

Getting out of

BIM Silos



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The logo consists of the letters 'NCID' in a bold, white, sans-serif font. The 'N' and 'C' are connected, as are the 'I' and 'D'.

NCID

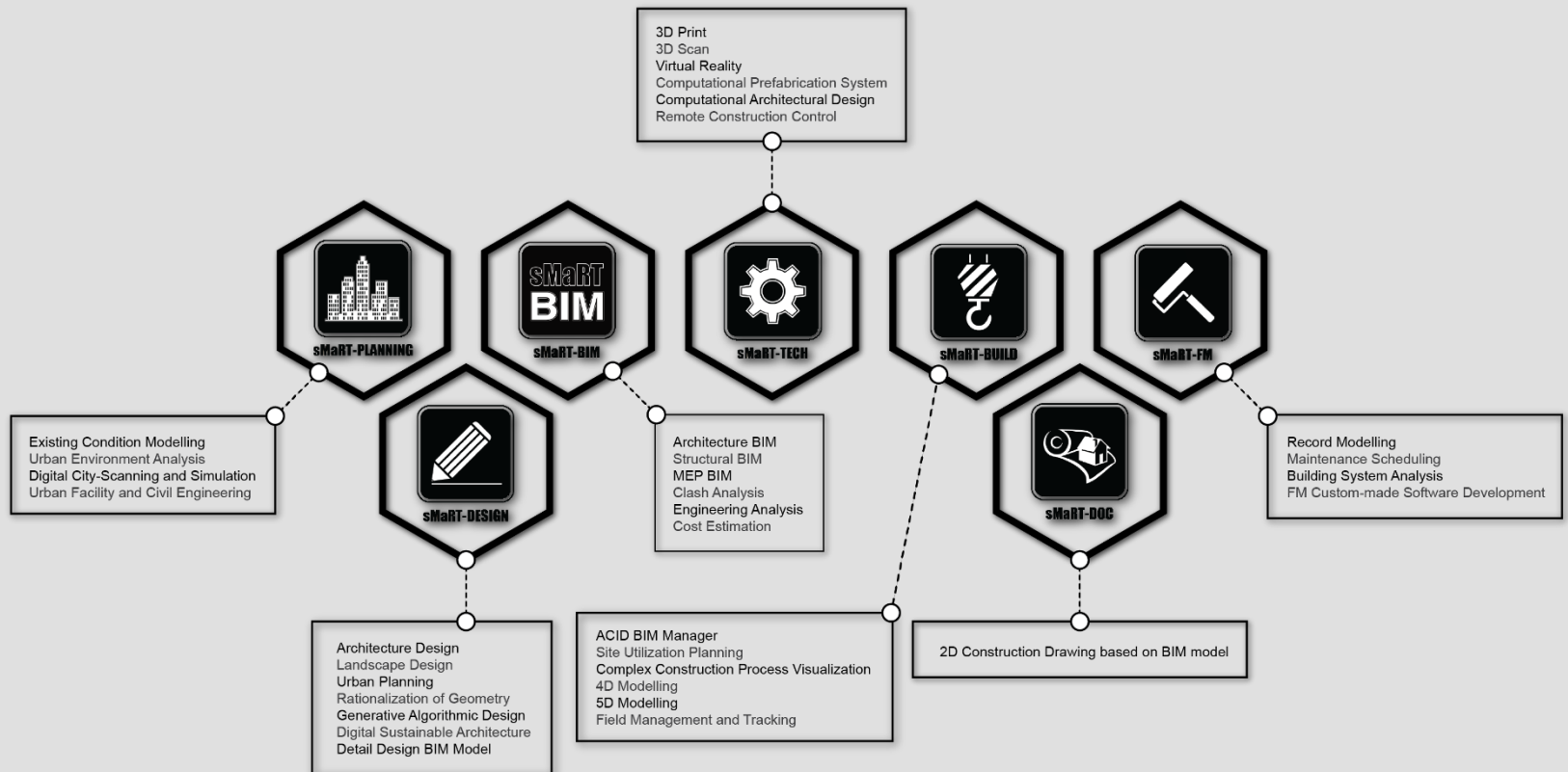
A thin, vertical white line is positioned to the left of the text.

A DVANCED
C ONSTRUCTION
I NFORMATION
D EVELOPMENT

- Hong Kong, Wuhan, Shanghai and Shenzhen Office
- Over 100 qualified Professional and Technical Staff
- Location



ADVANCED CONSTRUCTION INFORMATION DEVELOPMENT



B

= Building

建築

I

= Information

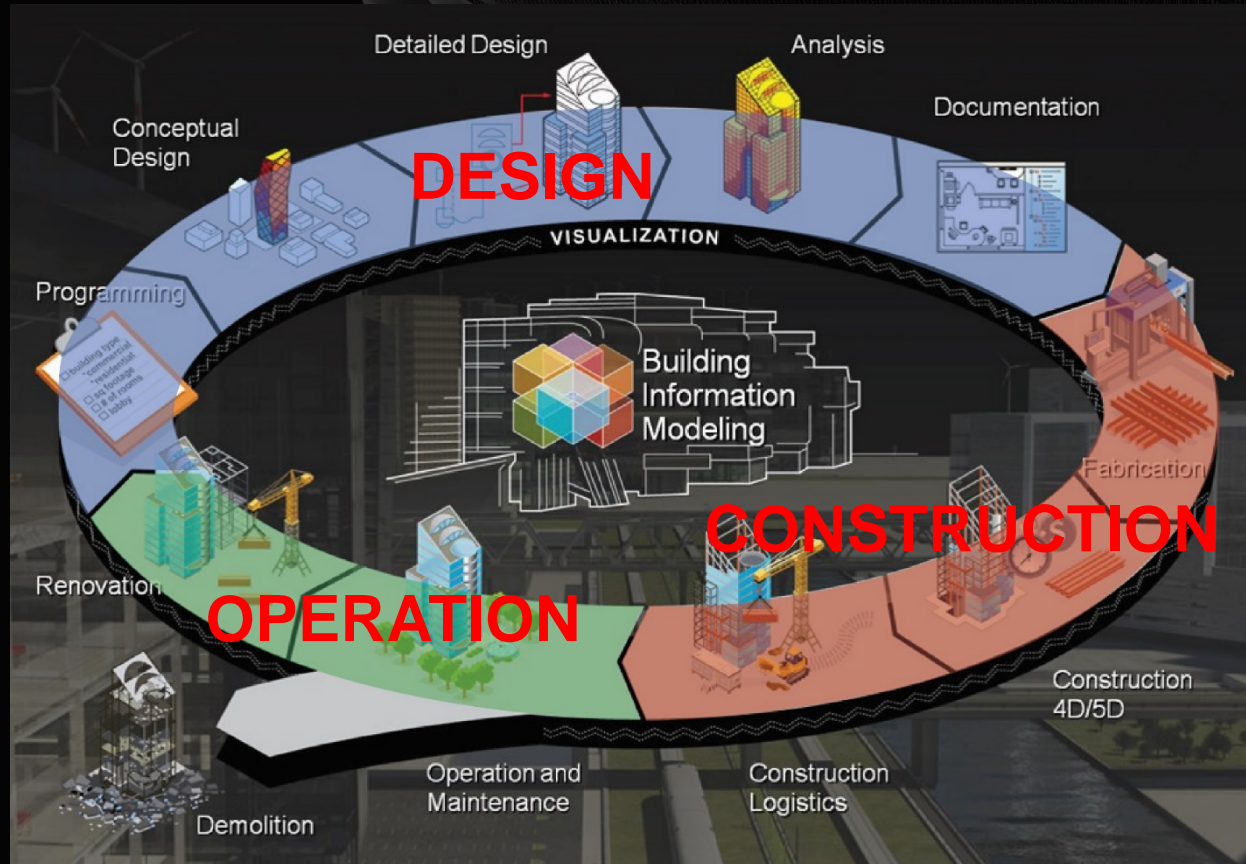
資訊

M

= Modelling

模型/ 模擬

Project Life Cycle 全生命周期



Building Projects

Modelling

- Plan
- Section
- Elevation
- Area Diagrams
- Schematic Designs
- General Building Plan
- Structural Plans
- E/M Drawings
- Schematics
- Other Diagrams

Information

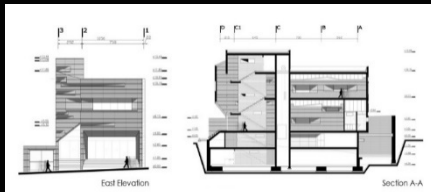
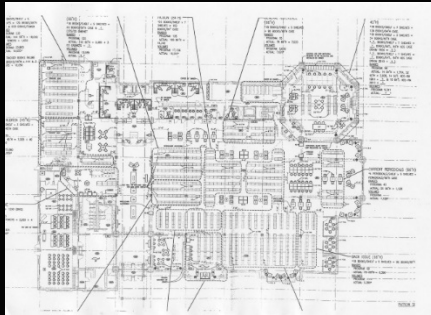
- Area Schedule
- Fitting Schedules
- Door/Window/Louvre Sch
- Beam/Column Schedule
- Equipment Schedule
- Cost Estimate
- Quantity Take Off
- Bills of Quantities
- Variations

BIM

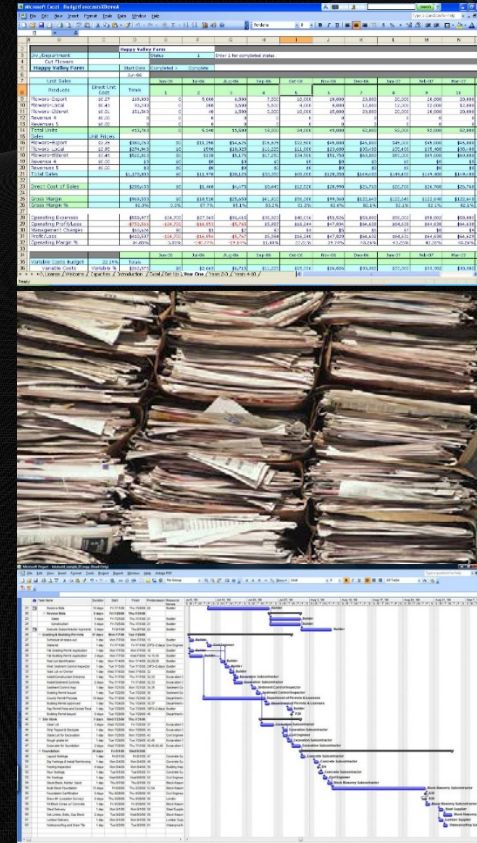
Building Information Modeling

信息化建築模型

Modelling



Information



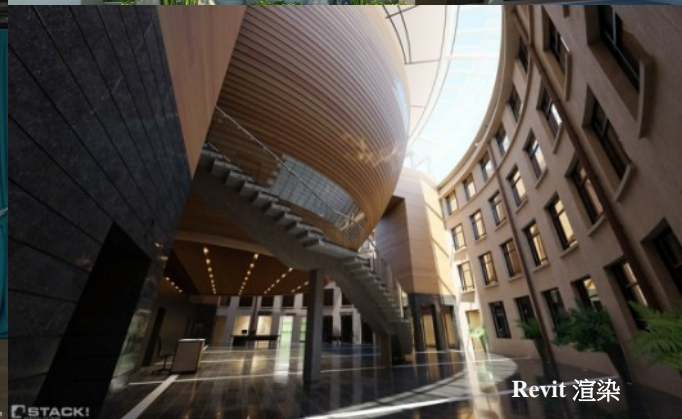
Fake BIM

M + ?

JUST 3D MODEL – NOT BIM



Fake BIM



Fake BIM

- Rendering
- CG (Computer Graphic)
- Animations
- Interactive Gaming

**Use BIM tools not
necessarily means
BIM!**

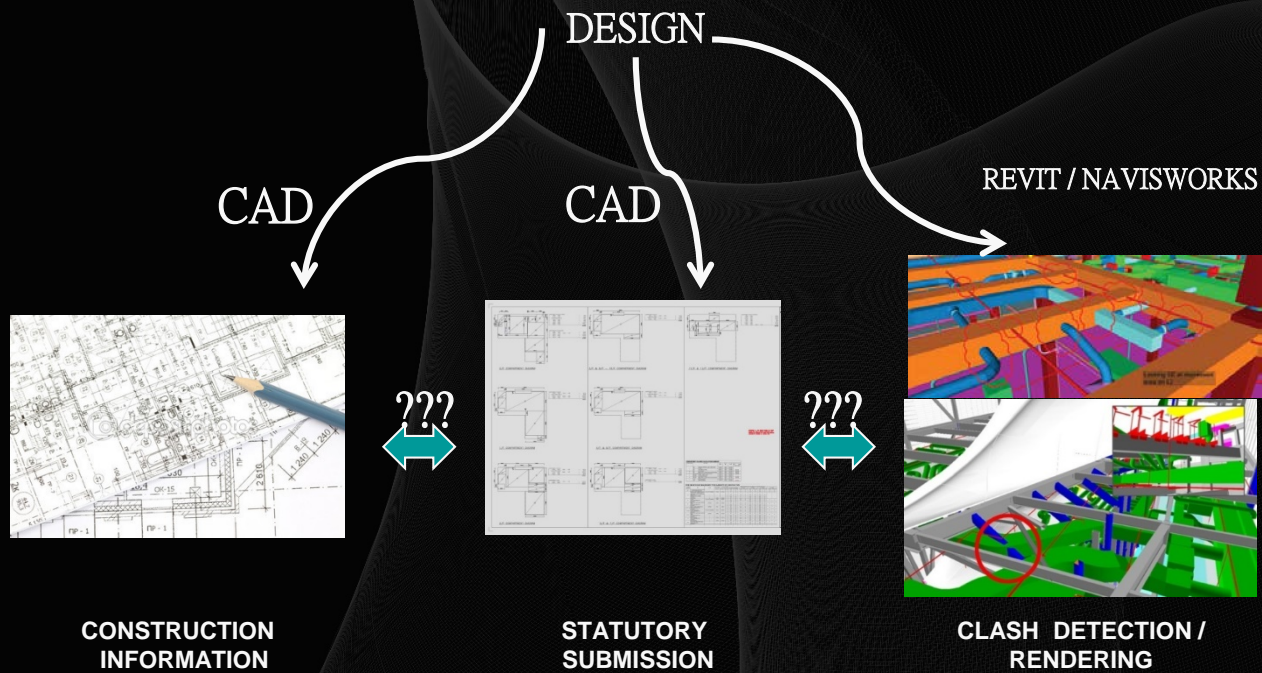


HALF-BIM

I <> M

3D MODEL >> QTO , CLASH ANALYSIS

HALF BIM



REAL BIM

INFORMATION FROM MODEL,
INFORMATION MORE IMPORTANT

|

=

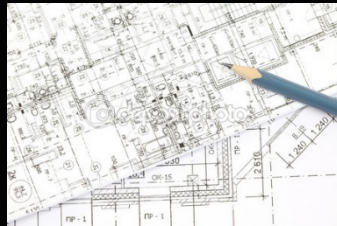
M

|

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M

REAL BIM

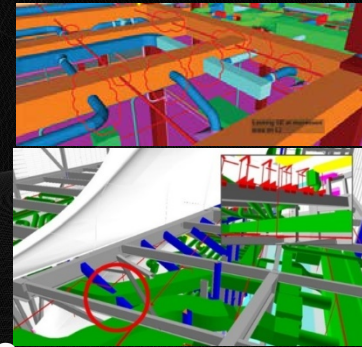


CONSTRUCTION
INFORMATION

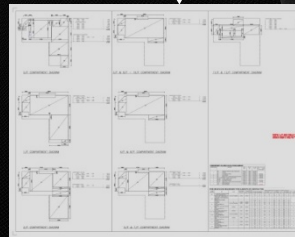


DESIGN
in
BIM

Single Source Database



CLASH
DETECTION



STATUTORY
SUBMISSION

I'M LOOKING FOR HELP ON THIS, VIRTUAL TEAM...

VIRTUAL TEAM MANAGER

Function

IT'S NOT IN MY P & L.

Country

IT'S NOT IN MY OBJECTIVES.

Product Group

I'D LIKE TO HELP, BUT...

Traditional silos getting in the way?

3. Collaboration

Demolition

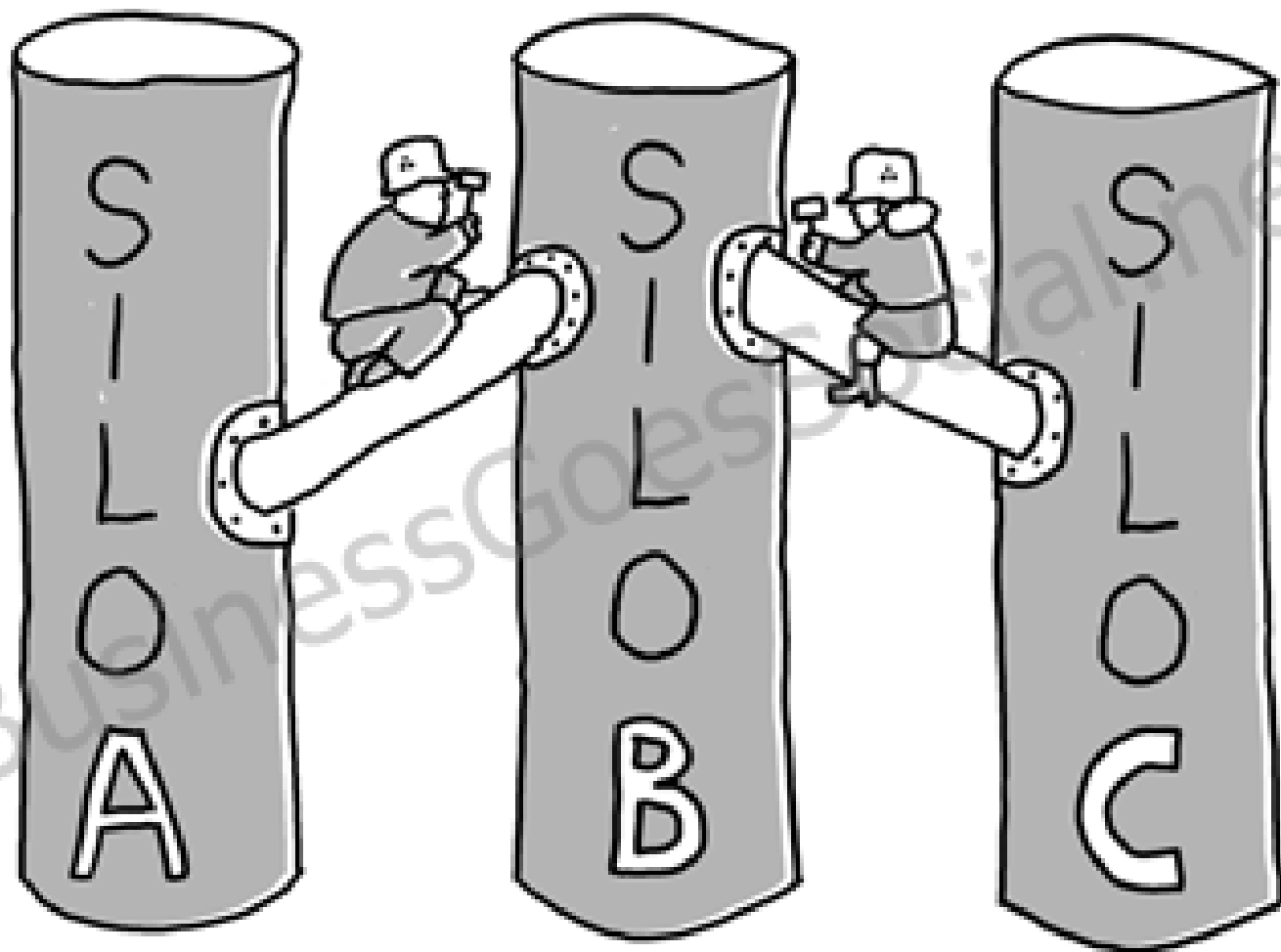


Surplus Materials

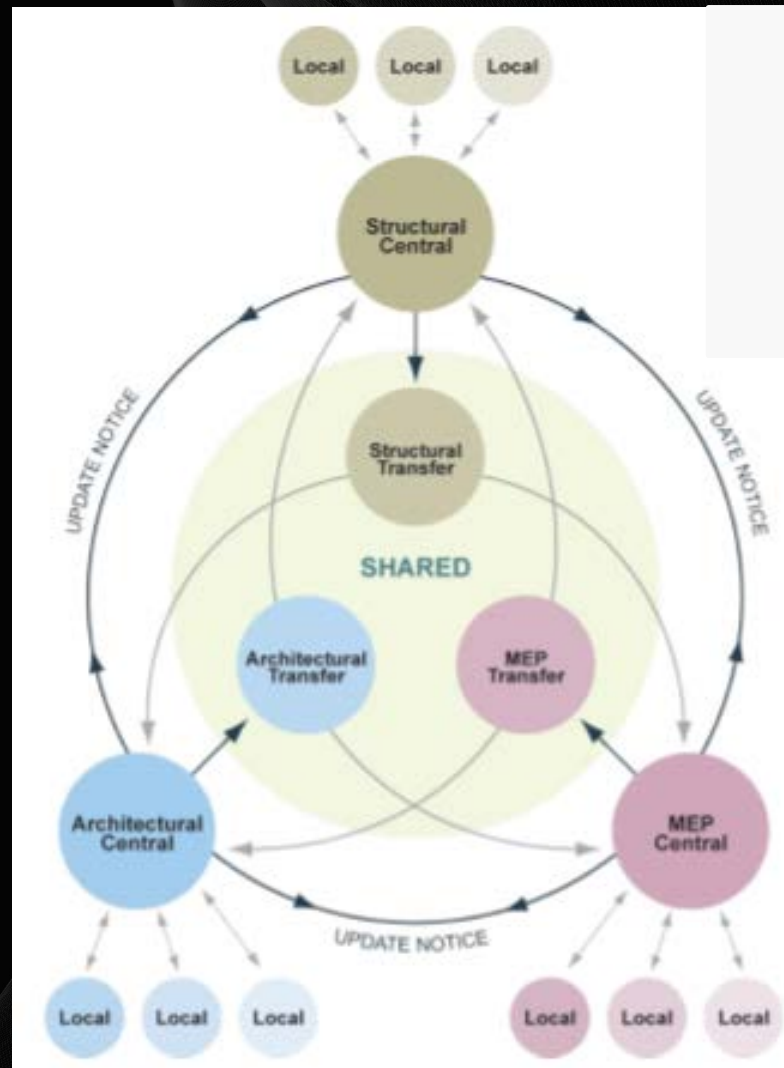


Lack of co-ordinations / Mistakes

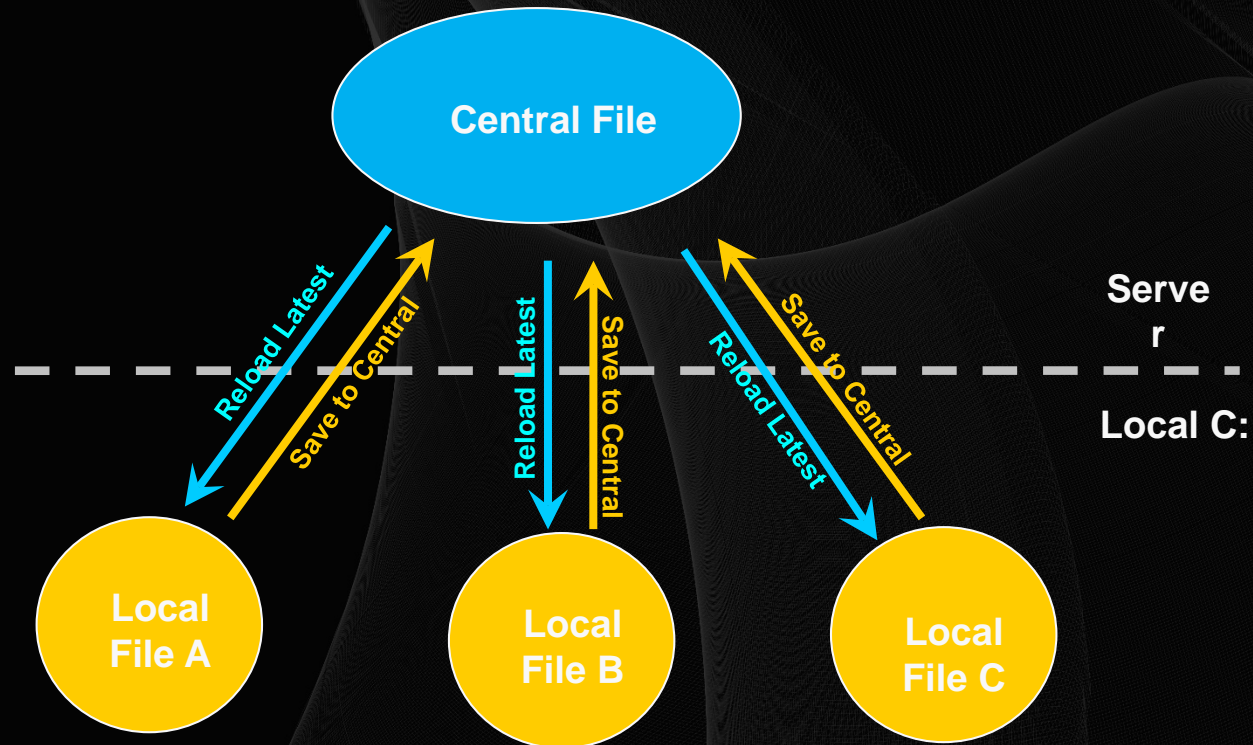


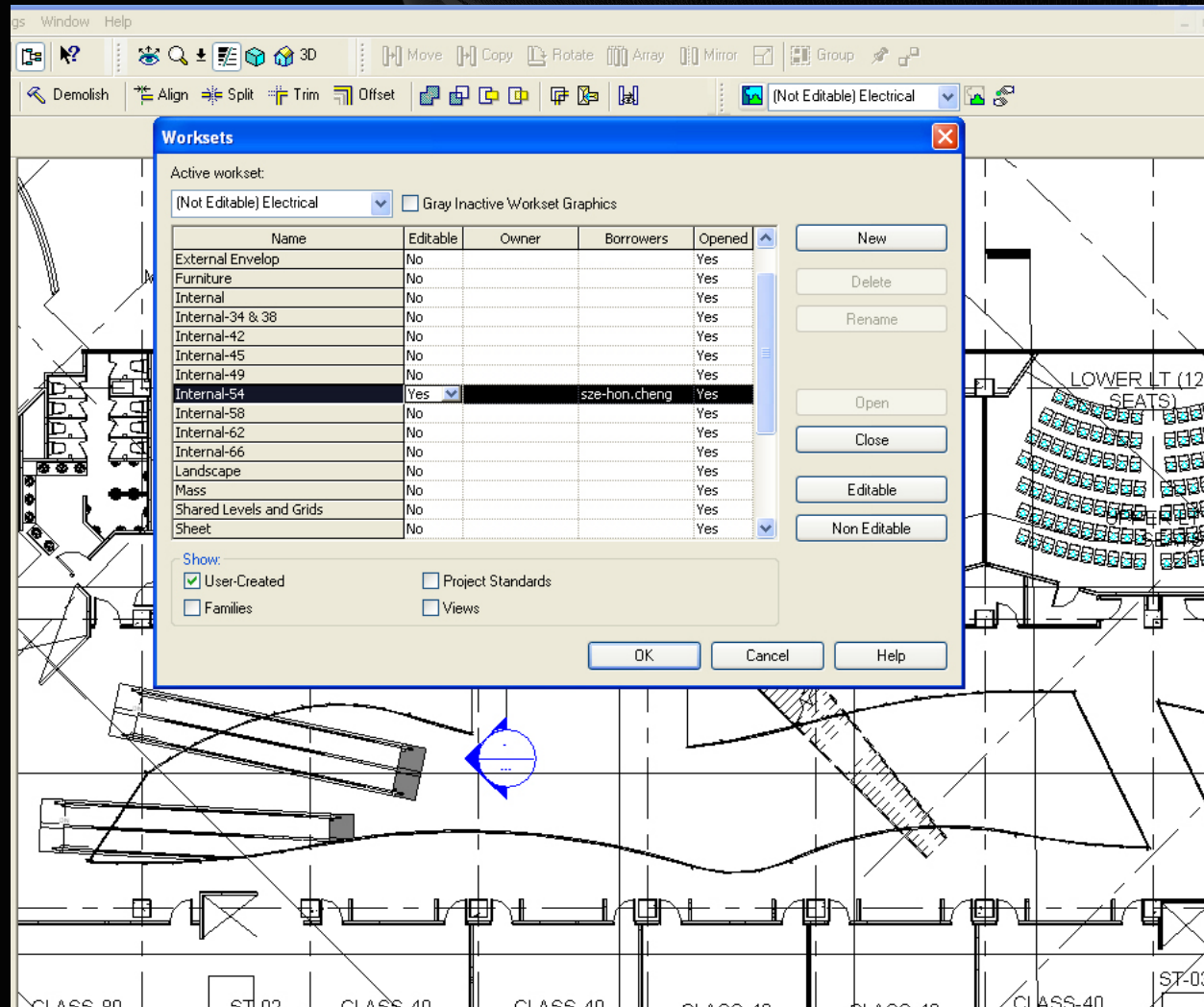


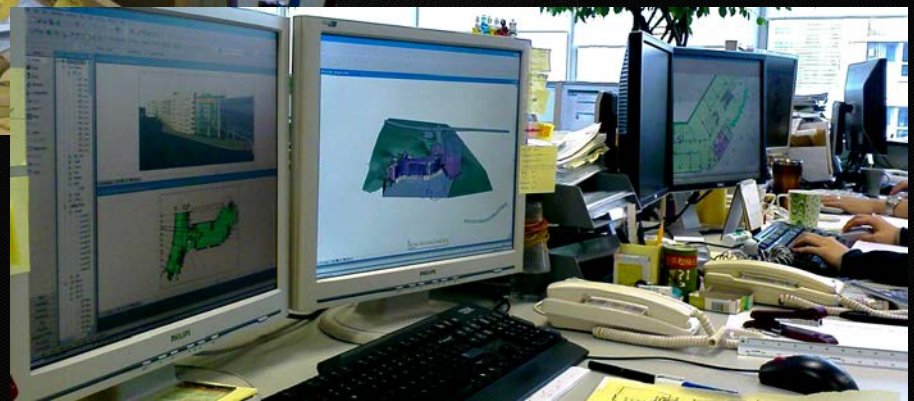
Inter-disciplinary Collaboration

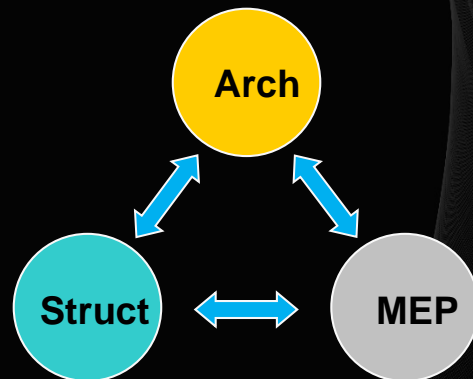


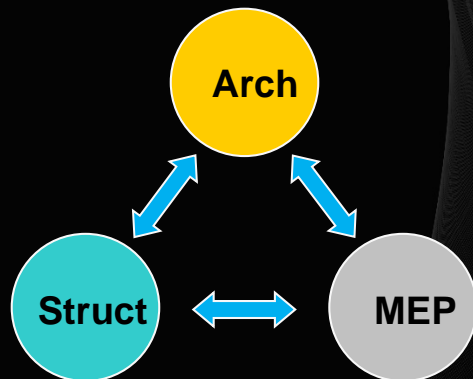
Internal Collaboration – Same Discipline



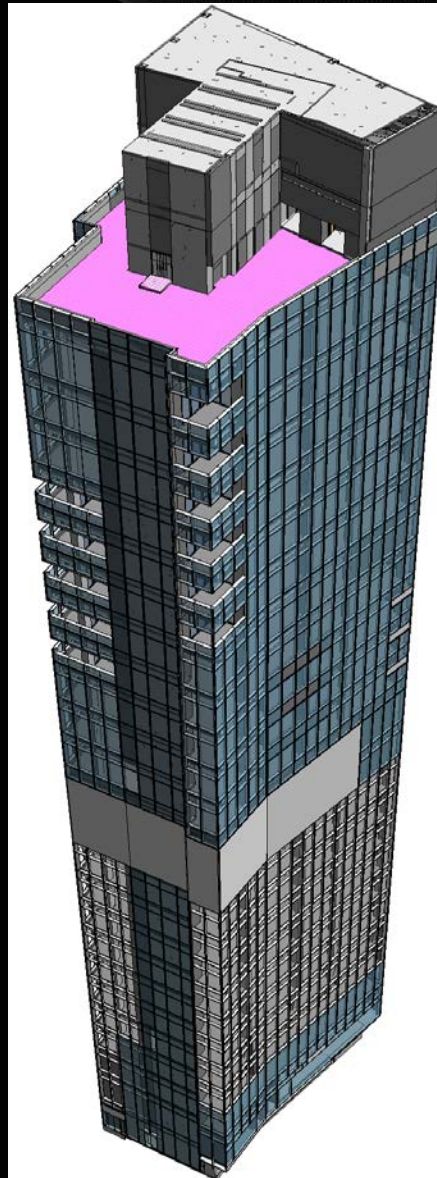




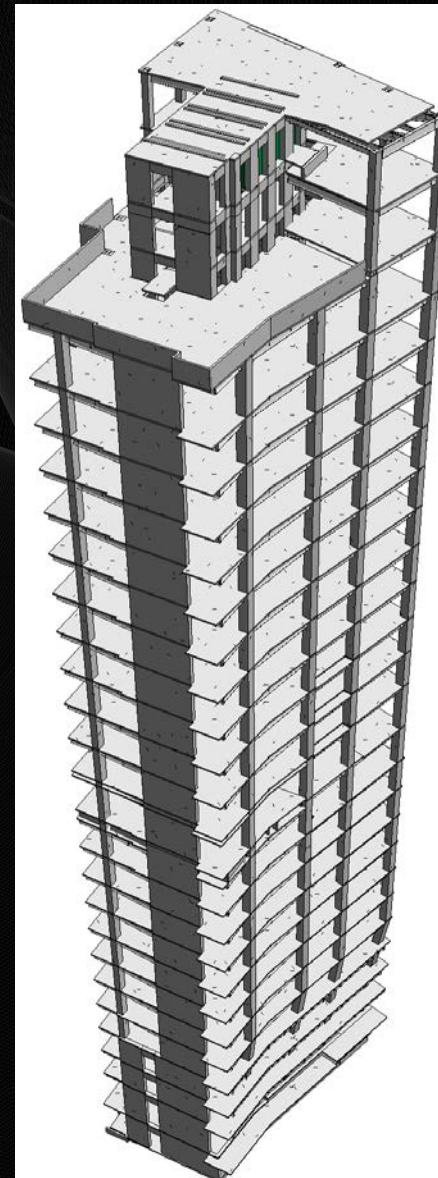




Best Practice: Office with All Disciplines
Second Best: Efficient Communication



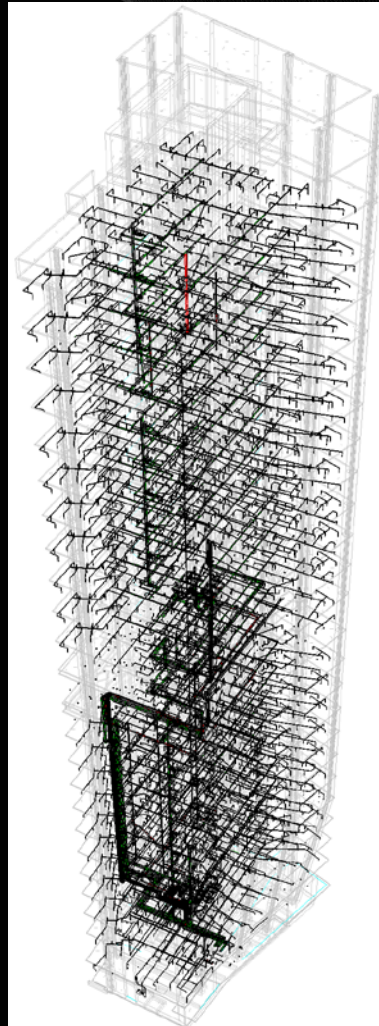
Architecture



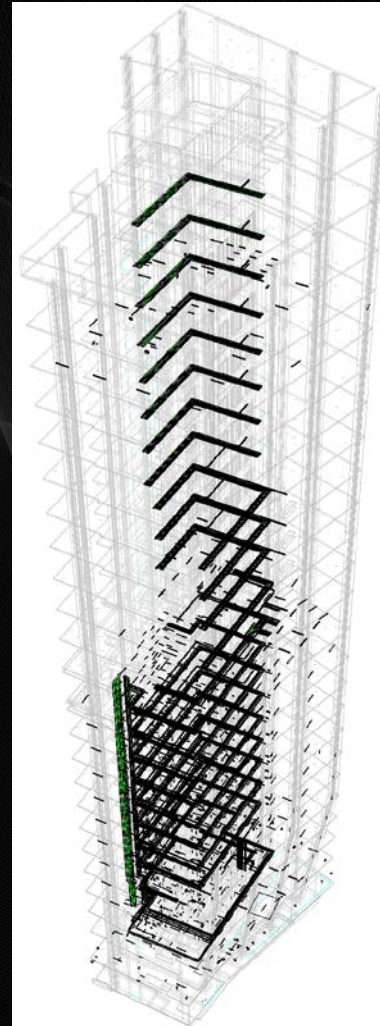
Structure



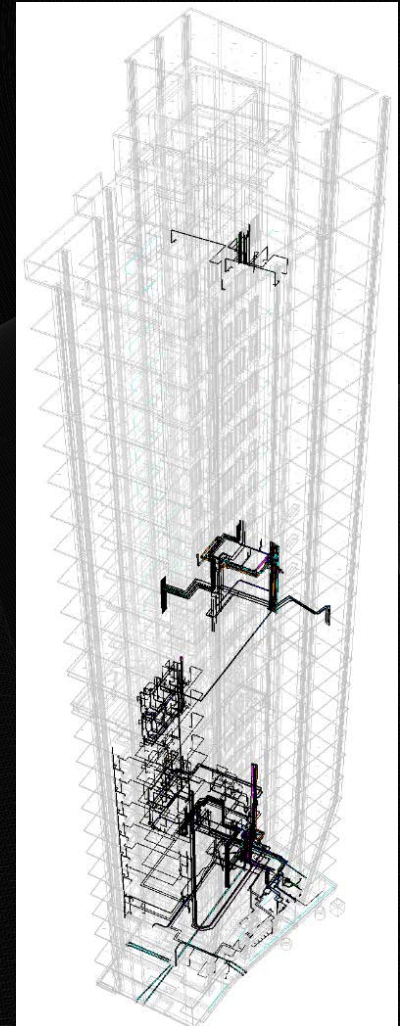
HVAC Installation



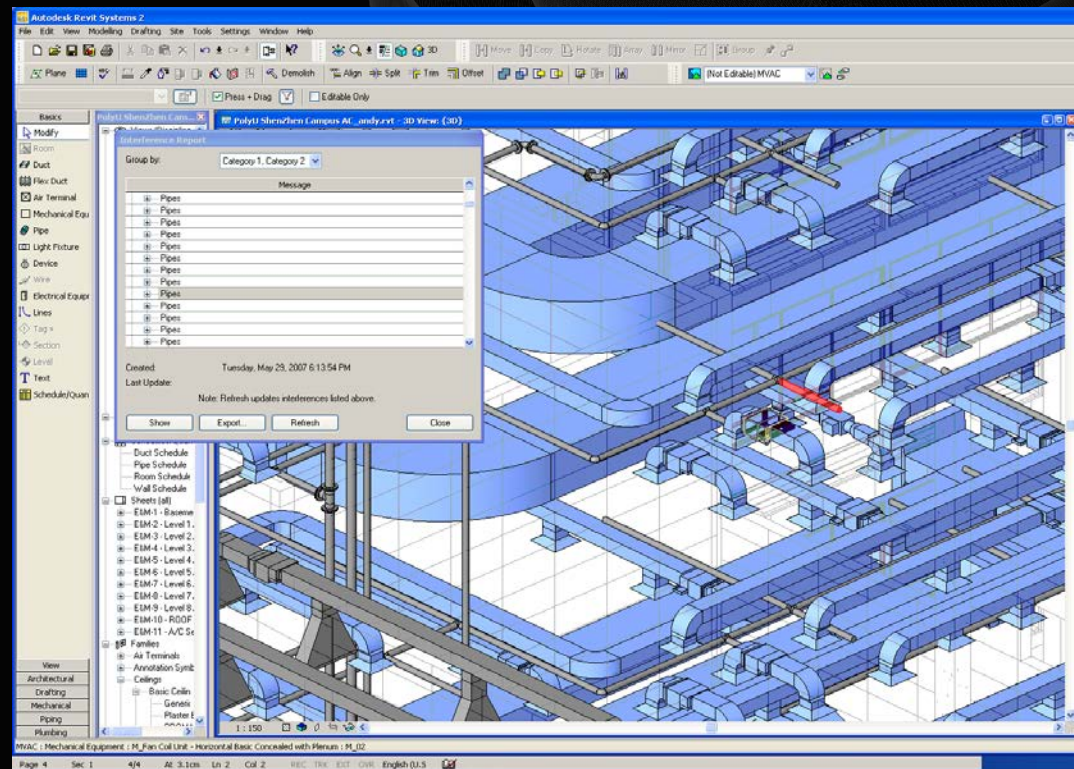
Fire Services Installation



Electricity Installation



P/D Installation





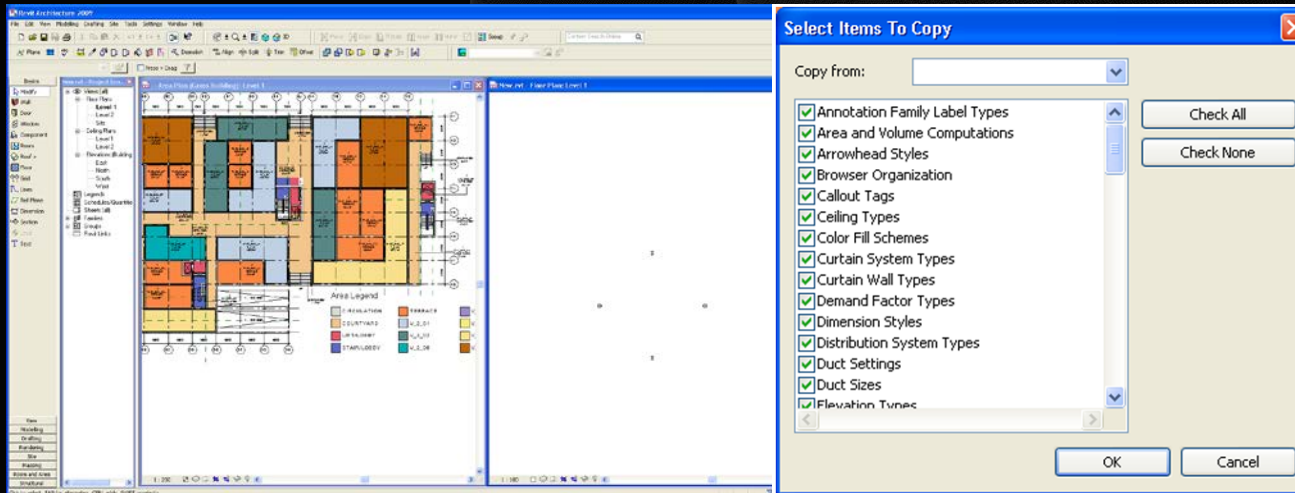
Communication

Email (?) / FTP

Time Lag

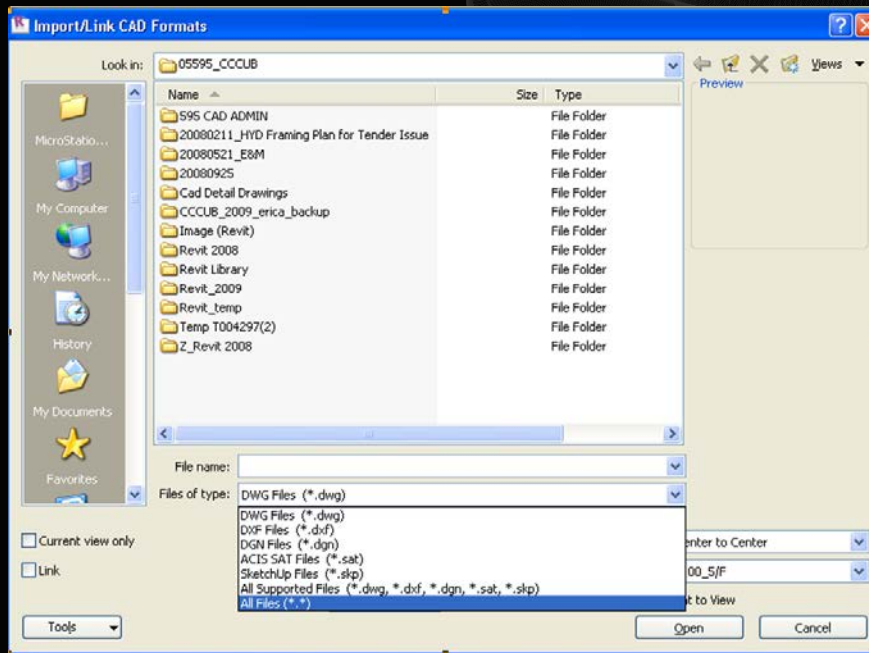
Same Co-ordinate, Height

Different Project Standard



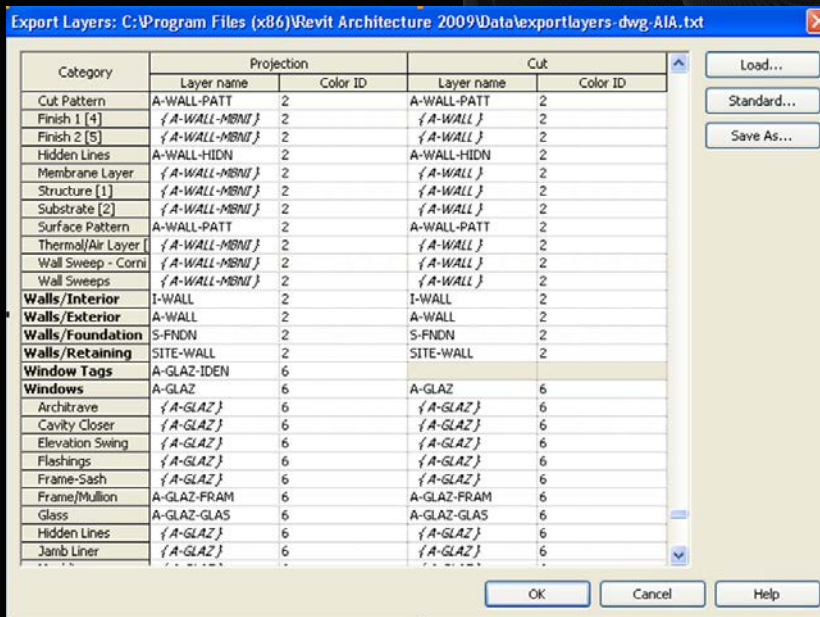
Filing Conversion

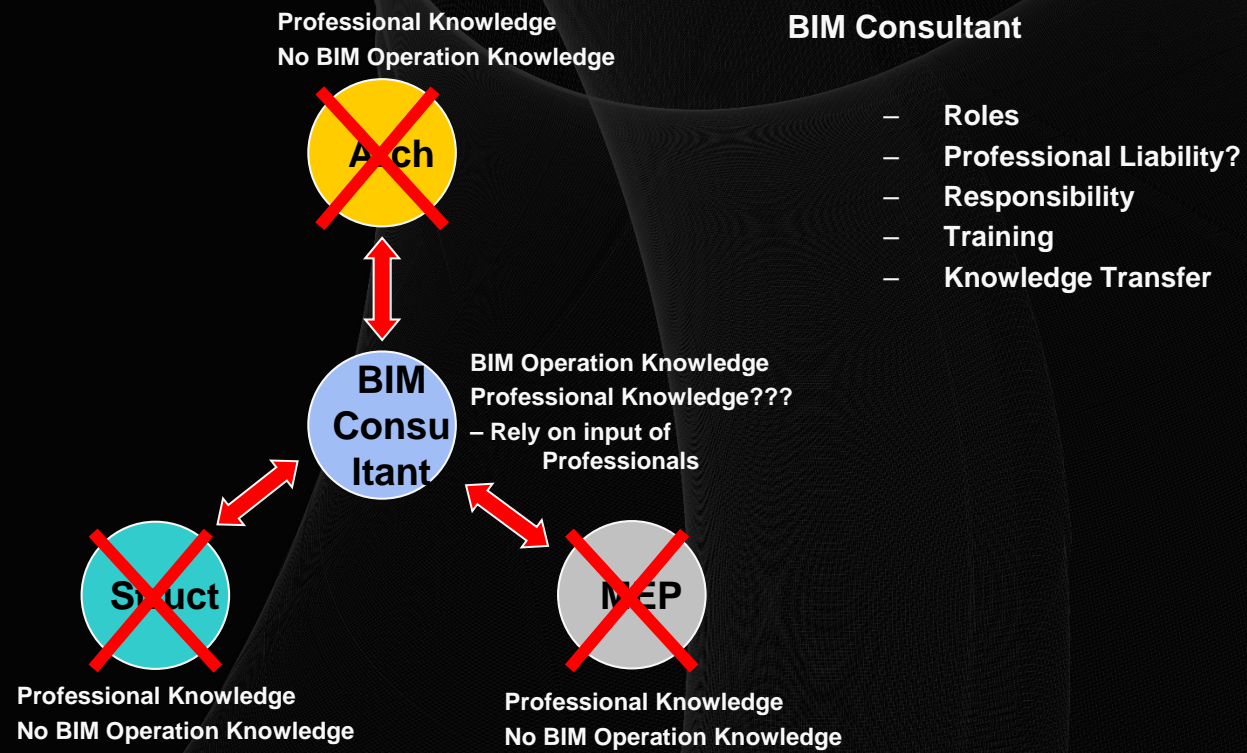
Receive information – Rebuild from traditional 2D to 3D presentation



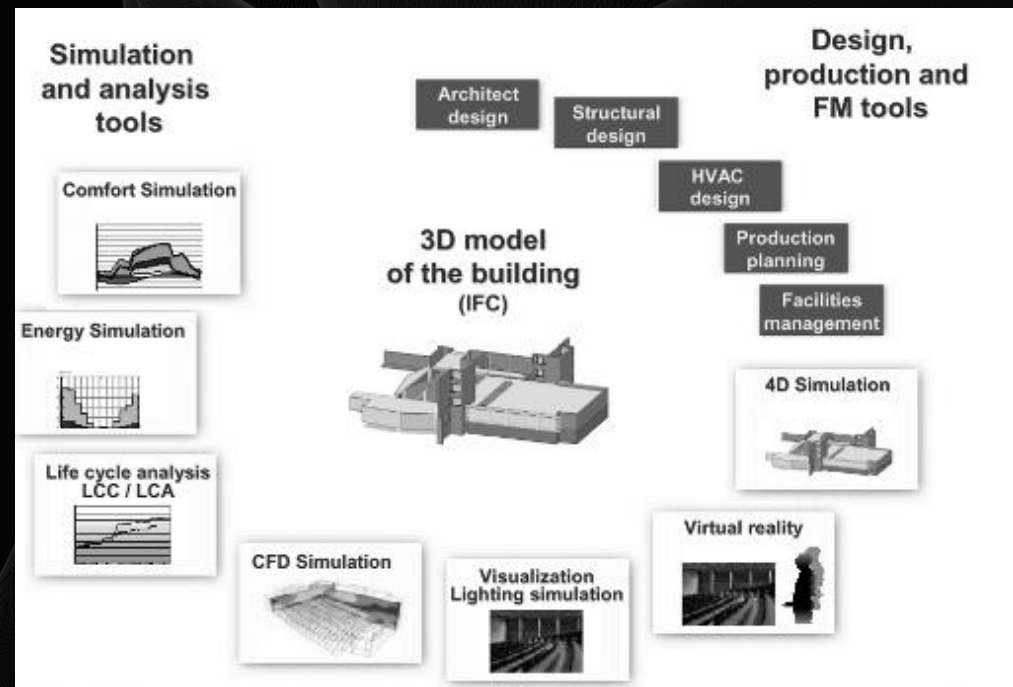
Filing Conversion

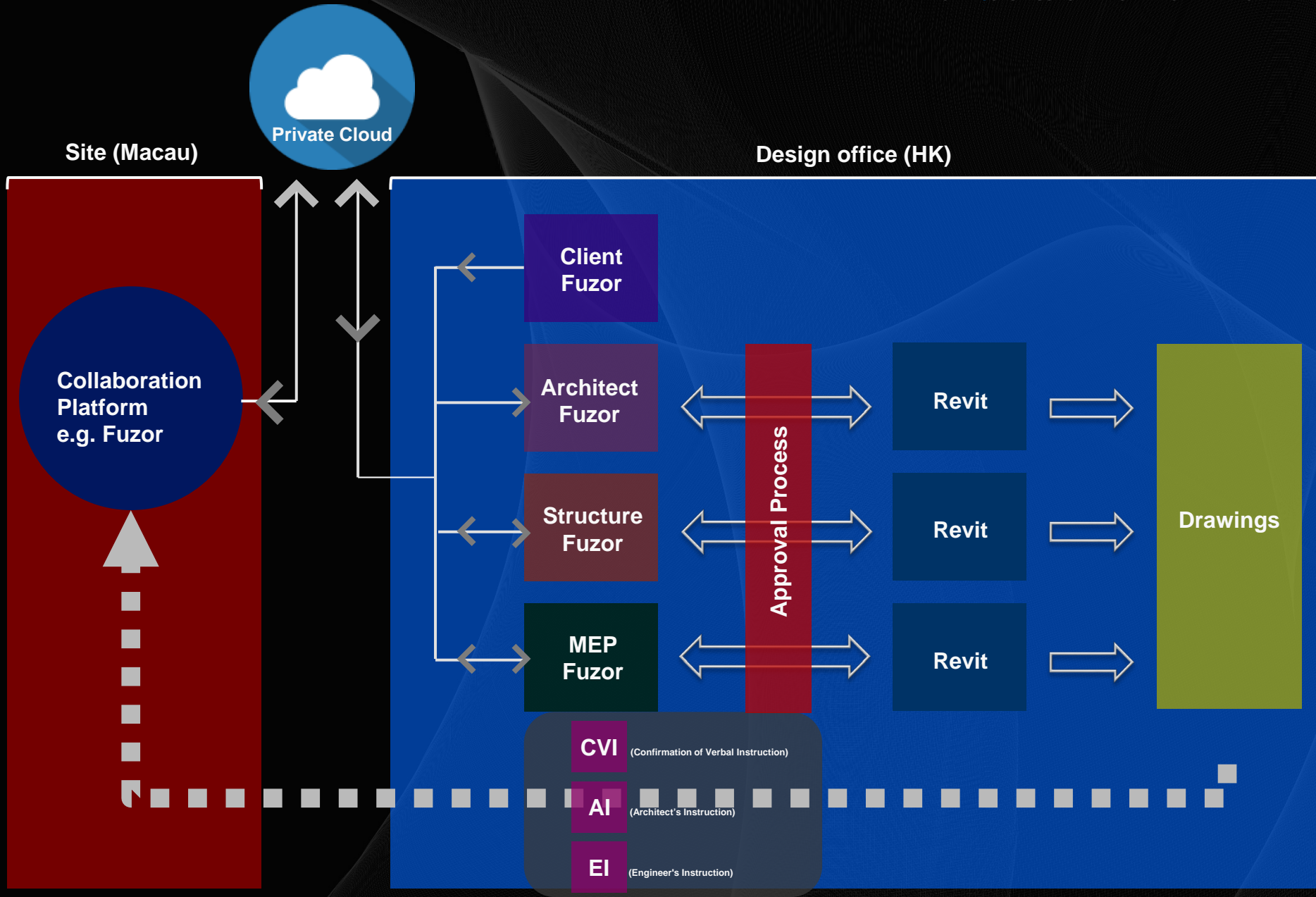
Release Information – Convert back to other 2D information, lost of information, CAD standard



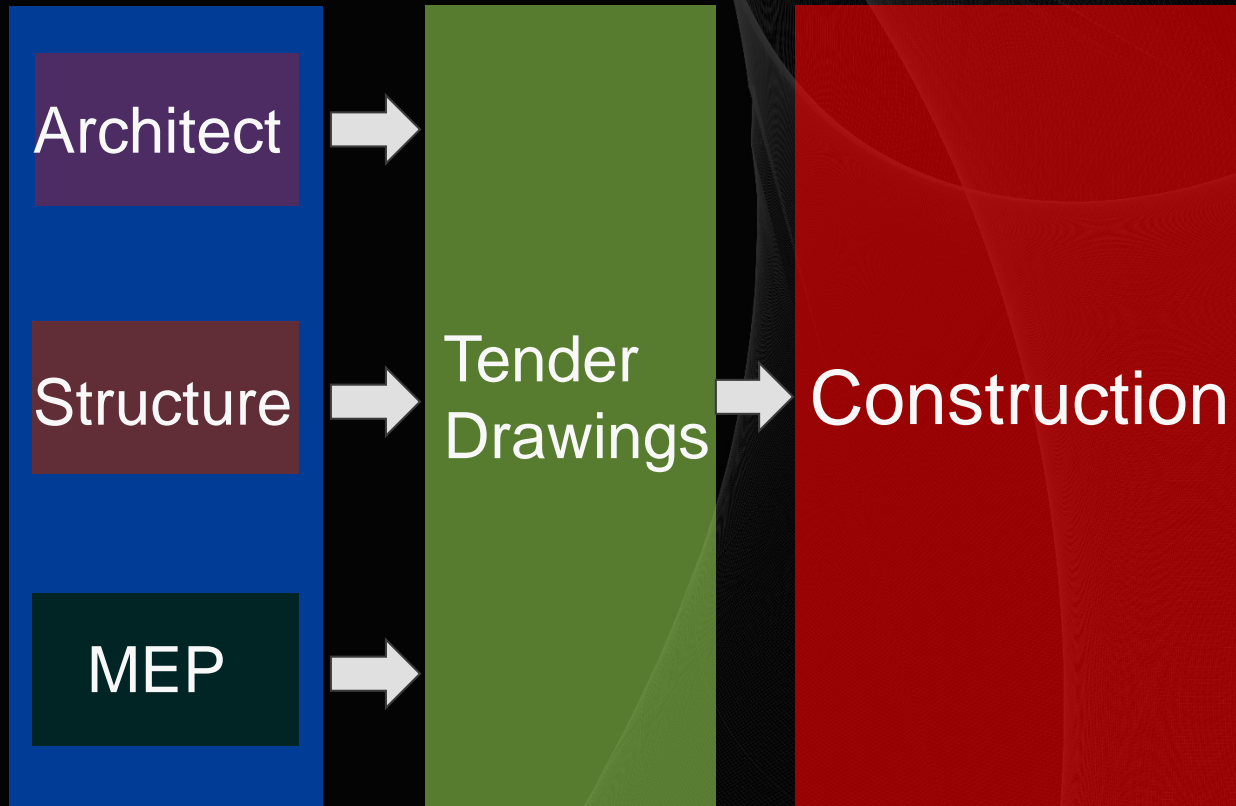


QS, Environmental Consultants
Specialist...

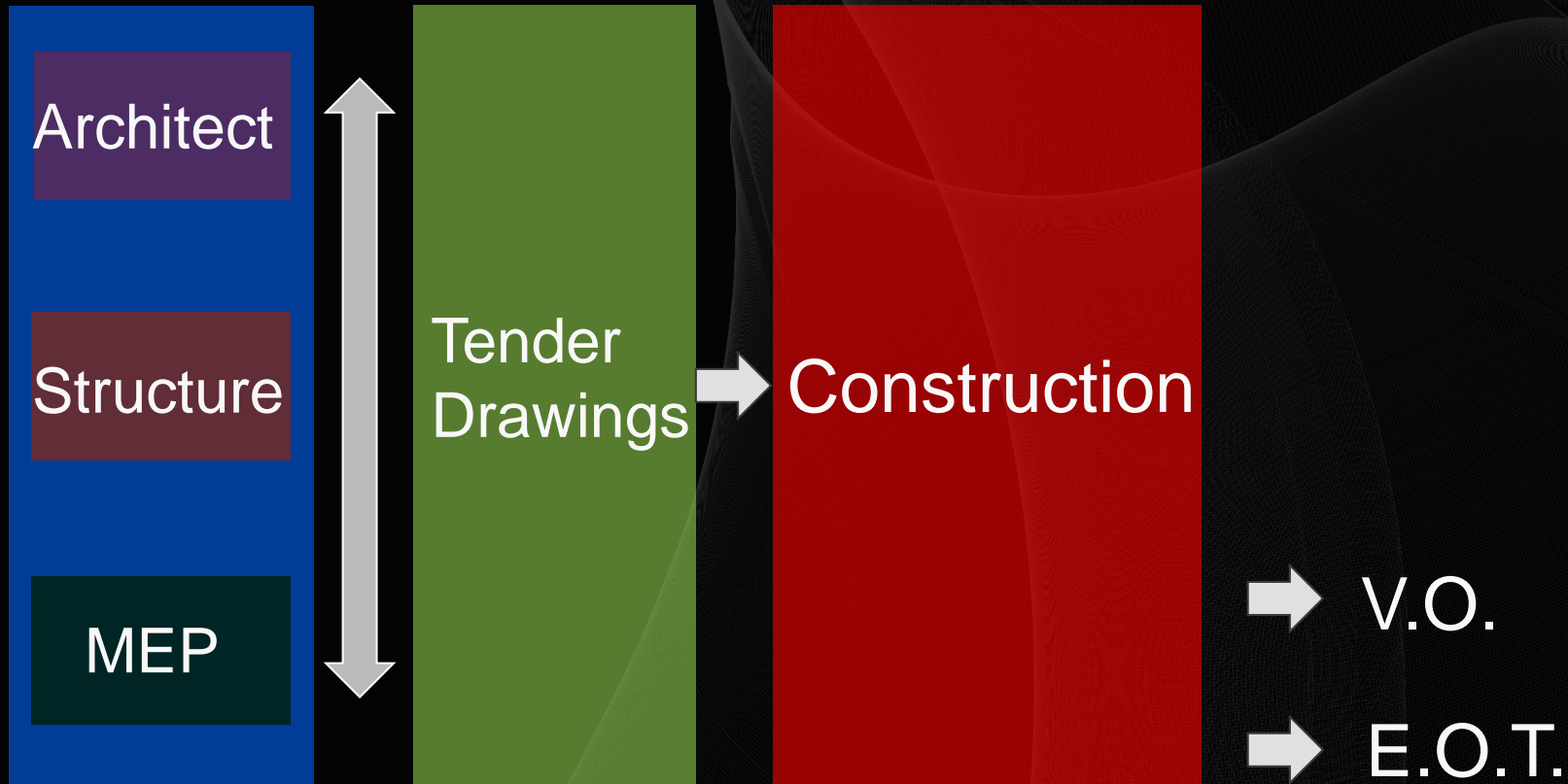




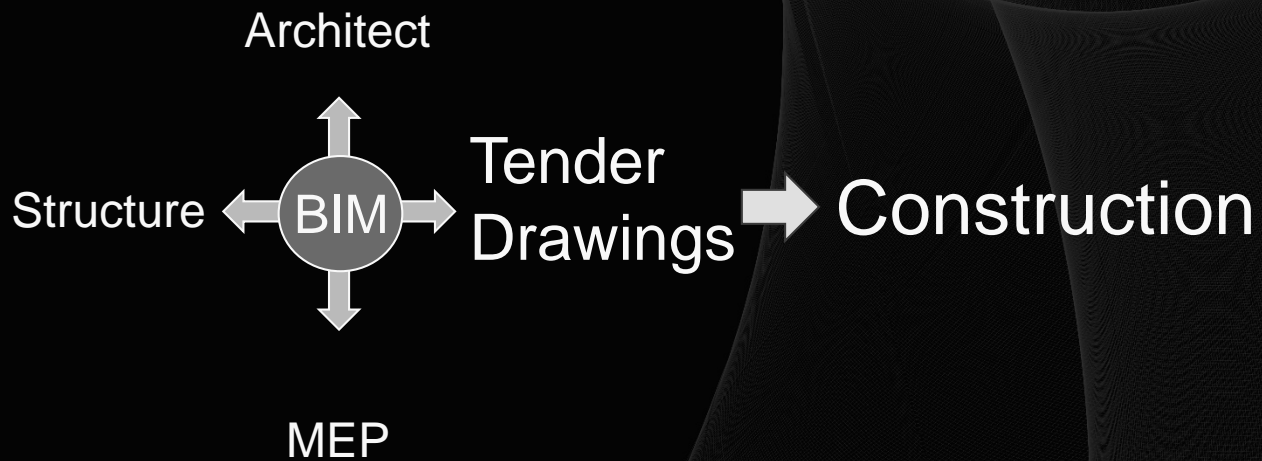
Paper



BIM Silo

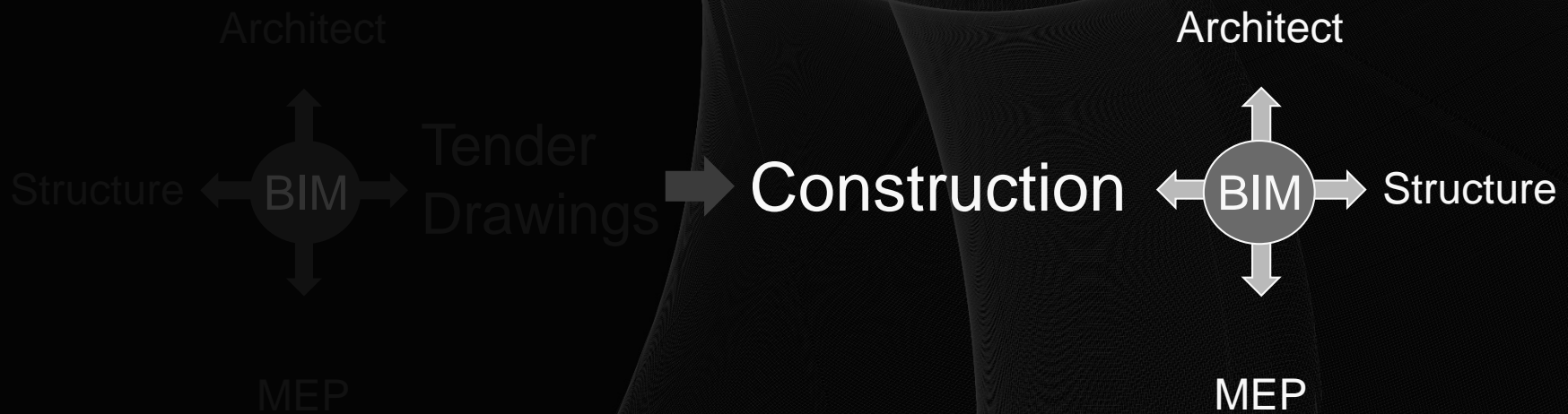


BIM Out of Silo

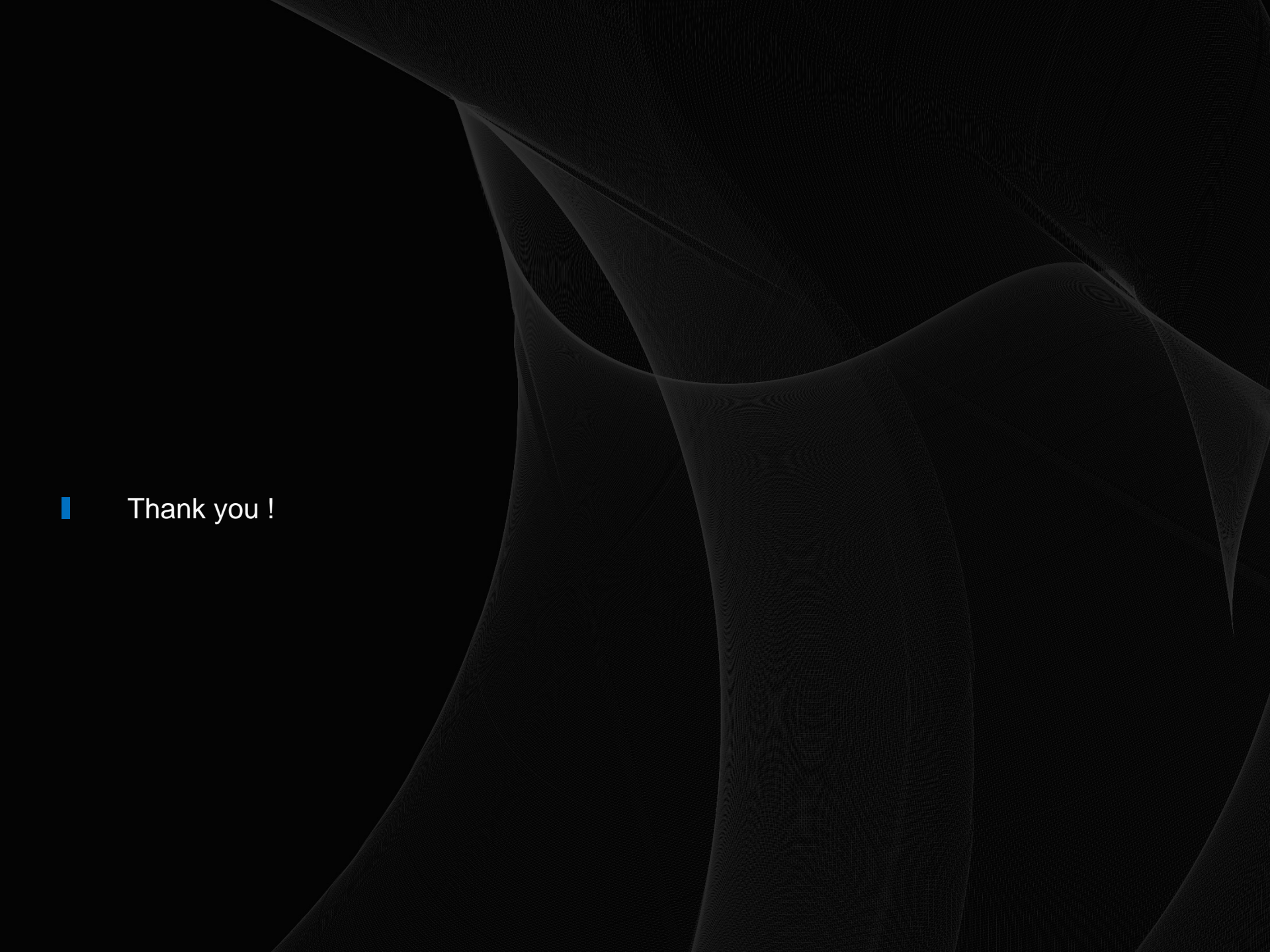


BIM

From Design to Construction



Fuzor Collaboration Video



■ Thank you !