

IFC+SG Fundamentals

20 May 2026

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What CORENET X (CX) means for industry and agencies, and what the BIM process looks like when you submit in CORENET X

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Data Representation & Model Workflow

Practical guidance on preparing IFC+SG models using Revit, export configurations, and understanding how agencies view submitted models in the Collaboration Platform

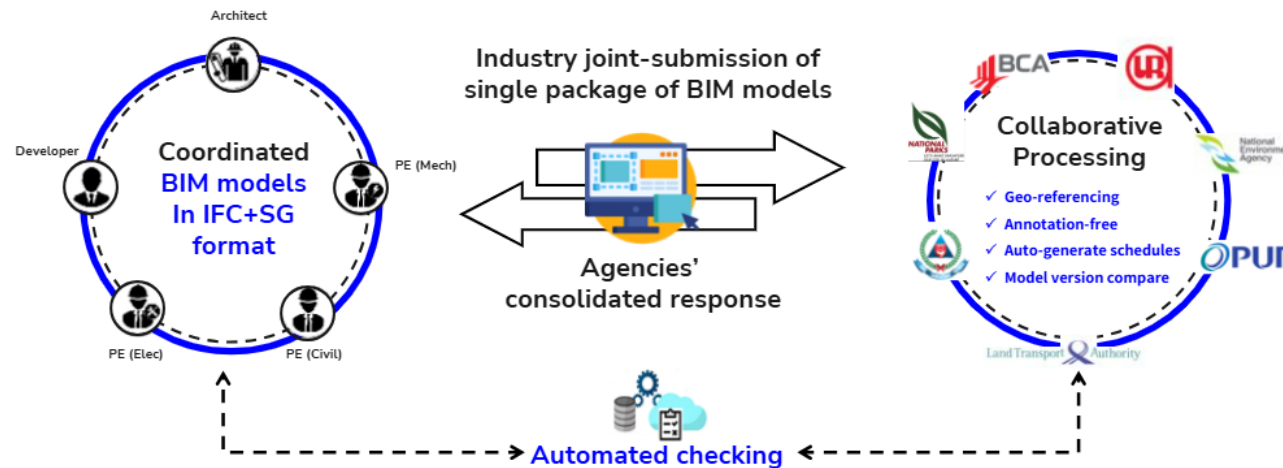
Vision of CORENET X

An ecosystem of regulatory approval for building works(RABW) that accelerates the transformation of the construction industry

TRANSFORMATION of INDUSTRY

- Promote design coordination and teamwork
- Promote digitalization of construction sector
- Support IPD/IDD¹ & AMA/DfMA² imperatives

FIRST IN THE WORLD One-Stop Integrated Digital Shopfront



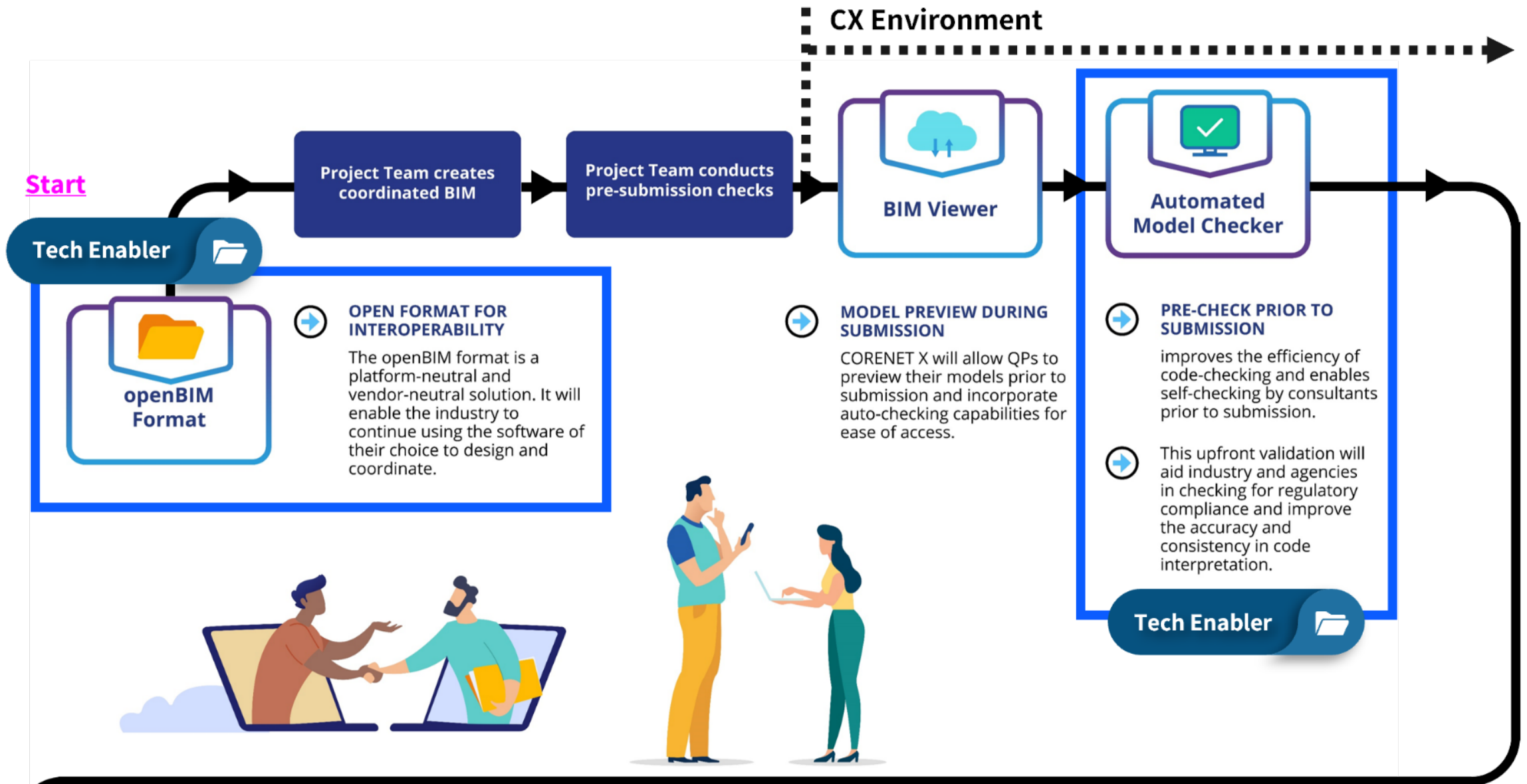
TRANSFORMATION of REGULATORY AGENCIES

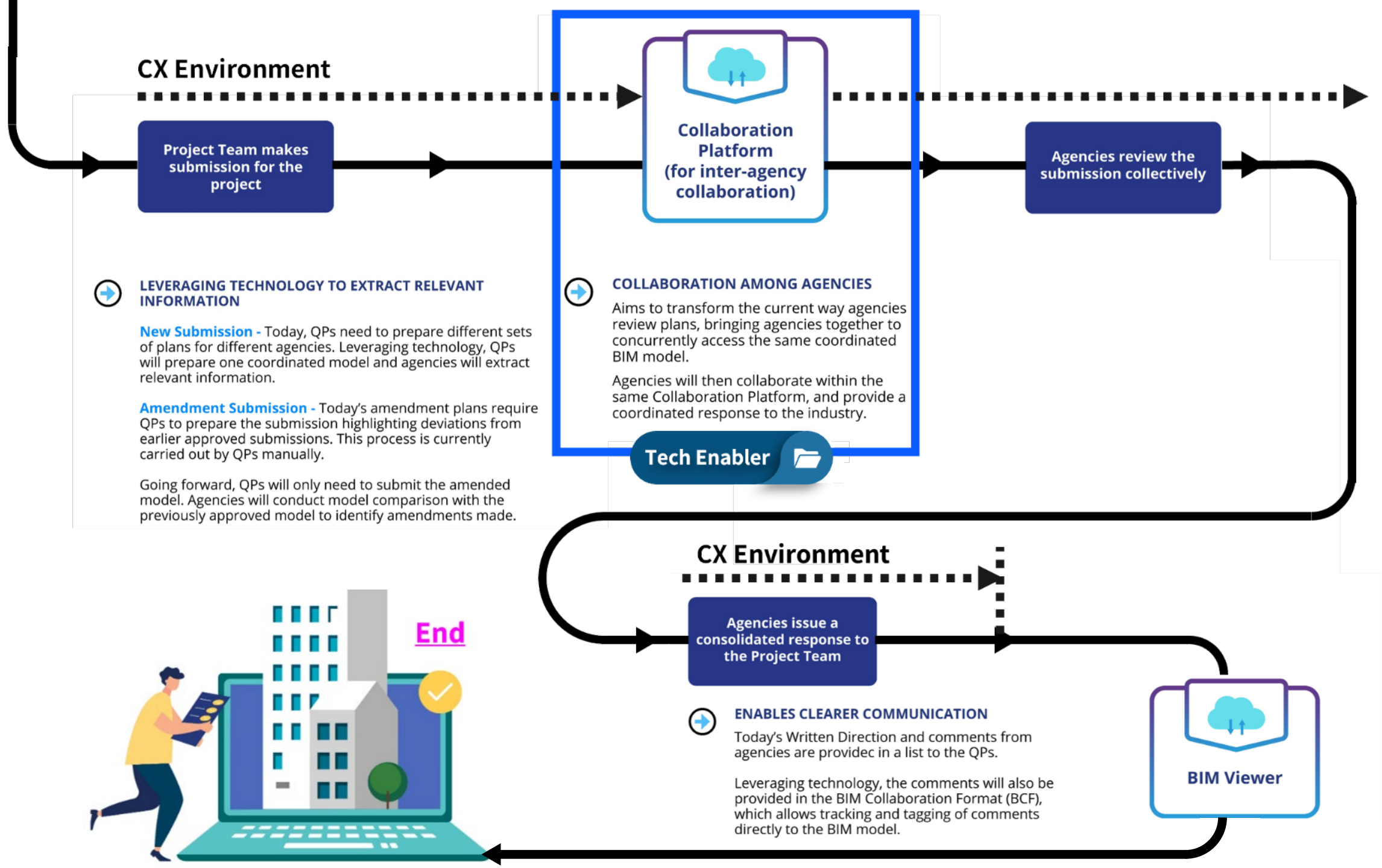
- Reduce silos, iterations & condense touchpoints
- Embrace collaboration & raise productivity amidst rising demands
- Improve accessibility & centralise information towards a Single Source of Truth

¹ IDD is the use of digital technologies to integrate work processes and connect stakeholders working on the same project throughout the construction and building life-cycle

² DfMA is a continuum of various technologies and methodologies that promote offsite fabrication from prefabricated components to fully integrated assemblies across the structural, architectural and Mechanical/ Electrical disciplines.

CORENET X User Journey





The Fundamental Shift – BIM Submission Standards

Focus on regulatory data in the model



CN2 (Current)

CORENET 2.0 Submissions

Submission Formats

DWF or 3D PDF files

Data Standard

No standardized data structure

OpenBIM Format

Not an openBIM neutral format

Validation Process

Manual review



CX (New)

CORENET X Submissions

Submission Formats

IFC+SG (Industry Foundation Classes + localised regulatory requirements)

Data Standard

Standardized data structure (SGPsets)

OpenBIM Format

OpenBIM neutral format (IFC4-based)

Validation Process

Automated data validation for higher accuracy

Limitations

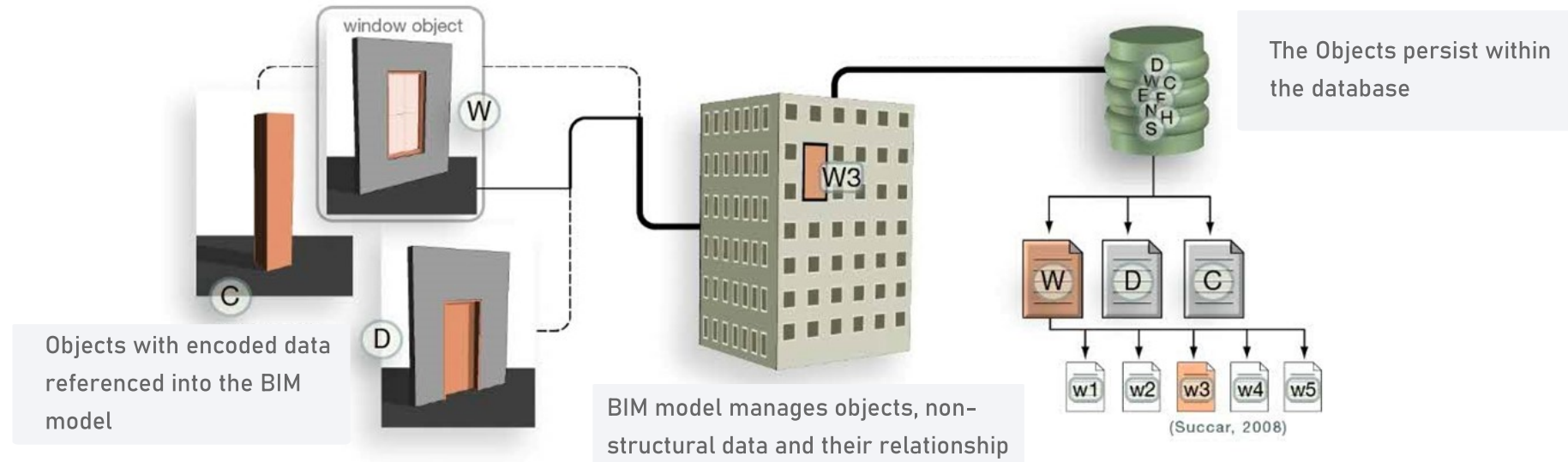
- Limited machine-readable data extraction
- Requires separate submissions to different agencies

Advantages

- Machine-readable structured data for automated compliance checking
- Unified multi-agency submission through single platform (CDE) a.k.a CP
- Software-agnostic open standard enables interoperability

The Fundamental Shift - BIM Submission Standards

Automating data extraction in an information model



Manually Drawn Tables Not Required

Information (e.g. structural loading) can be automatically extracted and categorized by the officer using standardized parameters

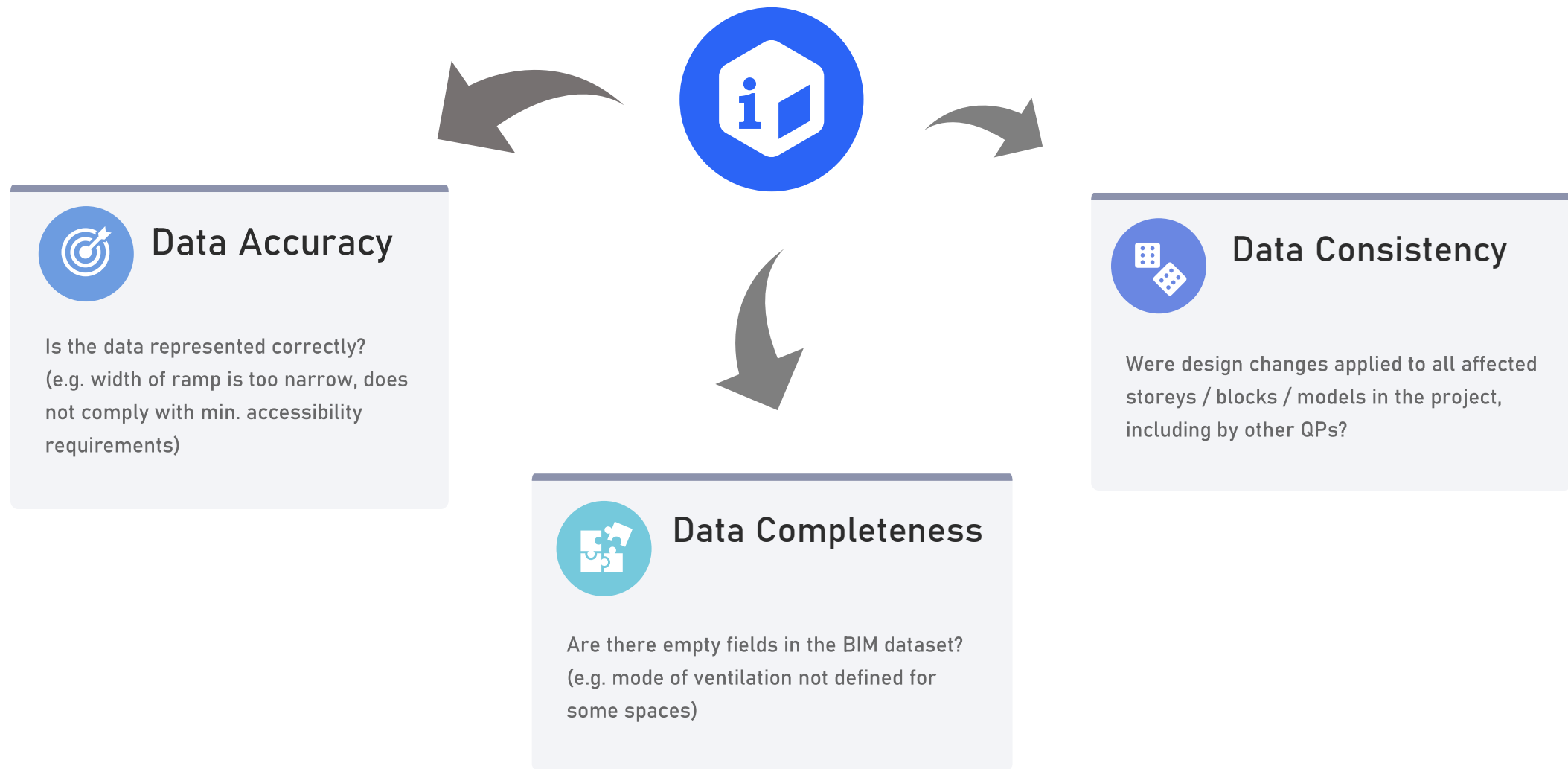
Calculations (e.g. total SGFA) can be accurately made based on the individual geometrical values generated in the model



Annotations, Colors, Hatchings Not Required

Information labels are now embedded as properties in respective components in the model, which can be searched and filtered by officers

The Fundamental Shift - BIM Submission Standards



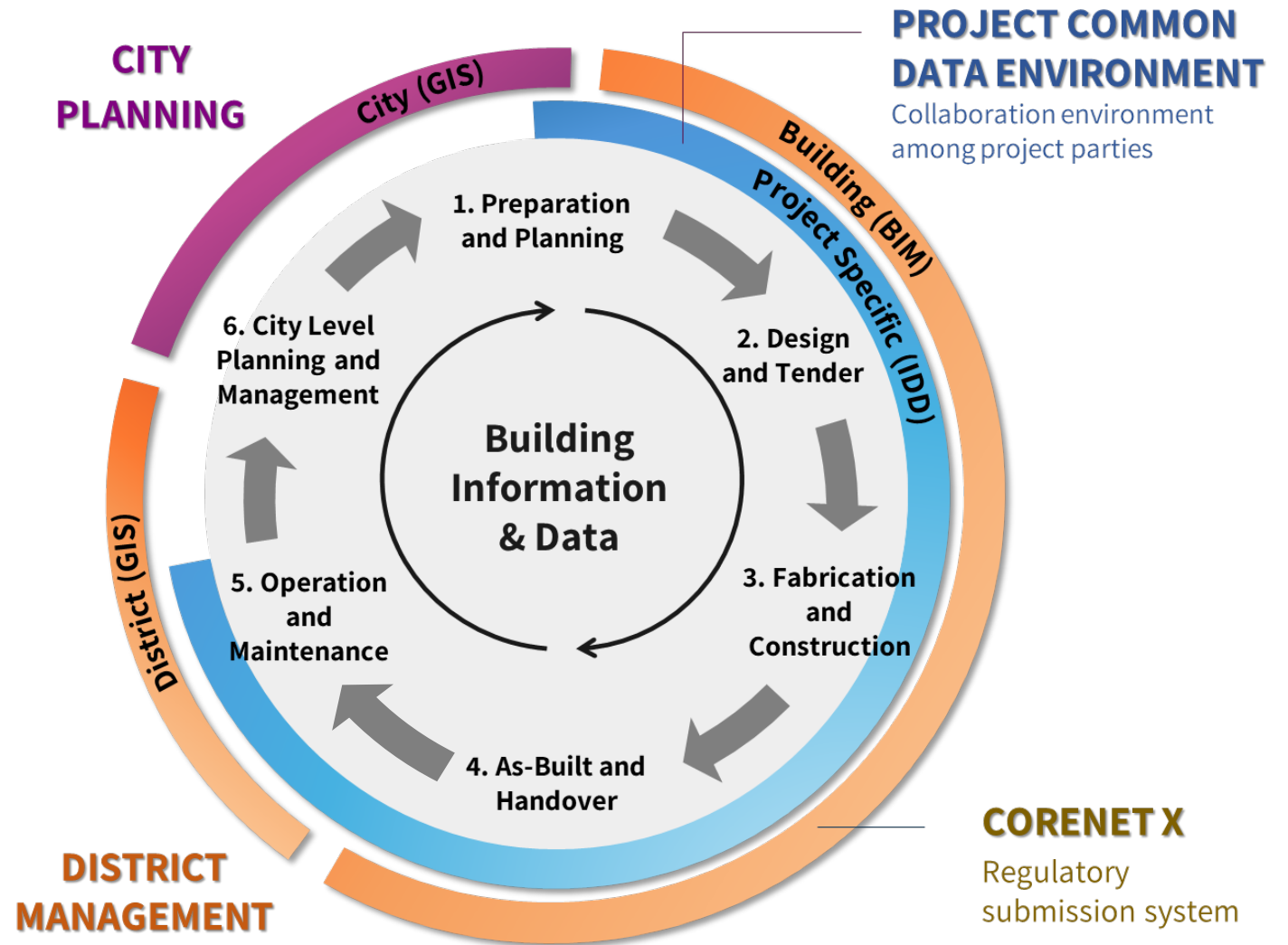
The Fundamental Shift – Why adopt the use of OpenBIM format (IFC)?



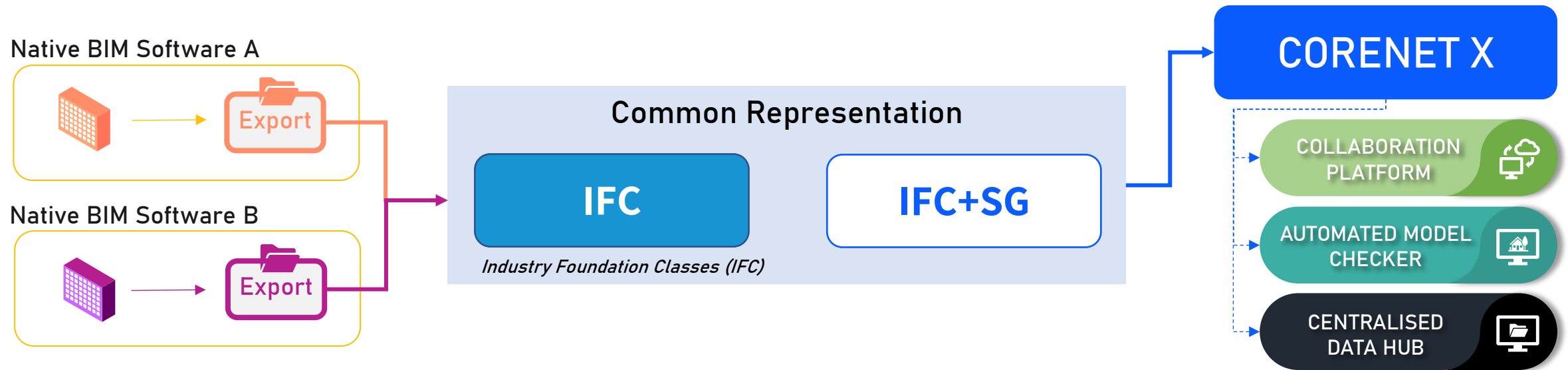
OpenBIM format

a.k.a. neutral format

- ✓ Data requirements and data footprint through the value- chain
- ✓ Data flows through the entire value chain, supporting the different applications and use cases
- ✓ INTEROPERABILITY and OPEN DATA STANDARDS



The Fundamental Shift - OpenBIM format customized for local context



01

Non-Standard Format

- Multiple solutions/ systems needed to process different formats
- Increased costs and maintenance
- Does not fully cater to gov regulatory requirements

02

IFC

- ISO standard specifications for digital construction info
- Enables info exchange in a consistent and repeatable way

03

IFC+SG

- Adapting IFC to cater for local Regulatory Requirements
- Leverage existing eco-system acceptance and support

04

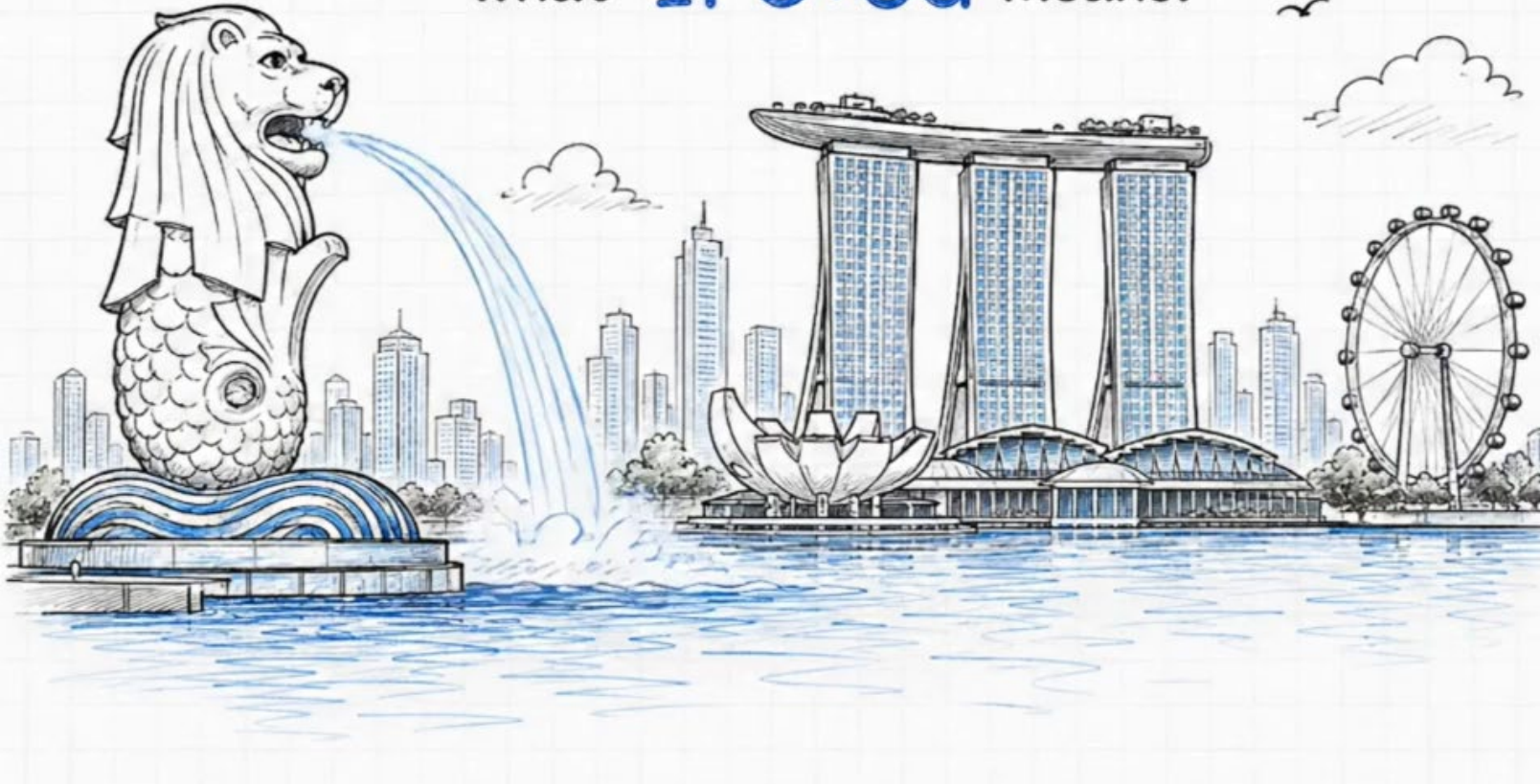
IFC+SG in CX

- Localised information of interest
- Supports CP and AMC

Understanding IFC+SG

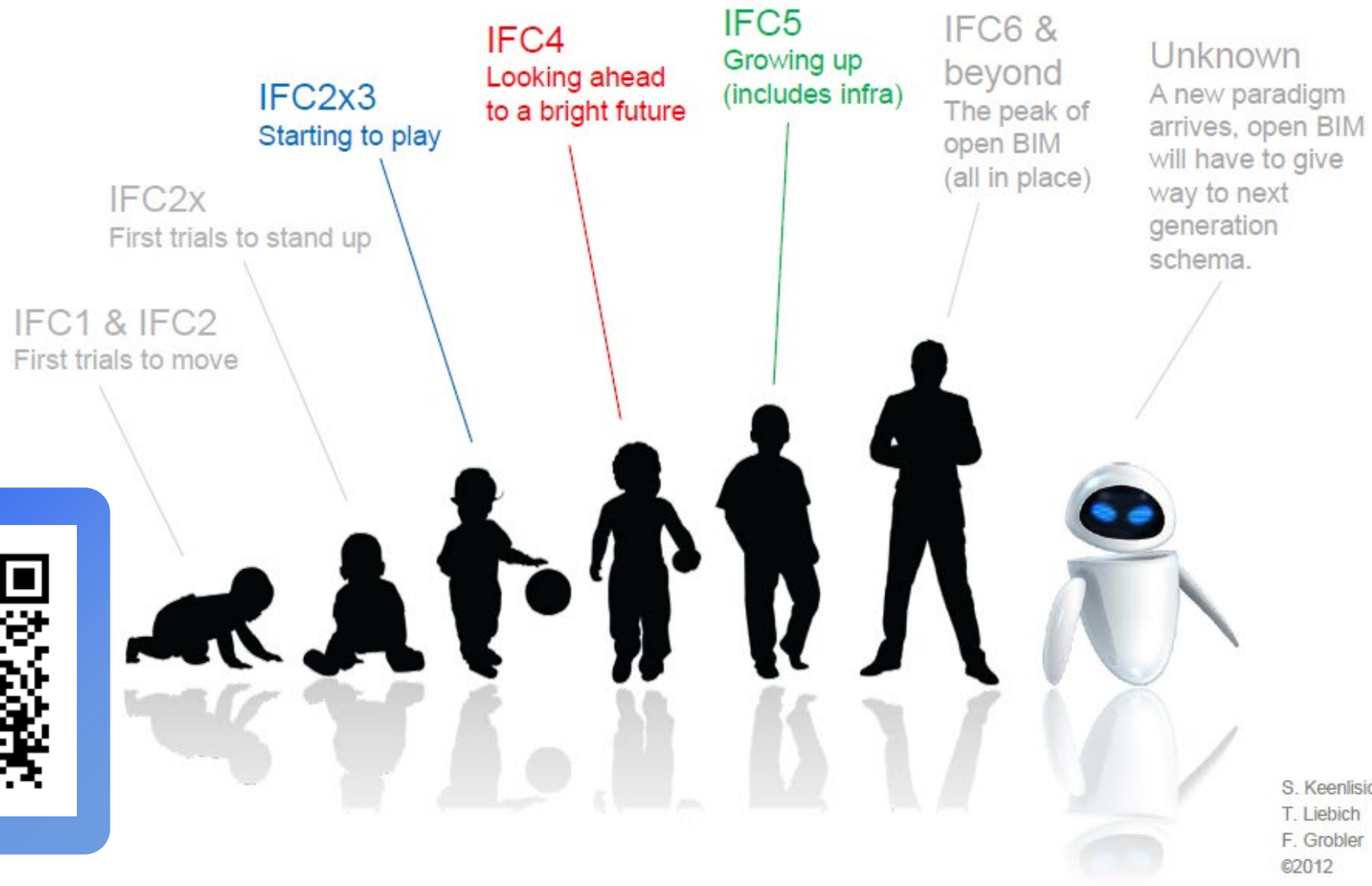
CORENET X
Building Singapore Digitally

Today, we'll find out
what **IFC+SG** means.

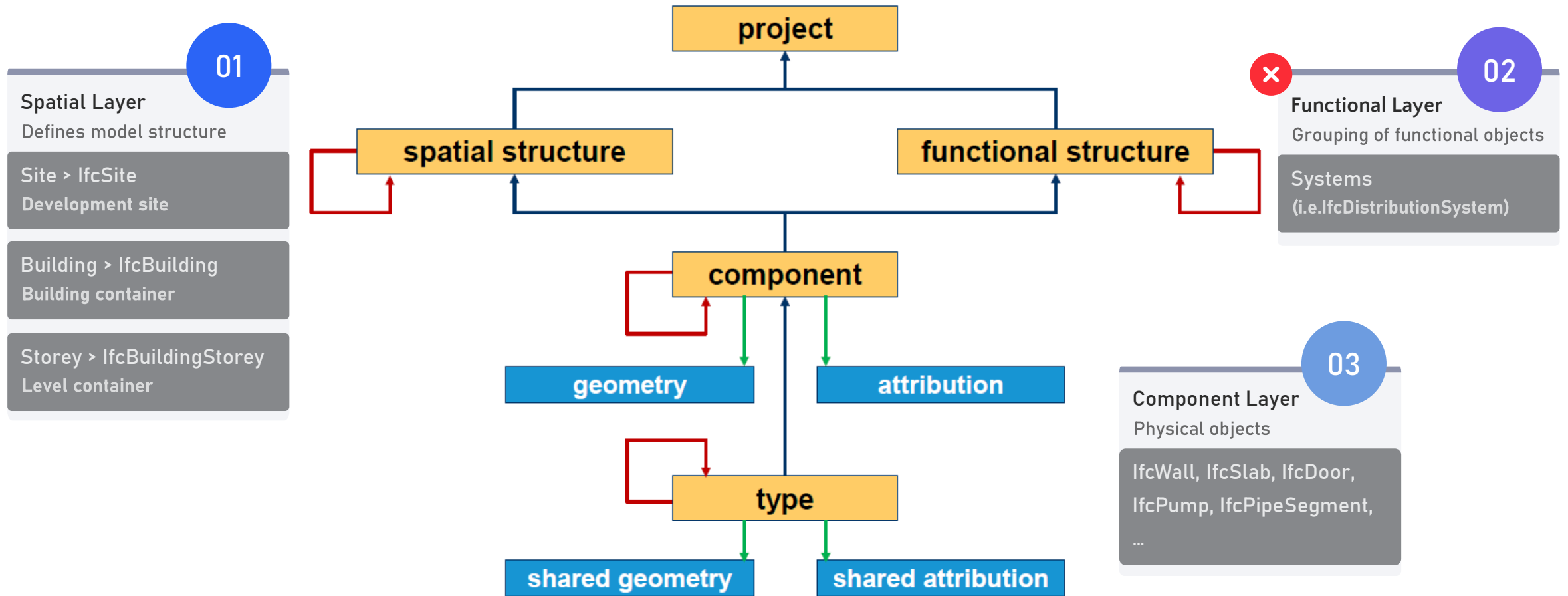


Understanding IFC+SG

IFC+SG adopted IFC4 reference view 1.2



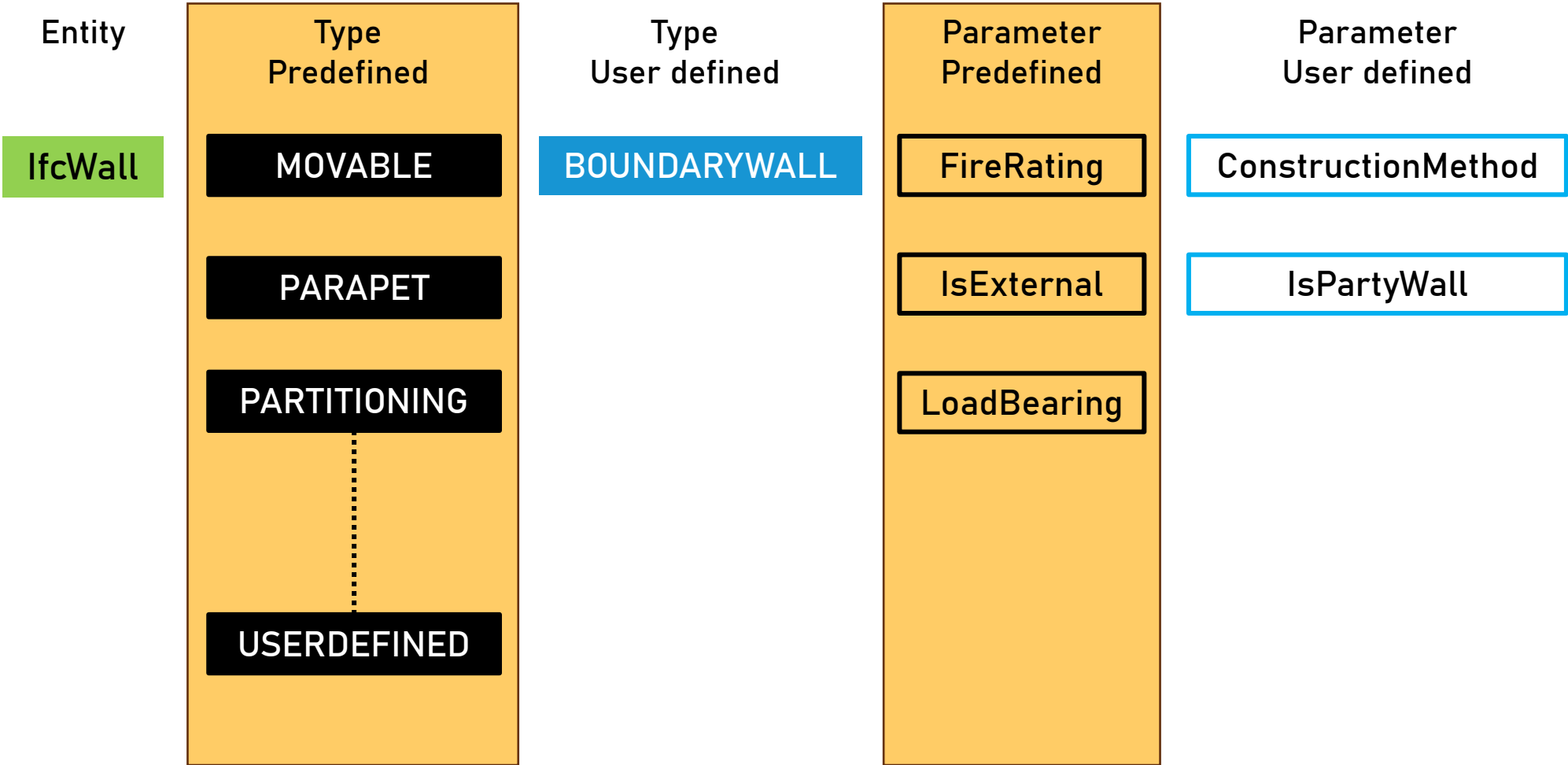
Understanding IFC+SG - IFC Backbone Structure



Note

The functional layer (i.e. IfcDistributionSystem) is not required for IFC+SG BIM models, as we have built the tagging of MEP systems within the component layer using system name and system type.

Understanding IFC+SG - Entity, Type, and Parameter



Understanding IFC+SG - Entity, Type, and Parameter

Standard IFC - Type ✓

Enumeration definition

Constant	Description
MOVABLE	A movable wall that is either movable, such as folding wall or a sliding wall, or can be easily removed as a removable partitioning or mounting wall. Movable walls do normally not define space boundaries and often belong to the furnishing system.
PARAPET	A wall-like barrier to protect human occupants from falling, or to prevent the spread of fires. Often designed at the edge of balconies, terraces or roofs.
PARTITIONING	A wall designed to partition spaces that often has a light-weight, sandwich-like construction (e.g. using gypsum board). Partitioning walls are normally non-load bearing.
PLUMBINGWALL	A pipe in a wall.
SHEAR	A wall designed to resist shear. Also used for a wall designed to resist shear.
SOLIDWALL	A mass wall having a concrete core.
STANDARD	A standard wall.
POLYGONAL	A polygonal wall.
ELEMENTEDWALL	A structural wall.
USERDEFINED	User defined.
NOTDEFINED	Undefined.

Standard IFC - Property and Property set ✓

PsetName

Pset_WallCommon

Properties

Template	PropertyName	Value	Reference
Single Value	Reference	IfcIdentifier	
Enumerated Value	Status	IfcLabel	PEnum_ElementStatus
Single Value	AcousticRating	IfcLabel	
Single Value	FireRating	IfcLabel	
Single Value	Combustible	IfcBoolean	
Single Value	SurfaceSpreadOfFlame	IfcLabel	
Single Value	ThermalTransmittance	IfcThermalTransmittanceMeasure	
Single Value	IsExternal	IfcBoolean	
Single Value	LoadBearing	IfcBoolean	
Single Value	ExtendToStructure	IfcBoolean	
Single Value	Compartmentation	IfcBoolean	

Pset_ReinforcementBarPitchOfWall

Template	PropertyName	Value	Reference
Single Value	Description	IfcText	
Single Value	Reference	IfcLabel	
Enumerated Value	BarAllocationType	IfcLabel	PEnum_ReinforcementBarAllocationType

CORENET X (CX) Code of Practice (COP) - IFC+SG ✓

IFC Entity: IfcWall						
IFC SubType: N.A., BOUNDARYWALL, PARAPET, RETAININGWALL						
S/N	IFC-SG Property	Property Type	Type of Elements	Unit	Input Limitation	Examples
1	MaterialGrade	Text	All walls	-	Yes	Refer to list^
2	ConstructionMethod	Text	All walls	-	Yes	Refer to list^
3	ReferTo2DDetail	Text	When required / relevant	-	No	Dwg Number
4	ReinforcementSteelGrade	Text	All walls	-	No	Refer to list^
5	ShelterUsage	Boolean	When required / relevant	-	Yes	TRUE / FALSE
6	Mark	Text	All walls	-	No	W1, W2
7	Thickness	Length	All walls	mm	No*	300
8	HorizontalRebar	Text	All walls	-	Yes	2H20-150
9	Stirrups	Text	All walls	-	Yes	H10-150-300
10	StirrupsType	Text	Optional	-	Yes	Refer to list^
11	VerticalRebar	Text	All walls	-	Yes	H32-150+H25-150
12	WorkingLoad_DA1-1	Integer	When required / relevant	kN	No	1234
13	WorkingLoad_DA1-2	Integer	When required / relevant	kN	No	1234
14	Accreditation_PAS	Boolean	-	-	Yes	TRUE / FALSE
15	LoadBearing	Boolean	-	-	Yes	TRUE / FALSE
16	MechanicalConnectionType	Text	-	-	No	Flexible Loops
17	PrefabricatedReinforcementCage	Boolean	-	-	Yes	TRUE / FALSE
18	IsPartyWall	Boolean	-	-	Yes	TRUE / FALSE
19	IsExternal	Boolean	-	-	Yes	TRUE / FALSE
20	BeamFacade	Boolean	-	-	Yes	TRUE / FALSE
21	DoubleBayFacade	Boolean	-	-	Yes	TRUE / FALSE



Note
Not all predefined types and parameters in the default IFC schema are required for IFC+SG BIM Models.

Understanding IFC+SG – IFC+SG information details



IFC+SG information details

3 locations where you can find IFC+SG information.

CORENET X (CX) Code of Practice (COP) documentation: section 4 > [Link](#)

Online webpage (CX info site): Glossary of Identified Components > [Link](#)
For quick reference.

Industry mapping excel file > [Link](#)
For comprehensive details (i.e. Suggested representation in native BIM authoring tool, SGPsets details, and more.)

By IFC Representation

IFC Entity: IfcFireSuppressionTerminal						
IFC SubType: FIREHYDRANT						
S/N	IFC-SG Property	Property Type	Type of Elements	Unit	Input Limitation	Examples
1	ID	Text	-	-	-	N.A.
2	Private	Boolean	-	-	Yes	TRUE / FALSE
3	Public	Boolean	-	-	Yes	TRUE / FALSE

Section 4: BIM Data Representation (IFC-SG) and Modelling Good Practice Typical Components in a Project (“Identified Components”)

Fire Hydrant

Identified Component

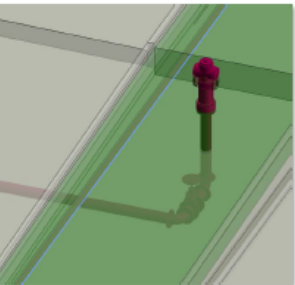
Legend: ■ Architecture ■ C&S ■ M&E

By Key Gateways

G2 Construction Gateway		
Key Words	Agency	Requirement Category
Firefighting System	SCDF	Fire Hydrant System Hydrant coverage not more than 50m from the fire engine accessway / access road



S4 - Fig 36: Fire Hydrant



S4 - Fig 37: Fire Hydrant

Modelling Fire Hydrant in IFC-SG

- Details for technical clearance is not part of Gateway approval and is to be submitted as individual SCDF clearance in 2D. 3D is optional.

Modelling Guidelines

By IFC Representation

IFC Representation

IFC Entity: IfcFireSuppressionTerminal						
IFC SubType: FIREHYDRANT						
S/N	IFC-SG Property	Property Type	Type of Elements	Unit	Input Limitation	Examples
1	ID	Text	-	-	-	N.A.
2	Private	Boolean	-	-	Yes	TRUE / FALSE
3	Public	Boolean	-	-	Yes	TRUE / FALSE

Understanding IFC+SG – IFC+SG information details

Industry mapping excel file

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
S/N	Agency	Identified Component	Identified parameters	Suggested Revit Representation	Suggested Archicad Representation	Suggested Tekla Structures Representation	Suggested Bentley OpenBuildings Representation	Suggested Discipline	IFC4 Entities	IFC Sub Types (* = USERDEFINED)	Property Set	Property Name	Property Type	Property Unit	IFC4 Material Set	Accepted Values (for parameters with Input Limitations)	Sample Value for Reference (for parameters without Input Limitations)
780	N Parks	Wall	N.A	Walls	Wall	Panel	Wall	ARC	IfcWall	*BOUNDARYWALL	Please refer to property sets below	Please refer to properties below	N.A	N.A	N.A	N.A	N.A
781	URA	Wall	N.A	Walls	Wall	Panel	Wall	ARC	IfcWall	PARAPET	Please refer to property sets below	Please refer to properties below	N.A	N.A	N.A	N.A	N.A
782	URA	Wall	N.A	Walls	Wall	Panel	Wall	ARC	IfcWall	*RETAININGWALL	Please refer to property sets below	Please refer to properties below	N.A	N.A	N.A	N.A	N.A
783	BCA	Wall	Construction Method	Walls	Wall	Panel	Wall	ARC	IfcWall	*BOUNDARYWALL, PARAPET, *RETAININGWALL	SGPset_Wall	ConstructionMethod	Label	N.A	N.A	CIS, PC, PT (Pre), PT (Post), PF, PPVC, Spun	N.A
784	BCA	Wall	Is Party Wall	Walls	Wall	Panel	Wall	ARC	IfcWall	*BOUNDARYWALL, PARAPET, *RETAININGWALL	SGPset_Wall	IsPartyWall	Boolean	N.A	N.A	TRUE/FALSE	N.A
785	BCA	Wall	Arrangement Type	Walls	Wall	Concrete Panel	Wall	STR	IfcWall	N.A	SGPset_Wall	ArrangementType	Label	N.A	N.A	N.A	N.A
786	BCA	Wall	Beam Facade	Walls	Wall	Concrete Panel	Wall	STR	IfcWall	N.A	SGPset_Wall	BeamFacade	Boolean	N.A	N.A	TRUE/FALSE	N.A
787	BCA	Wall	Construction Method	Walls	Wall	Concrete Panel	Wall	STR	IfcWall	N.A	SGPset_Wall	ConstructionMethod	Label	N.A	N.A	CIS, PC, PT (Pre), PT (Post), PF, PPVC, Spun	N.A
788	BCA	Wall	Double Bay Facade	Walls	Wall	Concrete Panel	Wall	STR	IfcWall	N.A	SGPset_Wall	DoubleBayFacade	Boolean	N.A	N.A	TRUE/FALSE	N.A
789	BCA	Wall	Horizontal Rebar	Walls	Wall	Concrete Panel	Wall	STR	IfcWall	N.A	SGPset_WallReinforcement	HorizontalRebar	Label	N.A	N.A	N.A	2H13-100
790	BCA	Wall	Is External	Walls	Wall	Concrete Panel	Wall	STR	IfcWall	N.A	SGPset_Wall	IsExternal	Boolean	N.A	N.A	TRUE/FALSE	N.A
791	BCA	Wall	Load Bearing	Walls	Wall	Concrete Panel	Wall	STR	IfcWall	N.A	SGPset_Wall	LoadBearing	Boolean	N.A	N.A	TRUE/FALSE	N.A
792	BCA	Wall	Mark	Walls	Wall	Concrete Panel	Wall	STR	IfcWall	N.A	SGPset_WallDimension	Mark	Label	N.A	N.A	N.A	W1
793	BCA	Wall	Material Grade	Walls	Wall	Concrete Panel	Wall	STR	IfcWall	N.A	SGPset_Material	MaterialGrade	Label	N.A	Name	C12/15, C20/25, C30/37, C32/40, C35/45, C40/50, C50/60, C55/67, C	N.A
794	BCA	Wall	Mechanical Connection Type	Walls	Wall	Concrete Panel	Wall	STR	IfcWall	N.A	SGPset_Wall	MechanicalConnectionType	Label	N.A	N.A	grouted sleeves, spiral connector, flexible loops	N.A
795	BCA	Wall	Prefabricated Reinforcement Cage	Walls	Wall	Concrete Panel	Wall	STR	IfcWall	N.A	SGPset_Wall	PrefabricatedReinforcementCage	Boolean	N.A	N.A	TRUE/FALSE	N.A
796	BCA	Wall	Prefinished Facade	Walls	Wall	Concrete Panel	Wall	STR	IfcWall	N.A	SGPset_Wall	PrefinishedFacade	Boolean	N.A	N.A	TRUE/FALSE	N.A
797	BCA	Wall	ReferTo2DDetail	Walls	Wall	Concrete Panel	Wall	STR	IfcWall	N.A	SGPset_Wall	ReferTo2DDetail	Label	N.A	N.A	N.A	Dwg Number
798	BCA	Wall	Reinforcement Steel Grade	Walls	Wall	Concrete Panel	Wall	STR	IfcWall	N.A	SGPset_Wall	ReinforcementSteelGrade	Label	N.A	N.A	500A, 500B, 500C, 600A, 600B, 600C	N.A
799	BCA	Wall	Shelter Usage	Walls	Wall	Concrete Panel	Wall	STR	IfcWall	N.A	SGPset_Wall	ShelterUsage	Boolean	N.A	N.A	TRUE/FALSE	N.A
800	BCA	Wall	Stirrups	Walls	Wall	Concrete Panel	Wall	STR	IfcWall	N.A	SGPset_WallReinforcement	Stirrups	Label	N.A	N.A	N.A	H10-150-300
801	BCA	Wall	Stirrups Type	Walls	Wall	Concrete Panel	Wall	STR	IfcWall	N.A	SGPset_WallReinforcement	StirrupsType	Label	N.A	N.A	Normal, U, C, CL, Torsion	N.A
802	BCA	Wall	Thickness	Walls	Wall	Concrete Panel	Wall	STR	IfcWall	N.A	SGPset_WallDimension	Thickness	Length	mm	N.A	N.A	500
803	BCA	Wall	Vertical Rebar	Walls	Wall	Concrete Panel	Wall	STR	IfcWall	N.A	SGPset_WallReinforcement	VerticalRebar	Label	N.A	N.A	N.A	H32-150-H25-150
804	BCA	Wall	Working Load DA1-1	Walls	Wall	Concrete Panel	Wall	STR	IfcWall	N.A	SGPset_WallStructuralLoad	WorkingLoad_DA1-1	Integer	KN	N.A	N.A	1234
805	BCA	Wall	Working Load DA1-2	Walls	Wall	Concrete Panel	Wall	STR	IfcWall	N.A	SGPset_WallStructuralLoad	WorkingLoad_DA1-2	Integer	KN	N.A	N.A	1234

Find the items

Column A-D

Check representation

Column E-H

Check IFC

Column I-K

Apply properties

Column L,M

Use correct data and format

Column N-R

Agency	Identified Component	Identified parameters	Authoring Tool Representation				Discipline	IFC4 Entities	IFC Sub Types (* = USERDEFINED)	Property Set	Property Name	Property Type	Property Unit	IFC4 Material Set	Accepted Value	Sample Value for Reference
			Revit	Archicad	Tekla	OpenBuildings										
BCA	Beam	Depth	Structural Framing	Beam	Beam	Beam	STR	IfcBeam	N.A	SGPset_BeamDimension	Depth	Length	mm	N.A	N.A	N.A

IFC+SG Onboarding Checklist

Essential tasks to complete before starting a project

S/N	TASK	STATUS	REMARKS
BIM Authoring Software and Features			
1.	Ensure that the latest Revit patch is installed.	☐	Refer to link for details.
2.	Ensure that the latest Revit interoperability tool is installed.	☐	Refer to link for details.
3.	Ensure that the Revit-IFC app is installed. For Revit 2025 users facing issues with activating the Revit-IFC dialogue box, uninstall the Revit-IFC app. (Refer to the link for details.)	☐	Refer to link for details.
4.	Ensure that the latest version of the Revit-IFC exporter is installed.	☐	Refer to link for details.
Component Creation and IFC+SG Information Population			
5.	Study the IFC+SG regulatory requirements for the different gateways.	☐	Refer to link for details on key gateways. Refer to link for details on COP.
6.	Study the steps for preparing an IFC+SG model. Refer to the Glossary of Identified Components for additional information.	☐	Refer to link for details.
7.	Ensure that you have downloaded the relevant IFC+SG toolkits and resource files.	☐	Refer to link for details.
8.	Use third-party applications to support the IFC+SG model preparation.	☐	Refer to link for details.
9.	Read through the Model Submission Good Practice Guide.	☐	Refer to link for details.
10.	Read through the Geo-Referencing and Coordination Across Disciplines Good Practice Guide	☐	Refer to link for details.
11.	Read through the Block and File Management Good Practice Guide	☐	Refer to link for details.
12.	Read through the MEP Services Good Practice Guide.	☐	Refer to link for details.

01

Software Preparation

For Revit user > interoperability tool, update latest build for Revit-IFC exporter and more.

02

Study Regulatory Requirements

Understand IFC+SG requirements for each submission gateway.

03

Toolkit & Resource Files

Download the config and resource files for different native BIM Authoring tools such as Archicad, OpenBuildings Designer, Revit, Tekla.

04

3rd Party Applications

Use productivity tools (i.e. Dirroots etc.), validation tools (i.e. IFC validator etc.) and more.

05

Good Practice Guides

Project setup, block and file management, MEP systems tagging and more.

IFC+SG Onboarding Checklist

S/N	TASK	STATUS	REMARKS
13.	Before submitting, review the exported federated IFC files. When using an IFC Viewer (BIMVision or BIMCollab Zoom), ensure that it is the latest build. (Note: Registration may be required, but both viewers are free.) Download BIMVision here. Download BIMCollab Zoom here. Essential Points for Model Quality: → Ensure that IFC models can be federated together, as intended. → Ensure that components are exported to the correct IFC entity, and subtyped with the relevant IFC+SG properties and property sets. → Ensure that there is only one IfcSite per IFC file when exporting with linked files. → For Revit Users: In the Revit IFC exporter, select Additional Content>>Linked Files>>Export in the same IfcSite. → Ensure that there are no unreferenced items by checking that all elements created in Revit are referenced to a level datum. • If you notice any unreferenced items, locate and resolve their referencing issues. • For Revit Users: If you encounter a warning while opening an IFC file in BIMVision, download the log and use the element ID (tag) or Global Unique Identifier (GUID) to locate the elements in Revit. → Ensure that all level datums are aligned across models. Each datum must have a unique name and a unique associated GUID. To avoid confusion, datum names should also incorporate their GUIDs (with the same Finished Floor Level).	☐	Refer to link for details.

06

06

Quality Check Before Submission

Install the free IFC viewer for model checking and essential points for model quality.



IFC+SG Onboarding Checklist

Live Demo on CX info site – IFC+SG online resources

A Singapore Government Agency Website [How to identify](#)

Government officials will NEVER ask you to transfer money or disclose bank log-in details over a phone call. Call the 24/7 ScamShield Helpline at 1799 or visit www.scamshield.gov.sg to check if something is a scam.

corenetx

OverviewRegulatory ProcessIFC+SGResourcesSubmission Portal ResourceContact Us

Submission Portal

More than 320 firms have onboarded CORENET X

Don't get left behind. Find out which firms have already made submissions on CORENET X!

Check out the competition here

What is CORENET X?

CORENET X is a co-creation effort between the public agencies and industry to transform the regulatory landscape and practices through process re-engineering and adoption of technologies, redefining the Government to Business interactions. Developed using an agile approach, it will be implemented progressively and made available to the industry in phases.

4 key changes to submission process

1

New Submission Process

Find out more

2

BIM Submission in (IFC+SG) format

Find out more

3

CORENET X Submission portal

Find out more

4

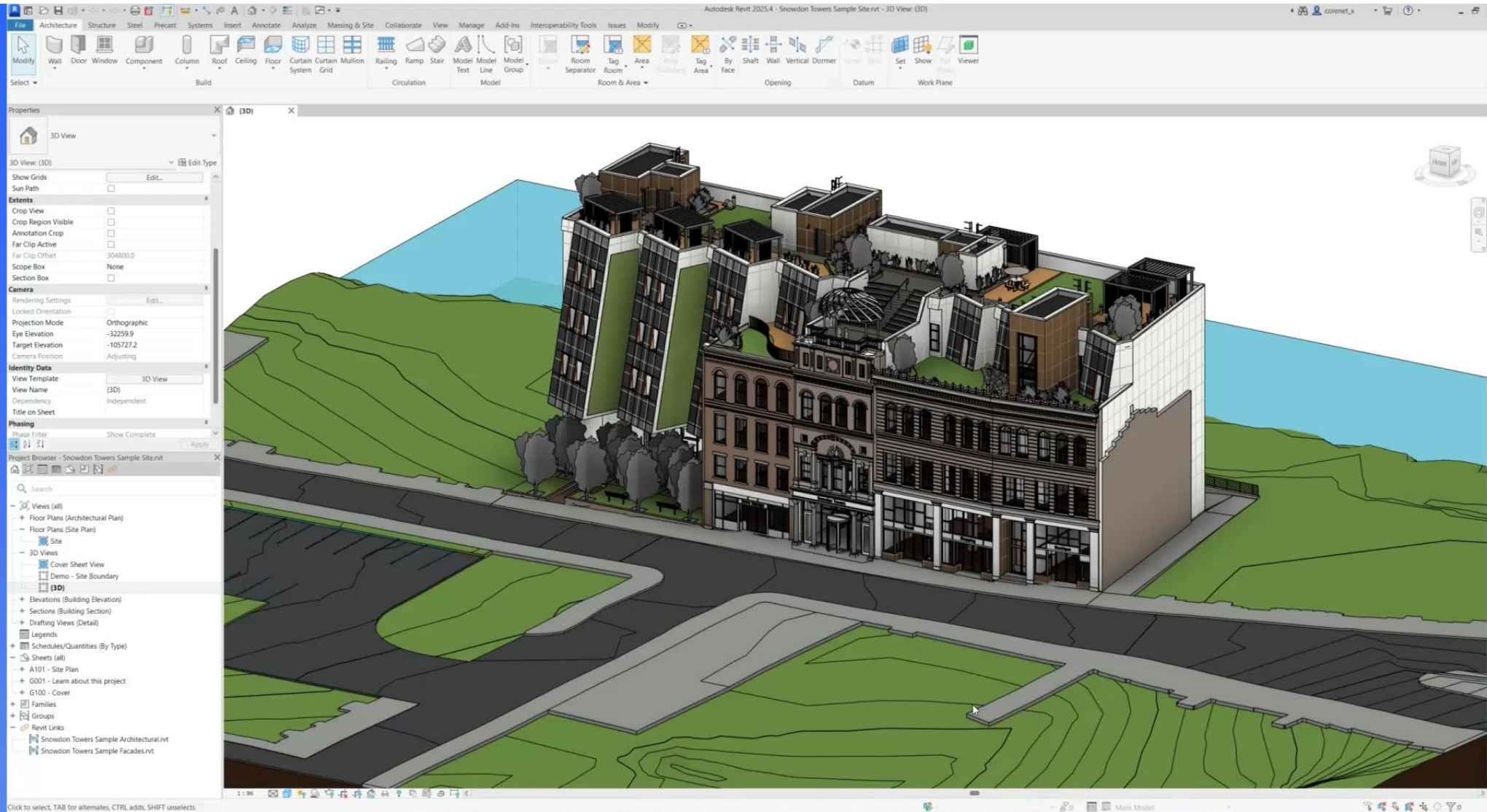
CORENET X Code of Practice

Find out more

20

Preparing Your Model for IFC+SG Export

Create the IFC+SG parameters using the config and resource files



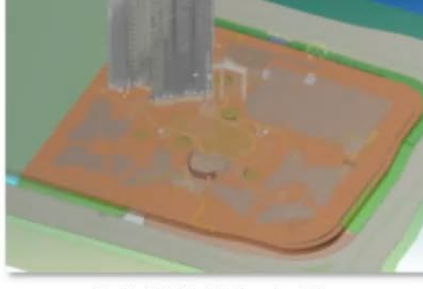
Preparing Your Model for IFC+SG Export

Create an object in the model and assign the IFC+SG information

By Key Gateways



S4 - Fig.101 : Site / Site Boundary highlighted in Green



S4 - Fig.102 : Site / Site Boundary in Brown

Hierarchy of Space

Site Boundary Dimension in IFC+SG

By IFC Representation

S/N	IFC+SG Property	Property Type	Unit	Input Limitation	Examples
1	Area	Area	m ²	No	N.A.
2	BroadLandUse*	Text	-	Yes	Agriculture, Beach Area, Business 1, Business 1- White, Business 2, Business 2- White, Business Park, Business Park- White, Cemetery, Civic & Community Institution, Commercial, Commercial & Residential, Commercial/Institution, Educational Institution, Health & Medical Care, Hotel, Open Space, Park, Place of Worship, Port/Airport, Rapid Transit, Reserve Site, Residential, Residential with Commercial at 1st storey, Residential/Institution, Road, Special Use, Sports & Recreation, Transport Facilities, Utility, Waterbody, White
3	VacantLand*	Boolean	N.A.	Yes	TRUE/FALSE

IFC Entity: IfcGeographicElement

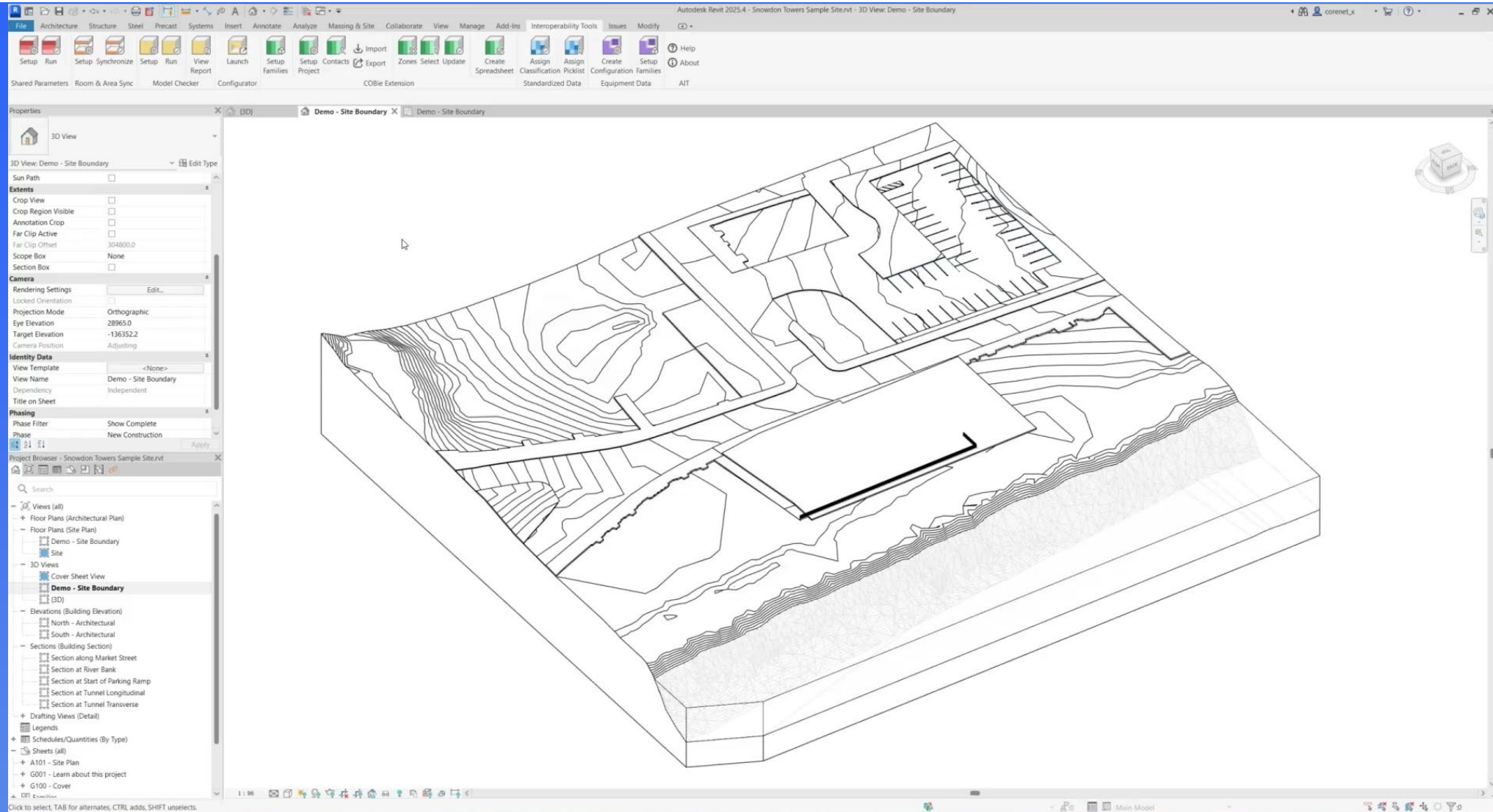
IFC SubType: SITEBOUNDARY, CADASTRALLOT

These properties are only applicable for the IFC SubType = SITEBOUNDARY

Industry Mapping - 4 Dec 2021								
S/N	Agency	Identified Component	Identified parameters	Suggested Revit Representation	Suggested Archicad Representation	Suggested Tekla Structures Representation	Suggested Bentley OpenBuilding Representation	
615	614	SCDF	Seating	Seating Capacity	Furniture	Object	N.A.	Furniture
616	615	SCDF	Seating	N.A.	Furniture	Object	N.A.	Furniture
617	616	SCDF	Security Lighting	N.A.	Lighting Fixtures	Object	N.A.	Object
618	617	NEA	Sensor	N.A.	Mechanical Equipm	Object	N.A.	Object
619	618	BCA	Shading Device	Shading Device	Generic Models	Object	N.A.	Object
620	619	SCDF	Signage	Mounting Height	Specialty Equipmen	Object	N.A.	Object
621	620	URA	Site	Number of Workers	Project Information	IFC Project Manage	N.A.	Floor Manager
622	621	URA	Site Boundary	Area	Toposolid	Mesh	N.A.	Mesh
623	622	NPARKS	Site Boundary	Area	Toposolid	Mesh	N.A.	Mesh
624	623	URA	Site Boundary	Broad Land Use	Toposolid	Mesh	N.A.	Mesh
625	624	NPARKS	Site Boundary	Vacant Land	Toposolid	Mesh	N.A.	Mesh
626	625	URA	Site Coverage	N.A.	Specialty Equipmen	Object	N.A.	Object
627	626	BCA	Slab	N.A.	Floors	Slab	Concrete Slab	Slab
628	627	BCA	Slab	N.A.	Floors	Slab	Concrete Slab	Slab
629	628	BCA	Slab	N.A.	Floors	Slab	Concrete Slab	Slab
630	629	BCA	Slab	Accreditation MAS	Floors	Slab	Concrete Slab	Slab
631	630	BCA	Slab	Bottom Distribution Nominal	Floors	Slab	Concrete Slab	Slab
632	631	BCA	Slab	Bottom Main Nominal	Floors	Slab	Concrete Slab	Slab
633	632	BCA	Slab	Construction Method	Floors	Slab	Concrete Slab	Slab
634	633	BCA	Slab	Lattice Girder Reinforcement	Floors	Slab	Concrete Slab	Slab
635	634	BCA	Slab	Load Bearing	Floors	Slab	Concrete Slab	Slab
636	635	BCA	Slab	Mark	Floors	Slab	Concrete Slab	Slab
637	636	BCA	Slab	Material Grade	Floors	Slab	Concrete Slab	Slab
638	637	BCA	Slab	Mechanical Connection Type	Floors	Slab	Concrete Slab	Slab
639	638	BCA	Slab	ReferTo2DDetail	Floors	Slab	Concrete Slab	Slab
640	639	BCA	Slab	Reinforcement Steel Grade	Floors	Slab	Concrete Slab	Slab
641	640	BCA	Slab	Shelter Usage	Floors	Slab	Concrete Slab	Slab
642	641	BCA	Slab	Slab Type	Floors	Slab	Concrete Slab	Slab
643	642	BCA	Slab	Stirrups	Floors	Slab	Concrete Slab	Slab
644	643	BCA	Slab	Stirrups Type	Floors	Slab	Concrete Slab	Slab
645	644	BCA	Slab	Thickness	Floors	Slab	Concrete Slab	Slab
646	645	BCA	Slab	Top Distribution nominal	Floors	Slab	Concrete Slab	Slab
647	646	BCA	Slab	Top Main Nominal	Floors	Slab	Concrete Slab	Slab
648	647	BCA	Slab	Type Designator	Floors	Slab	Concrete Slab	Slab
649	648	BCA	Slab	Welded Mesh	Floors	Slab	Slab	Slab
650	649	SCDF	Soffit	Fire Rating	Roofs	Roof	N.A.	Roof
651	650	URA	Space (Area)	AGF_DevelopmentUse	Areas	Zone	N.A.	Space
652	651	URA	Space (Area)	AGF_Name	Areas	Zone	N.A.	Space

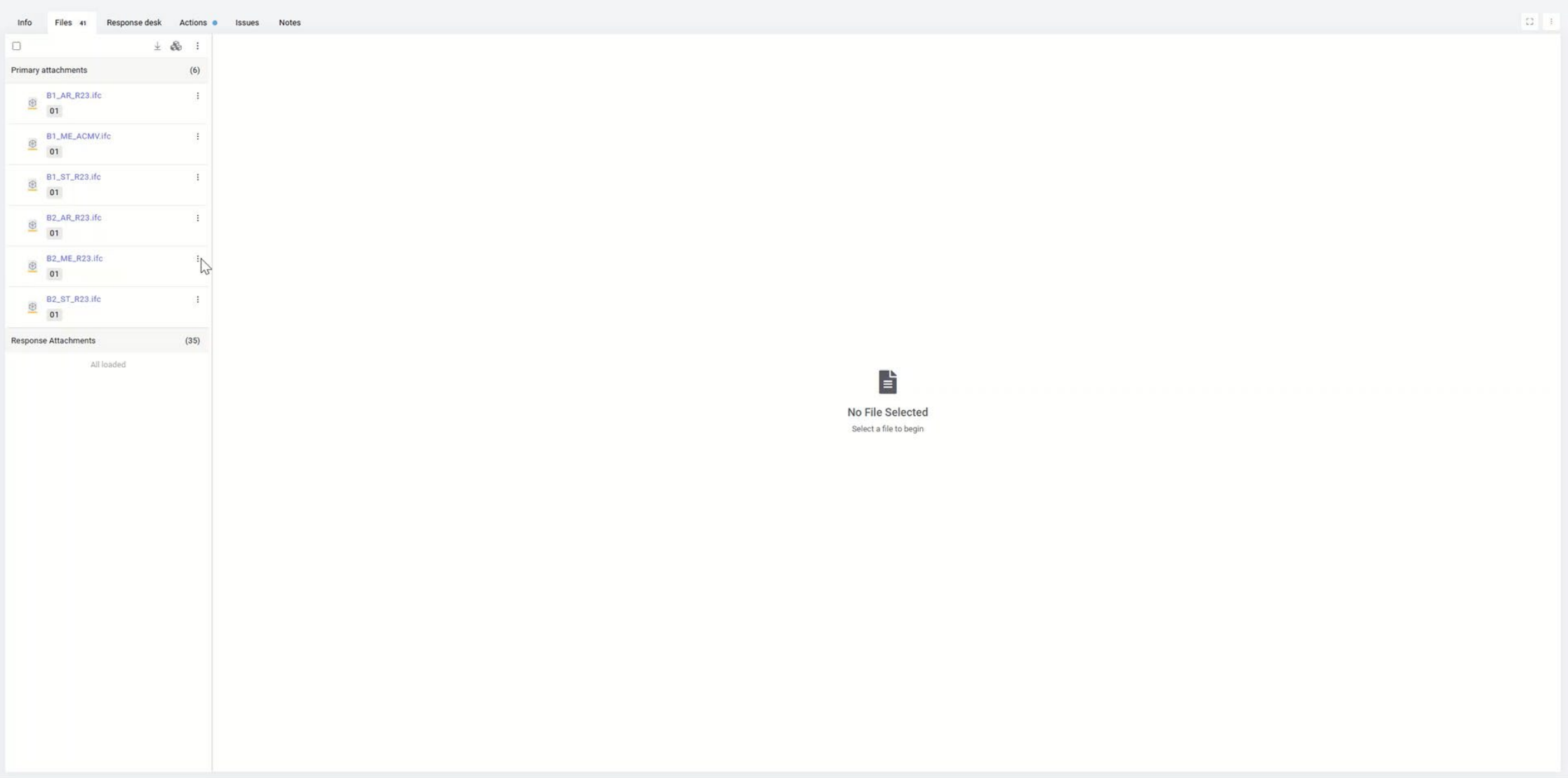
Preparing Your Model for IFC+SG Export

Export the model in the native BIM authoring tool to IFC+SG



How Agencies View Your Model in Collaboration Platform (CP)

Essential feature – model federation



How Agencies View Your Model in Collaboration Platform (CP)

Essential feature – elevation levels



How Agencies View Your Model in Collaboration Platform (CP)

Essential feature – section



How Agencies View Your Model in Collaboration Platform (CP)

Essential feature – extract information from the model

The screenshot displays the FulcrumHQ Model Viewer interface. On the left, a sidebar shows a hierarchy of levels (6TH STORE to UPPER ROOF) and products (Sanitary, Shading, Site, Slab, Space, Stair, Stair Flight, Transport, Wall). A search bar is present. The main window shows a 3D isometric view of a multi-story building with a courtyard. A 'Queries' window is open, displaying a table with columns: Element Name, Location, Ifc Entity, Predefined Type, Object Type, and Description. The table is currently empty, showing 'No results based on the selected filters.' Below the table is a 'Create Filter' button and a pagination bar showing 'Page 1 of 1 (0 items)'. On the right, a 'Properties' panel shows a message: 'No element is currently selected. Click on an element to display its properties.'

Open Model Data Settings

Levels

- 6TH STORE
- 7TH STORE
- 8TH STORE
- 9TH STORE
- 10TH STORE
- 11TH STORE
- 12TH STORE
- LOWER ROOF
- UPPER ROOF

Products

- Sanitary
- Shading
- Site
- Slab
- Space
- Stair
- Stair Flight
- Transport
- Wall

Spatial

Search (press Enter)

b2_ar_r23

b1_ar_r23

Queries

Filter Queries

Create

SAVED QUERIES

- MC Query Test 10 March
- [IFC] BD- Area of Structural System Adopted (NEW)
- [IFC] BD-Beam Structural System (NEW)
- [IFC] BD-Column Structural System (NEW)
- [IFC] BD-Door (NEW)
- [IFC] BD-DryWall Partition (Internal Dry Area) (NEW)
- [IFC] BD-HS (NEW)
- [IFC] BD-High Strength Concrete (NEW)
- [IFC] BD-PBU (NEW)
- [IFC] BD-Precast Slab with Lattice Girder Reinforcement (NEW)
- [IFC] BD-Prefabricated & Pre-Insulated Duct for AC System

Total Columns Variables Search

Drag a column header here to group by that column

Element Name	Location	Ifc Entity	Predefined Type	Object Type	Description
No results based on the selected filters.					

Create Filter

Page 1 of 1 (0 items)

Properties

No element is currently selected. Click on an element to display its properties.



Thank You

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