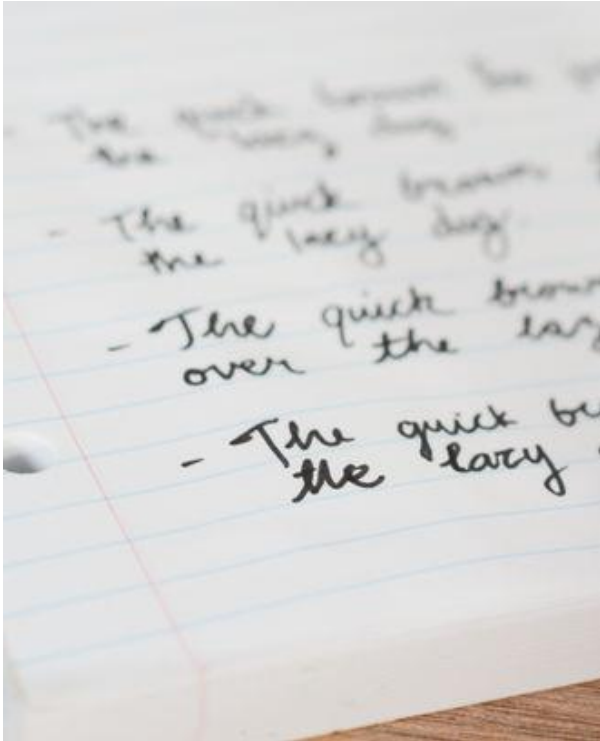
- relating to, using, or storing data or information in the form of digital signals.
"digital TV"

- involving or relating to the use of computer technology.
"the digital revolution"

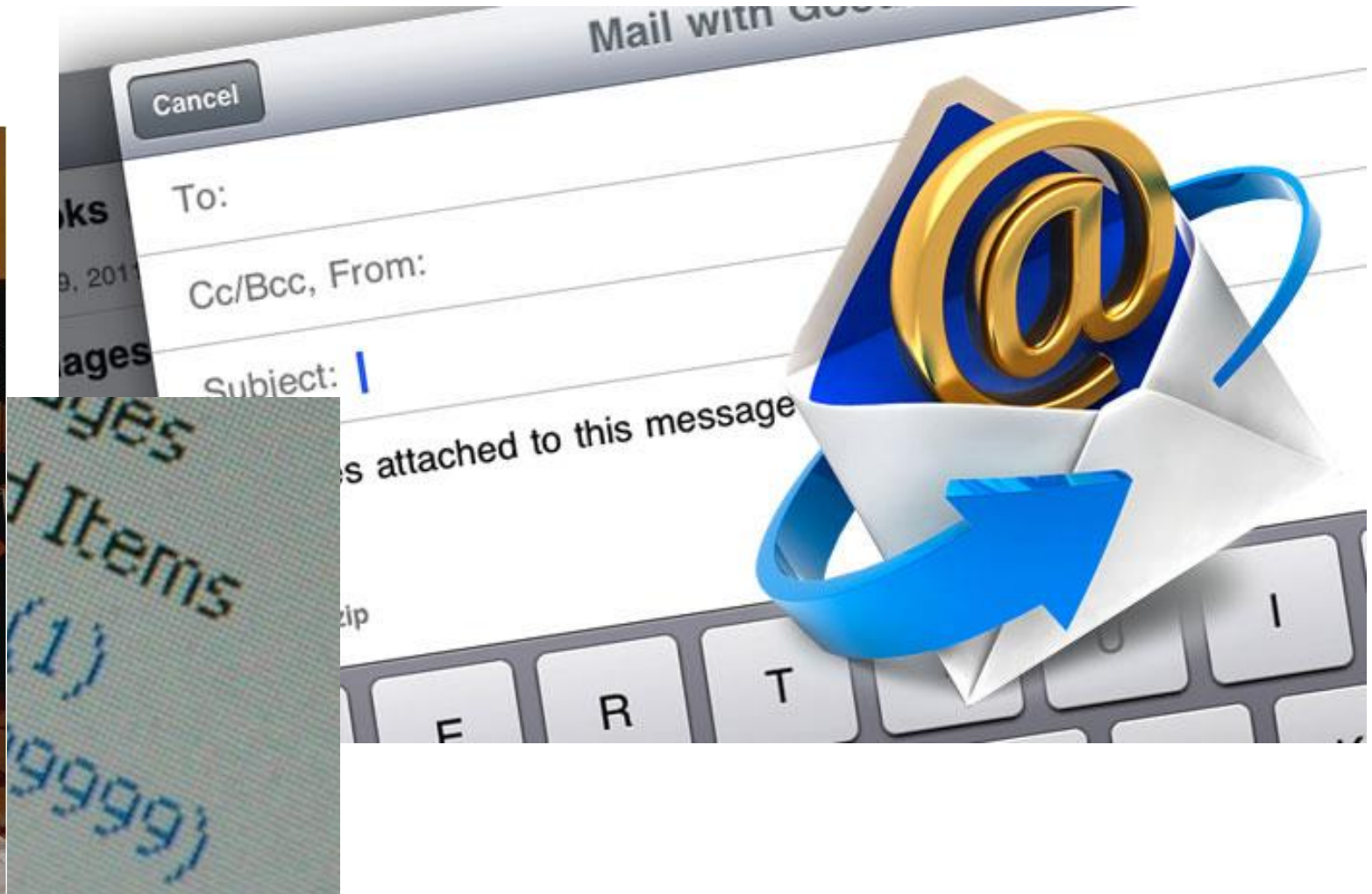
Basically going digital means there is no ambiguity, things are:

- 1 or 0
- Right or Wrong
- Yes or No
- Black or White

So what other areas have gone through a Digital Transformation? Written Communication



So what other areas have gone through a Digital Transformation? Written Communication



So what other areas have gone through a Digital Transformation?

- Written Communication (Email)
- Spoken Communication (Mobiles, Internet phones)
- Shopping (Barcodes)
- TV & Film (Netflix, Iplayer)
- Banking
- Road Tax
- Online Shopping
- Parking (Ringo)
- Transport (trains / planes)
- Etc.
- Etc.
- Etc.

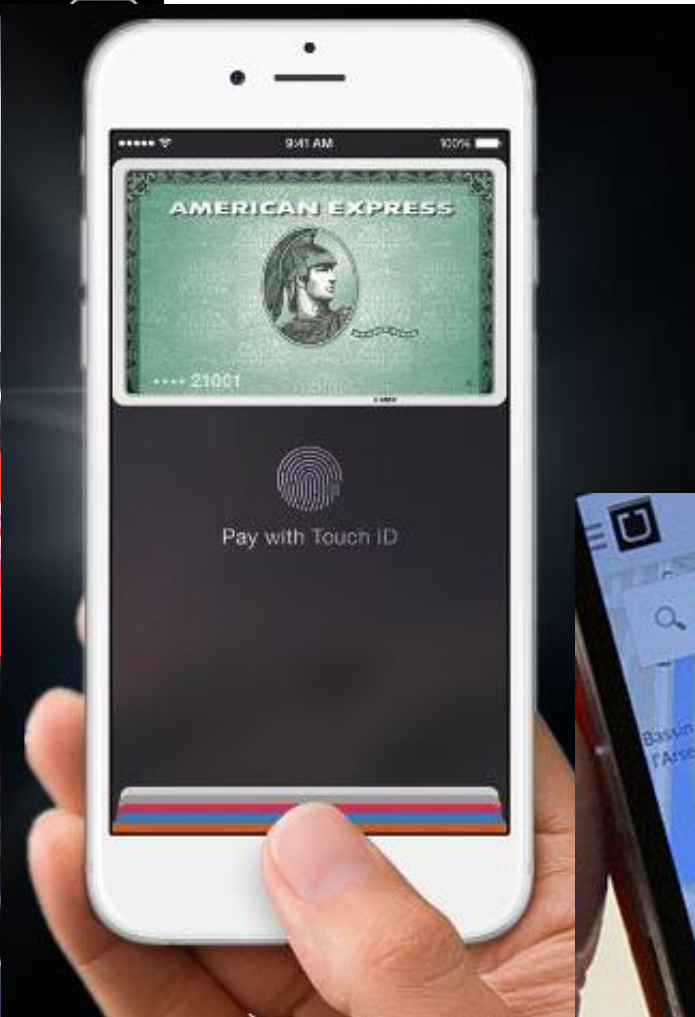


351° N

UA969 / UAL969
Full flight info in
Flightradar24 Pro

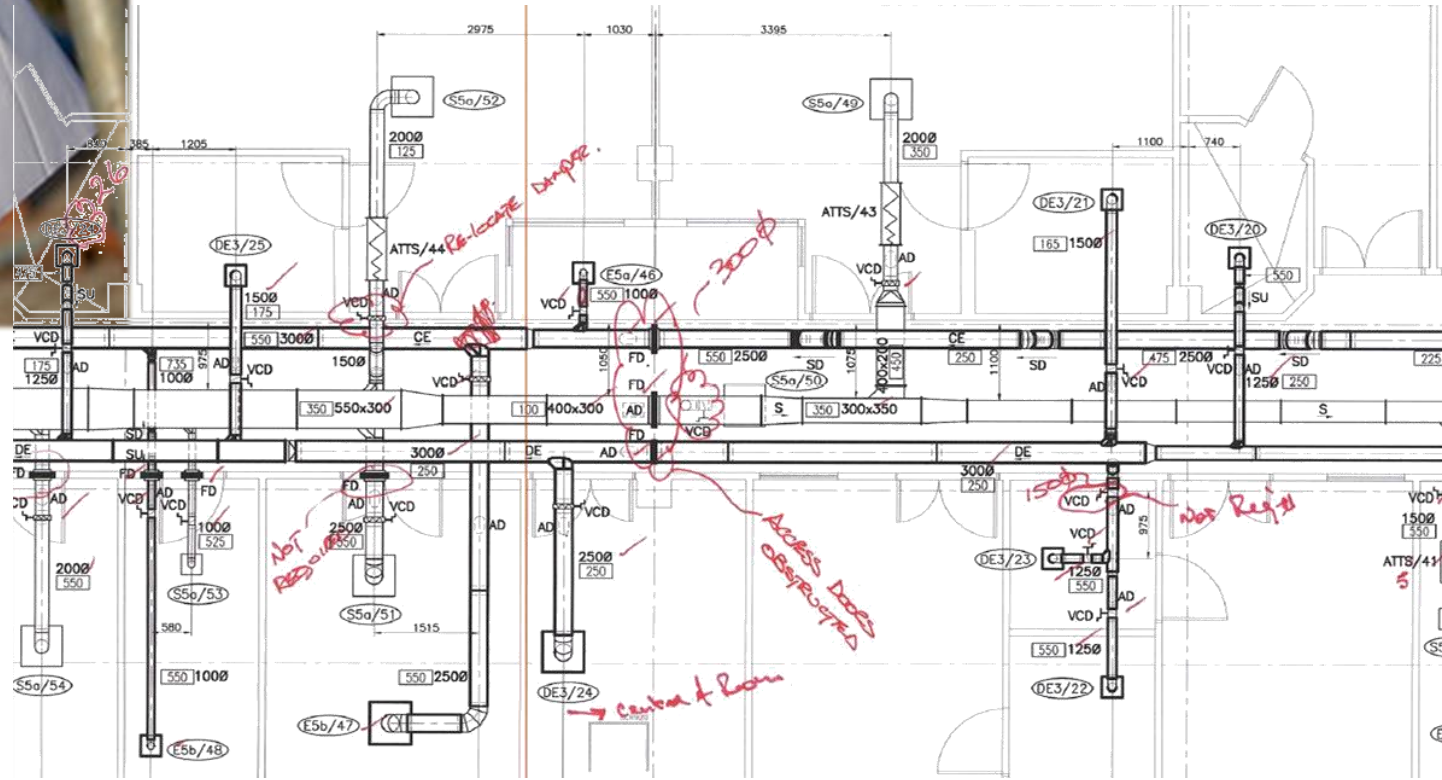
39 km

U2703
Full flight
Flightra



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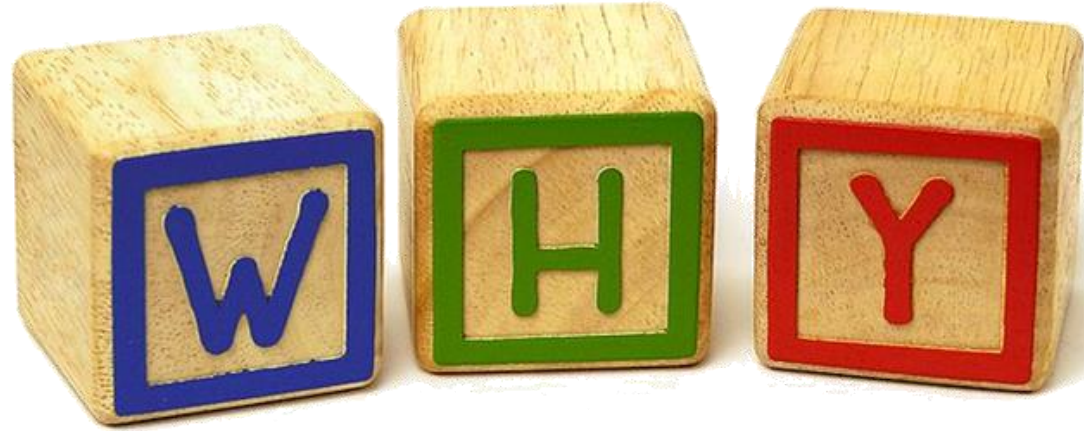




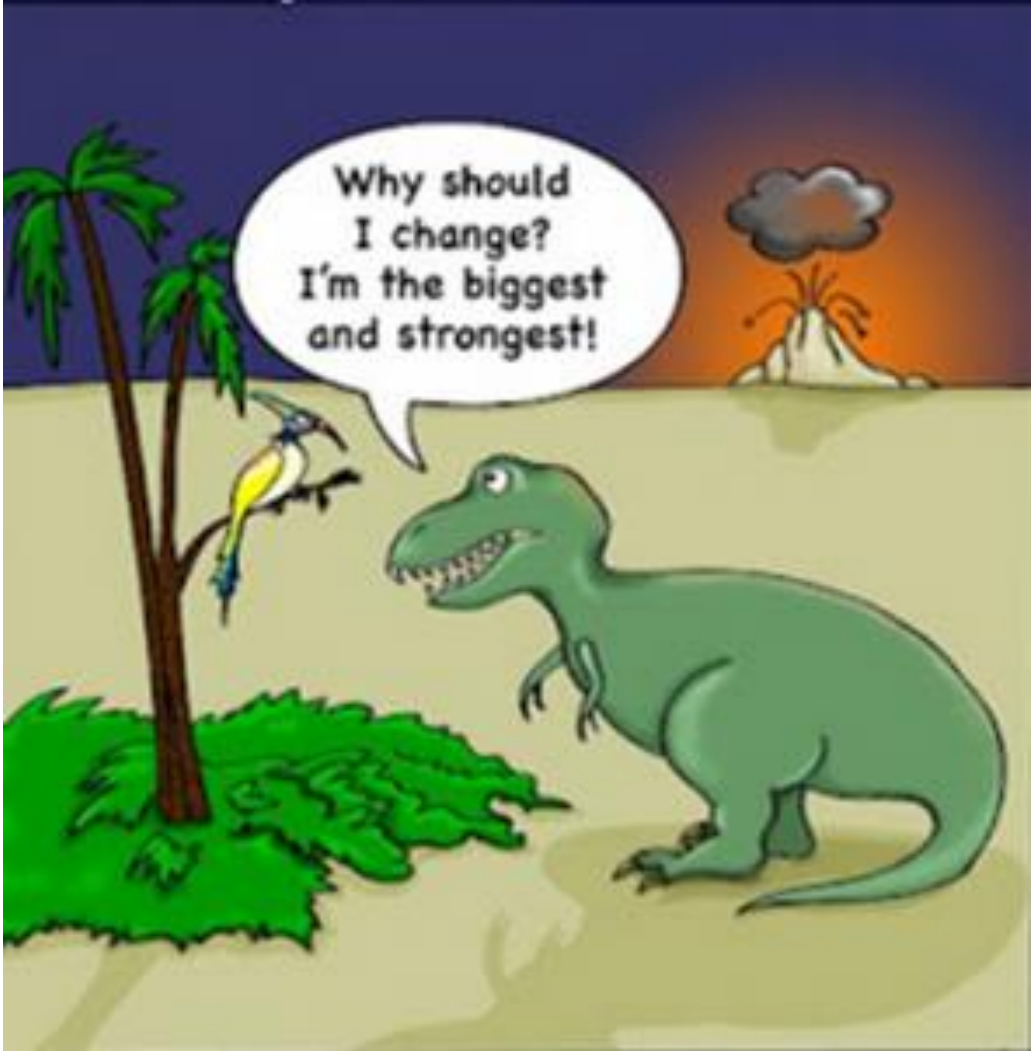


Make it successful...

My purpose in BIM



Its up to you whether you do BIM but can you really afford not to?





BETTER IMPROVED METHODS



Thank you for listening

Any Questions?



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