PhD – Advancing BIM implementation for Facilities Management

University of Bath
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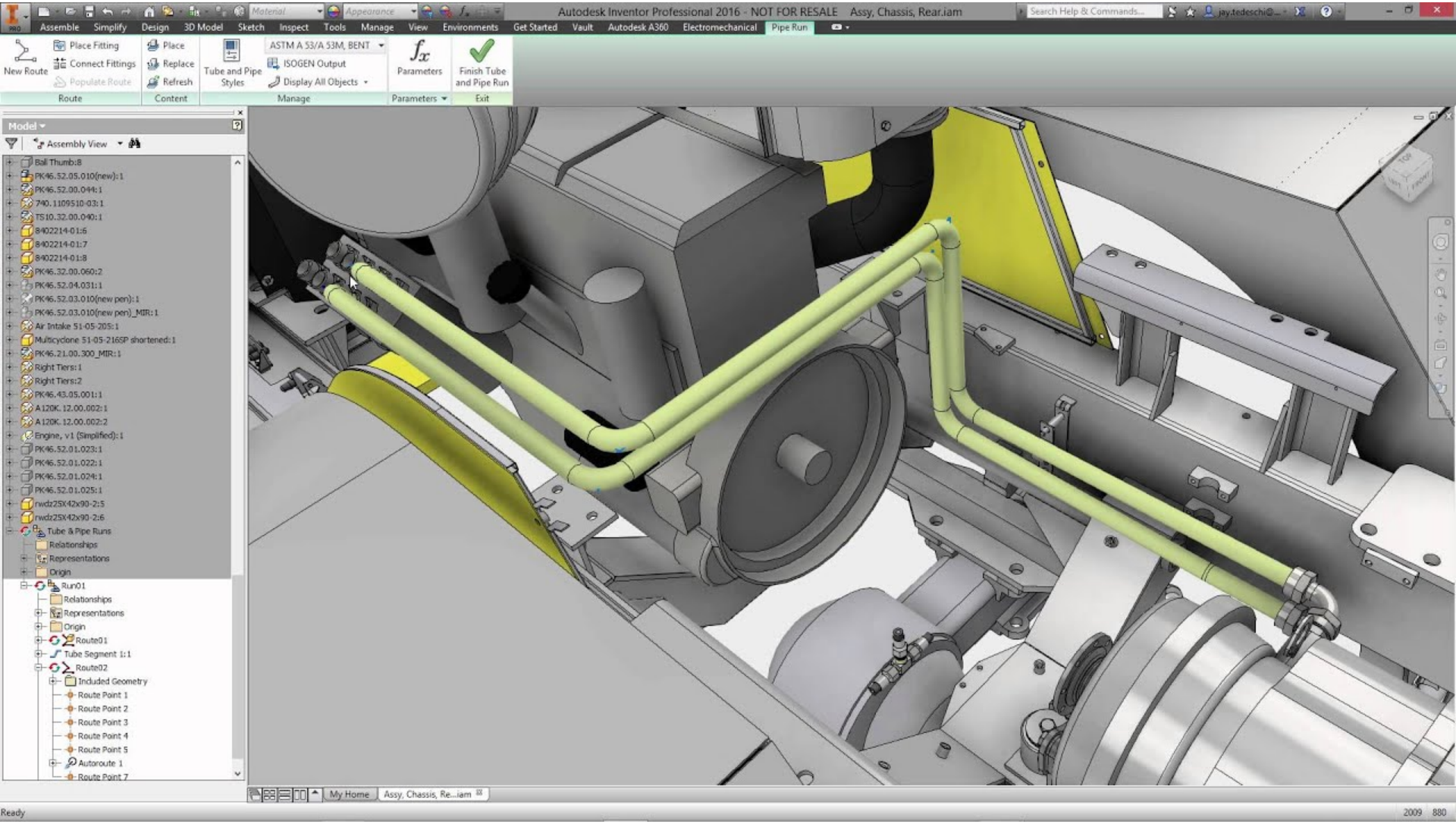
BIM 4 Facility
Management

Complexity - Data, Graphics and everything else



Granularity of Data

Historical, just old & invisible

…just nasty but visible

… now this is historical BIM
22736
NSW MARITIME
ENVIRONMENTAL SERVICES Ph: 95638592

From this ….
…To this

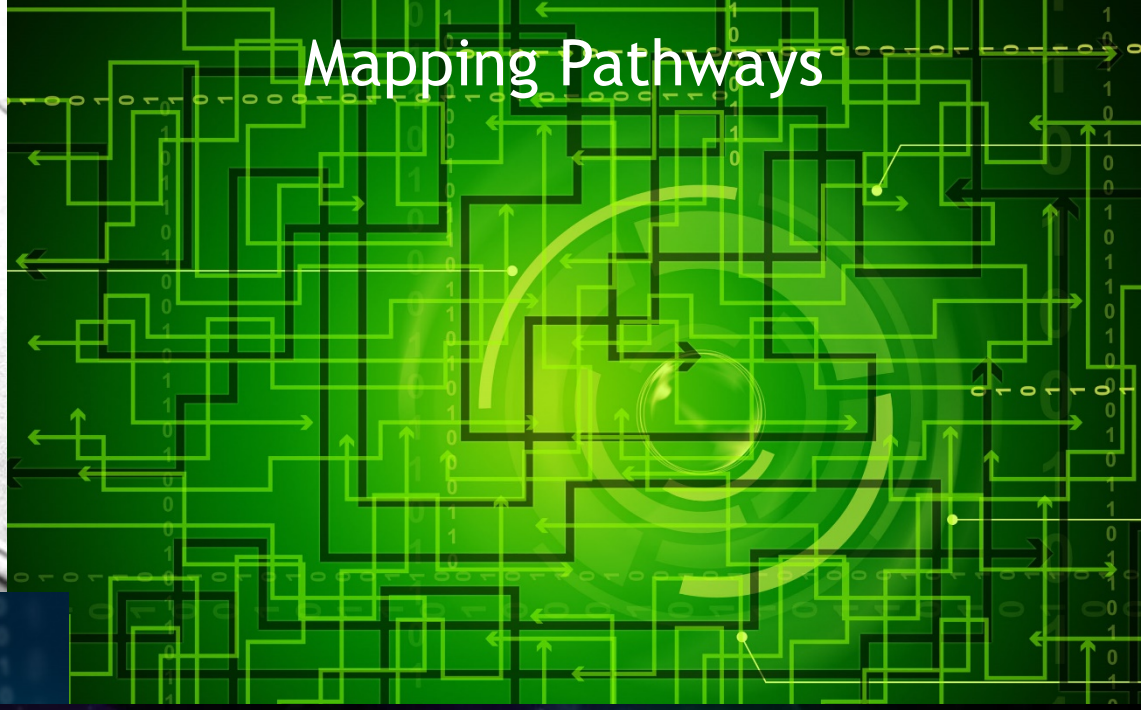
Carbon neutral

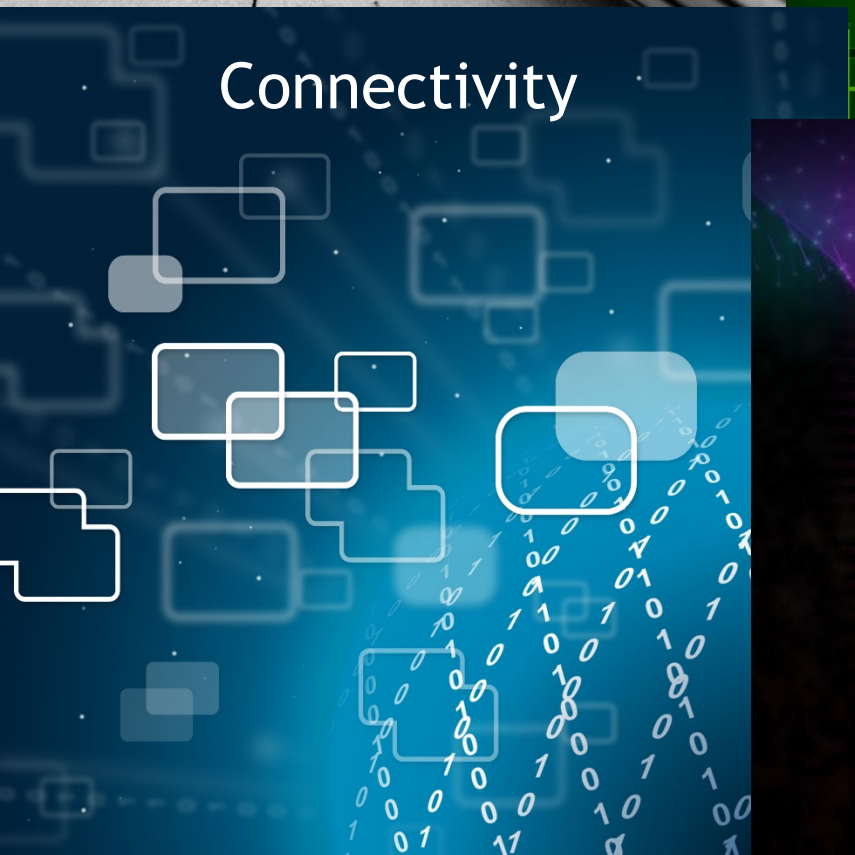
Decisions …

Decisions …

Balancing
Act

Analogue data …


Mapping Pathways


Connectivity

Accessibility

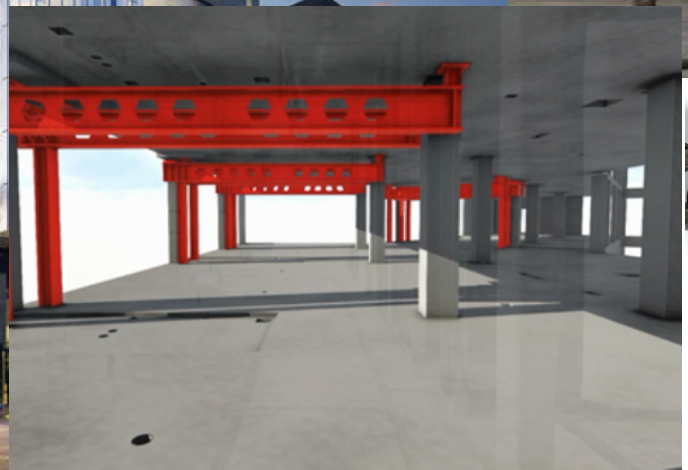
Tick, Tock… time waits for no-one

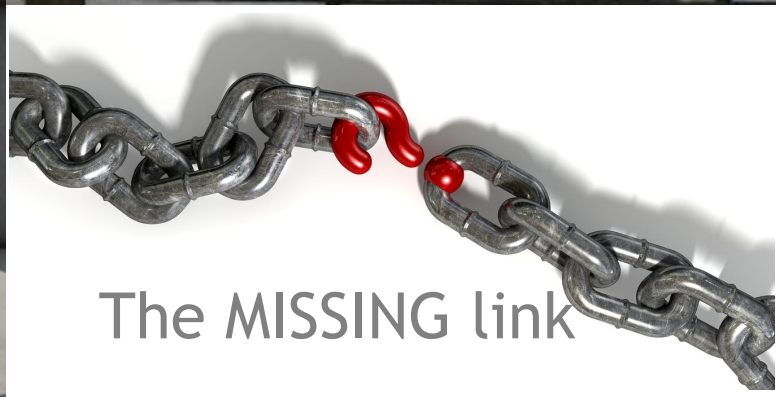
Historic & valued

Planned

Construction errors

Old & new




The MISSING link

Interoperability

What, When, Where & Who …

Collaboration

What does ‘Smart’ anything look like?

Solutions, evaluations & new networks

Running like clockwork

Working Together delivering POTENTIAL

References:

BIM model: https://www.scan2cad.com/cad/guide-building-information-modeling-bim/
External pipe runs: Amey
Interoperability: https://www.elitecme.com/resource-center/radiology/the-value-of-interoperability/
Hospital 1: https://www.e-architect.co.uk/liverpool/royal-liverpool-university-hospital
Hospital 2: https://www.e-architect.co.uk/wp-content/uploads/2010/04/royal-liverpool-university-hospital-a181213.jpg#main
Missing Link: http://theconversation.com/myth-of-the-missing-link-in-evolution-does-science-no-favors-46661
Rectification: https://www.constructionenquirer.com/2019/06/10/165-tonnes-of-steel-needed-to-fix-botched-liverpool-hospital/
Houses of Parliament Construction: https://www.bbc.co.uk/news/uk-politics-48199355