



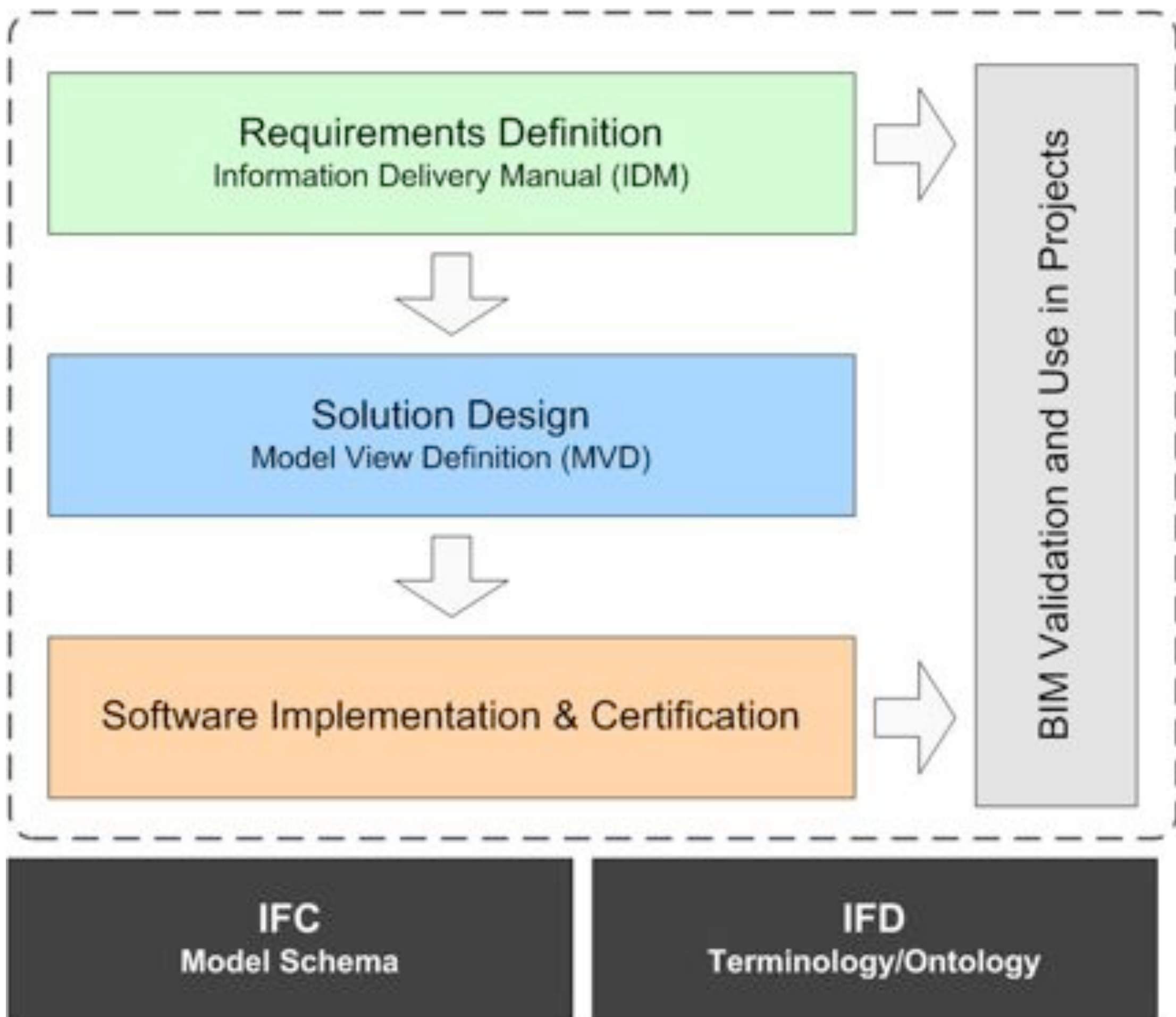
Sustainable, Green and High-Performance
Solutions for the Built Environment



Science & Technology for Architecture,
Engineering & Construction

NBIMS - Project Methodologies

- Kimon Onuma - Onuma, Inc. - IFC



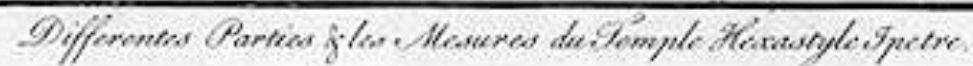


I.F.C.

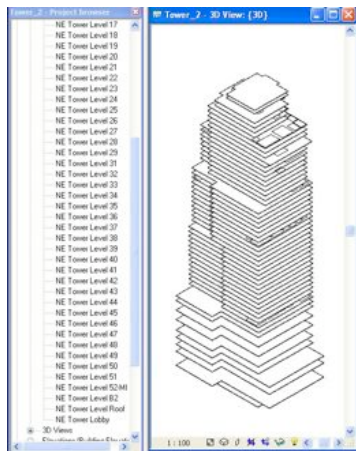
Industry Foundation Classes

Standards

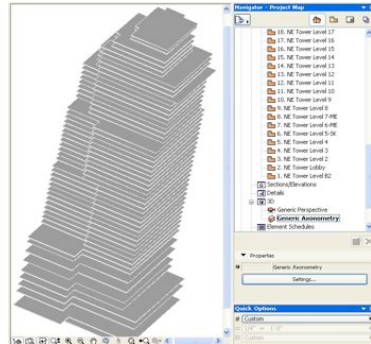
North America Grounded NEMA 5-15	Japan Non-grounded JIS C 8303	Europe German style CEE718 Schuko	Europe French style Schuko	Europe/Russia Non-grounded CEE718 Europlug	Great Britain Grounded BS-1363	Great Britain "Shaver socket" BS-4573
Australia/China Grounded AS-3112	Italy Grounded CEE 23-16	Switzerland Grounded SEV-1011	Denmark Grounded SRAE 1962/08	Israel Grounded SI 32 (IS 16A-R)	India Grounded BS-546 "Small"	South Africa Grounded BS-546 "Large"



“What BIM platform should we use?”



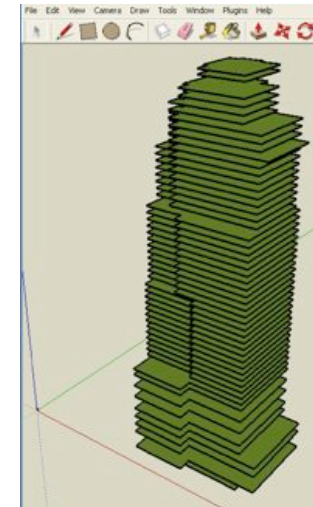
Revit



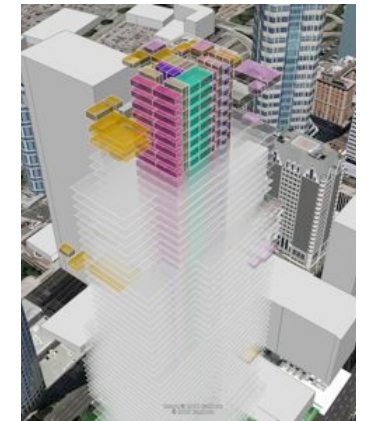
Archicad



VectorWorks



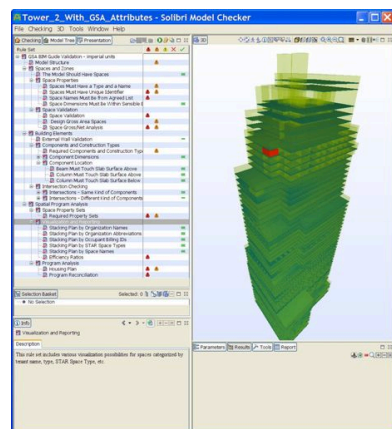
SketchUp



Google Earth

Space Name	Floor Number	Space Area
Offices	40	4500
Conference	40	2300
<hr/>		
Gym	39	13450
Training	39	2400
Storage	39	400
<hr/>		
Retail	1	7600
Restaurant	1	12800
Lobby	1	6700
Total SF		622,173

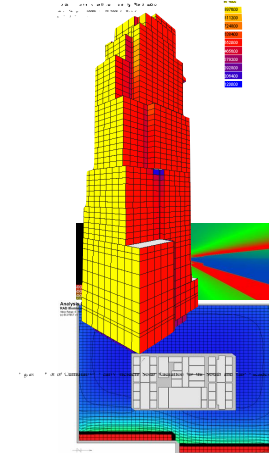
Excel



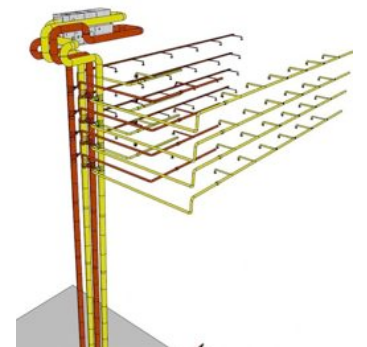
Solibri



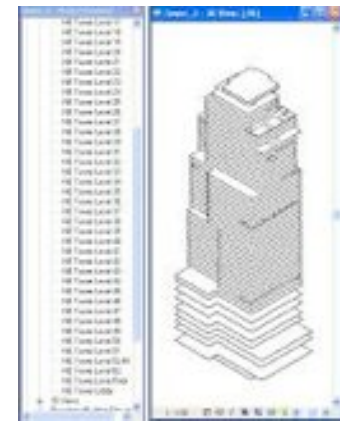
OPS



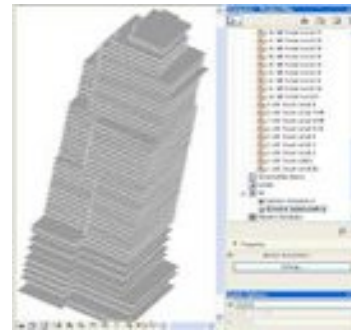
Ecotect



DDS CAD



Revit Architecture
& Structure - IFC



Archicad
IFC



DDS-CAD - IFC



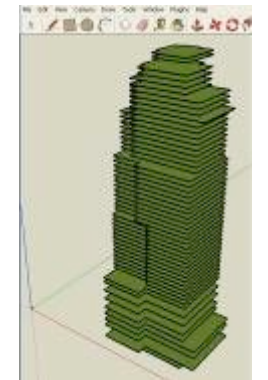
Onuma Planning System
IFC



VectorWorks
IFC



DProfiler



SketchUP
IFC



Solibri - IFC

Who Owns The BIM?



Owner



Architect

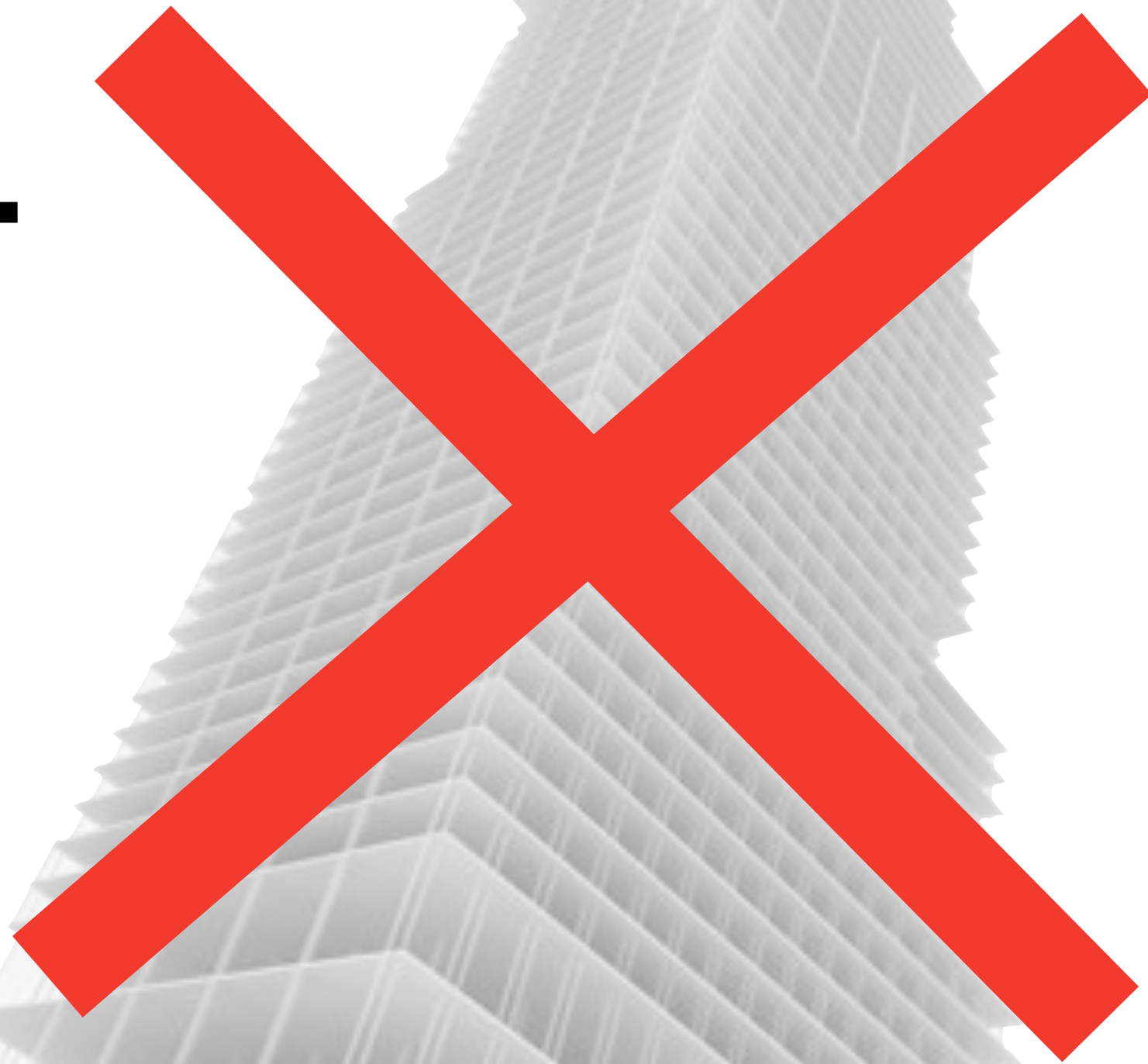


Engineer



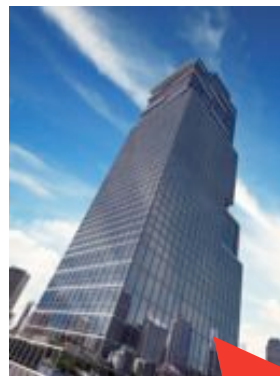
Contractor

It is
NOT
One
BIM





Architect



Arch.



Contractor

One Standard



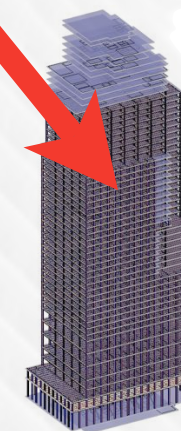
TM



Engineer



Mech.



Struct.



Engineer

Many BIMs



Architect



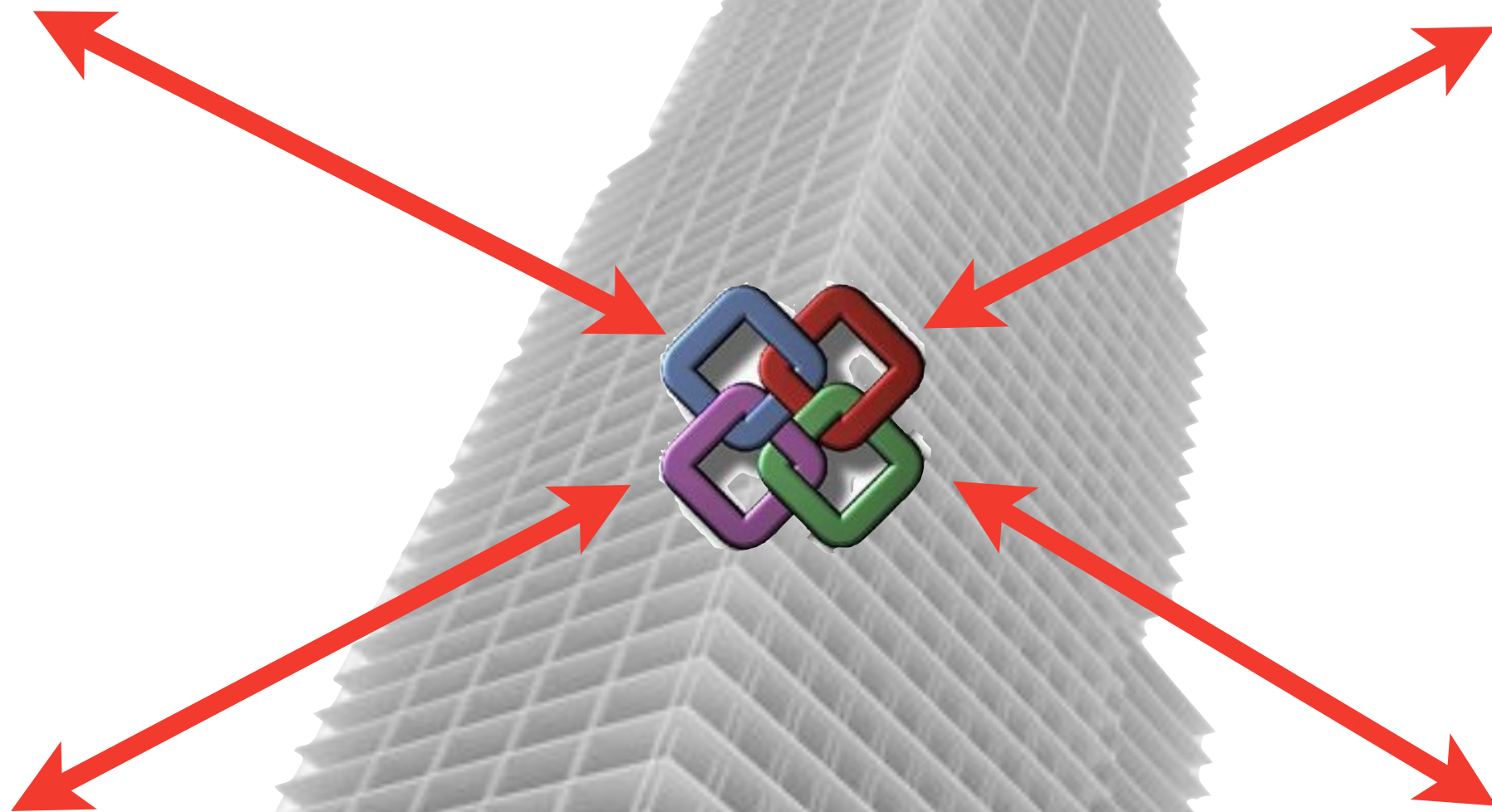
Contractor



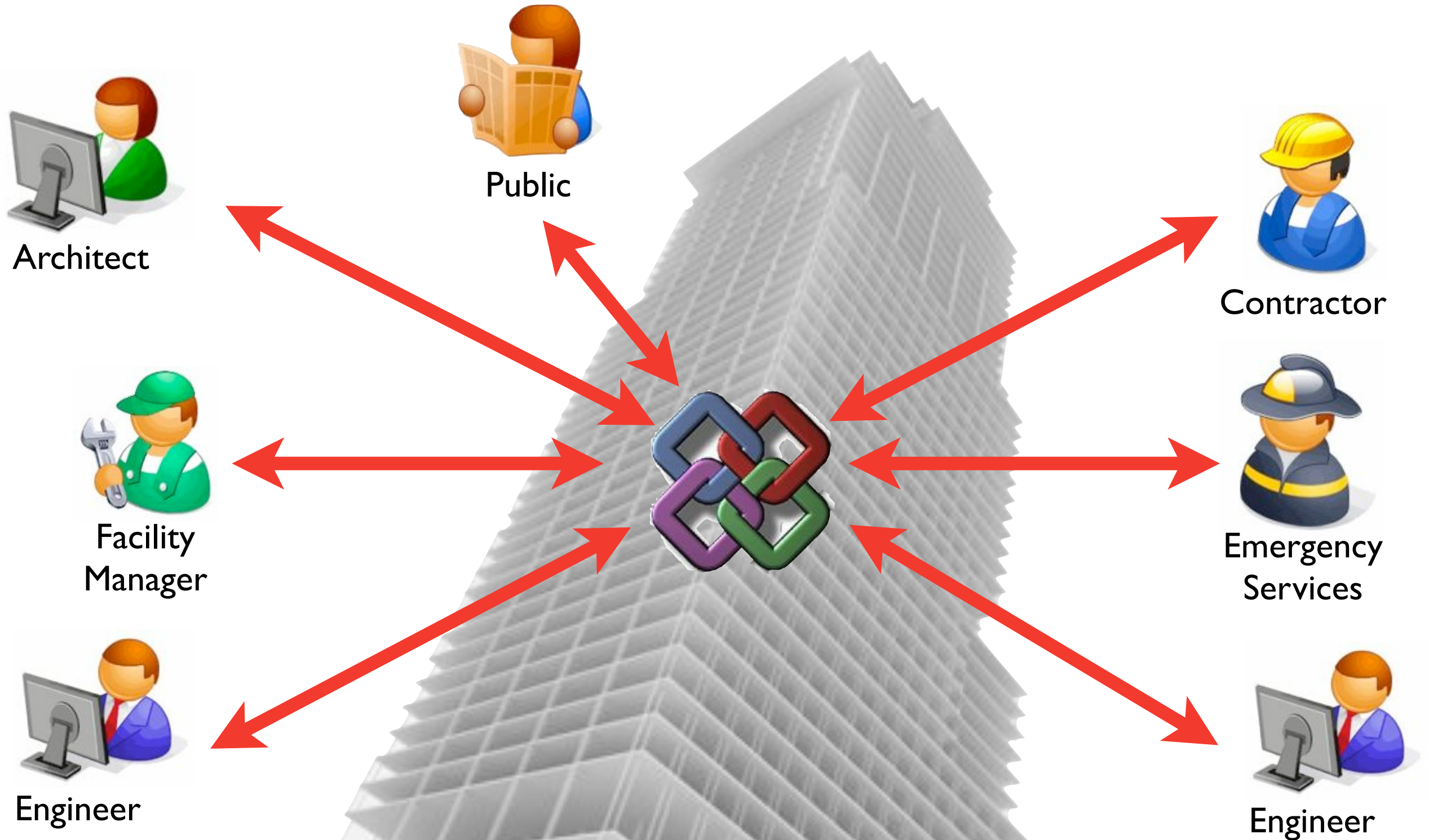
Engineer



Engineer



Accessible to All



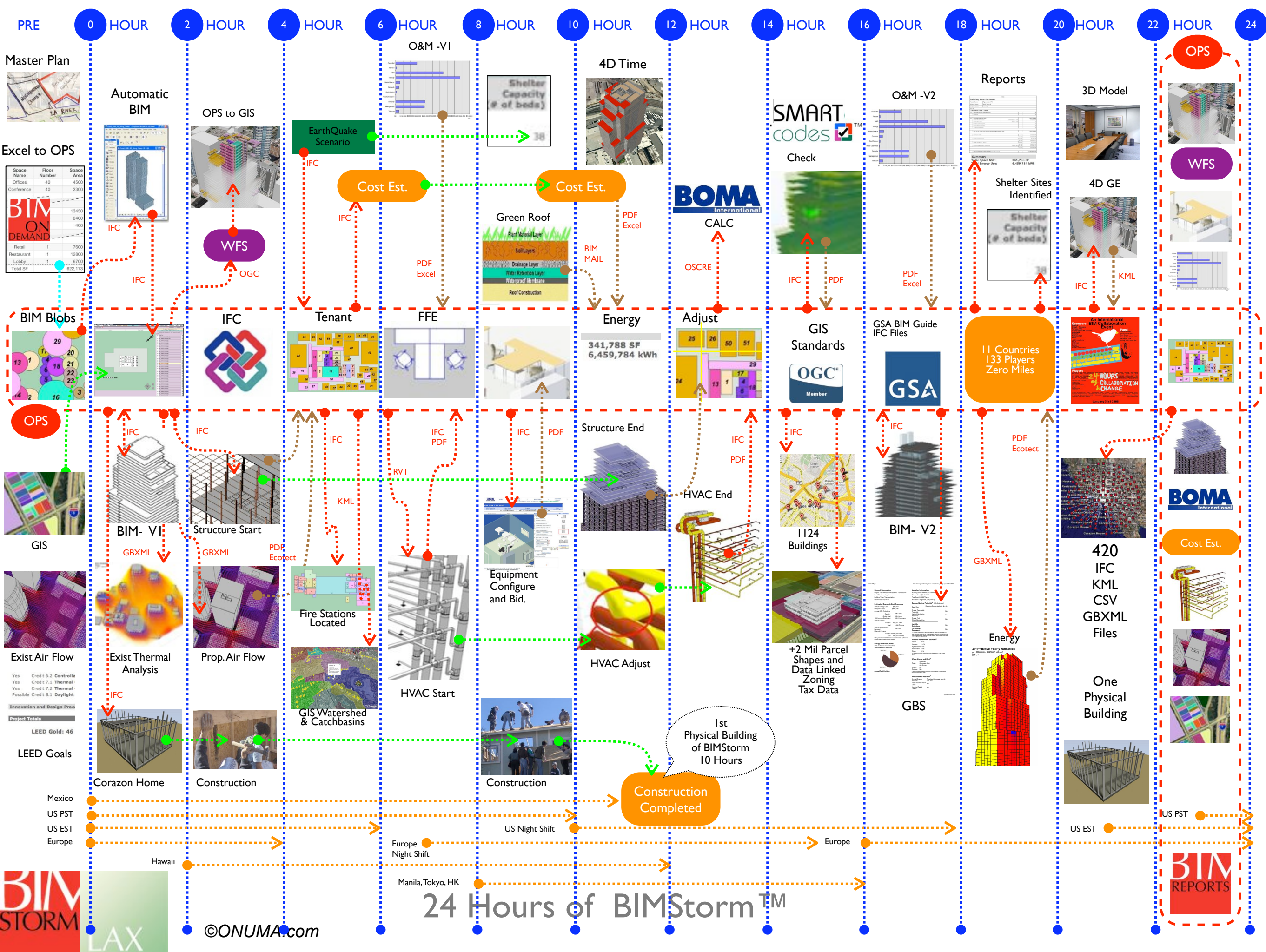
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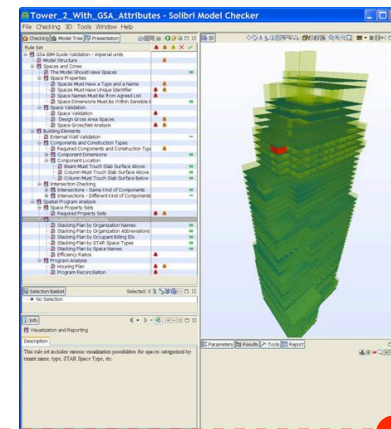
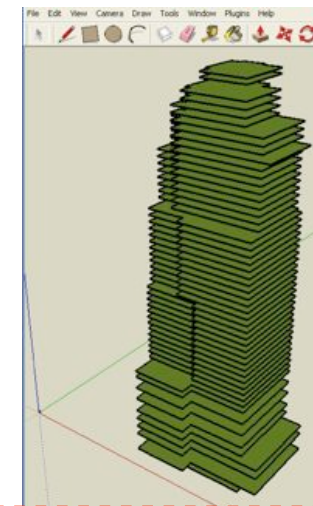
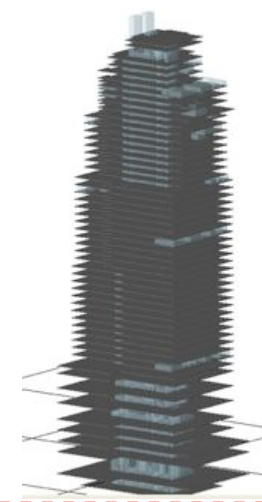
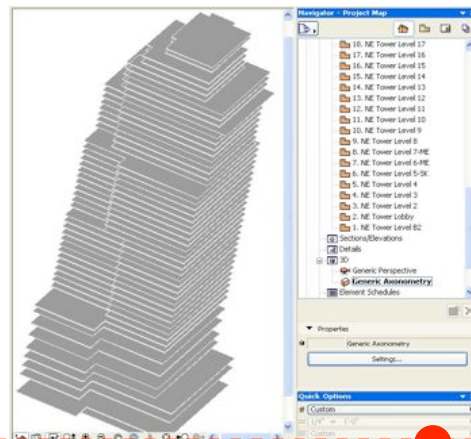
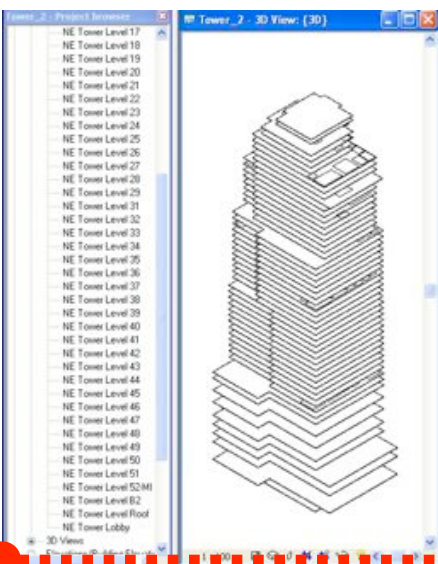


420 I.F.C. BIMS

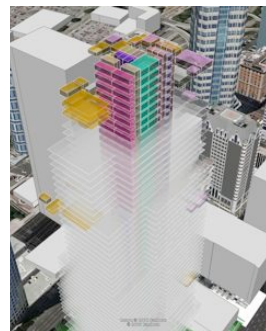
24 hours



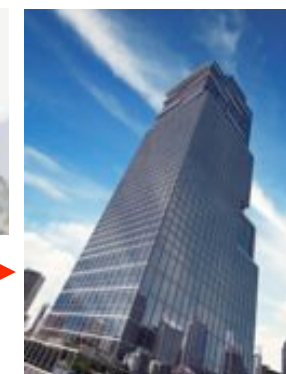
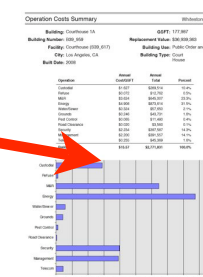
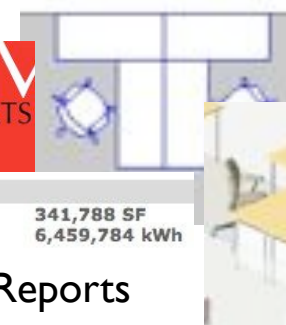
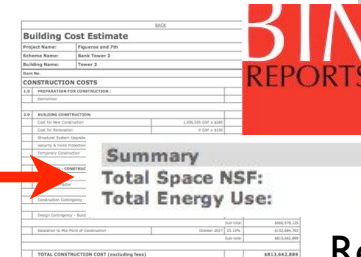
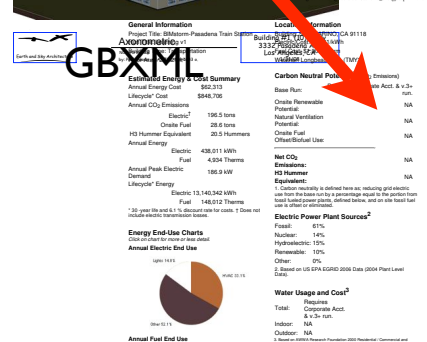
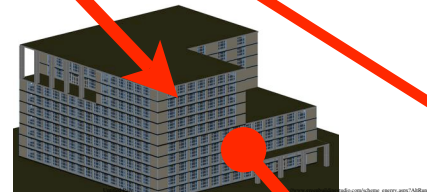
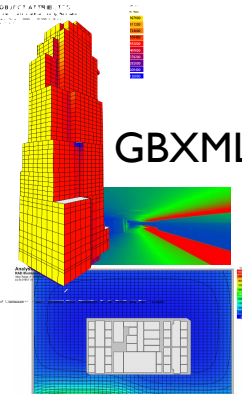
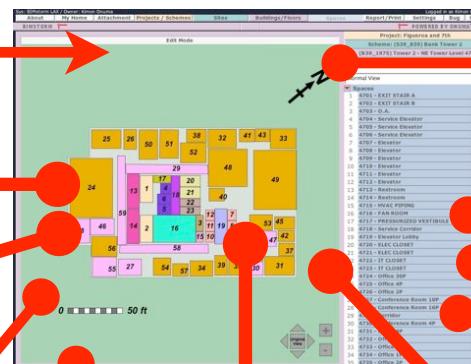
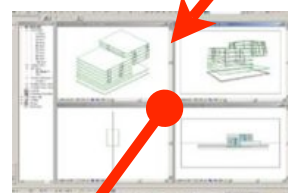
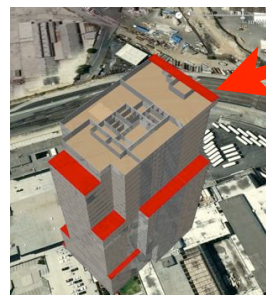




Revit Architecture & Structure - IFC



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