BIM for Manufacturers in the AEC Industry

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Group Head of R&D

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  - Workflow
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  - BIM Content Management
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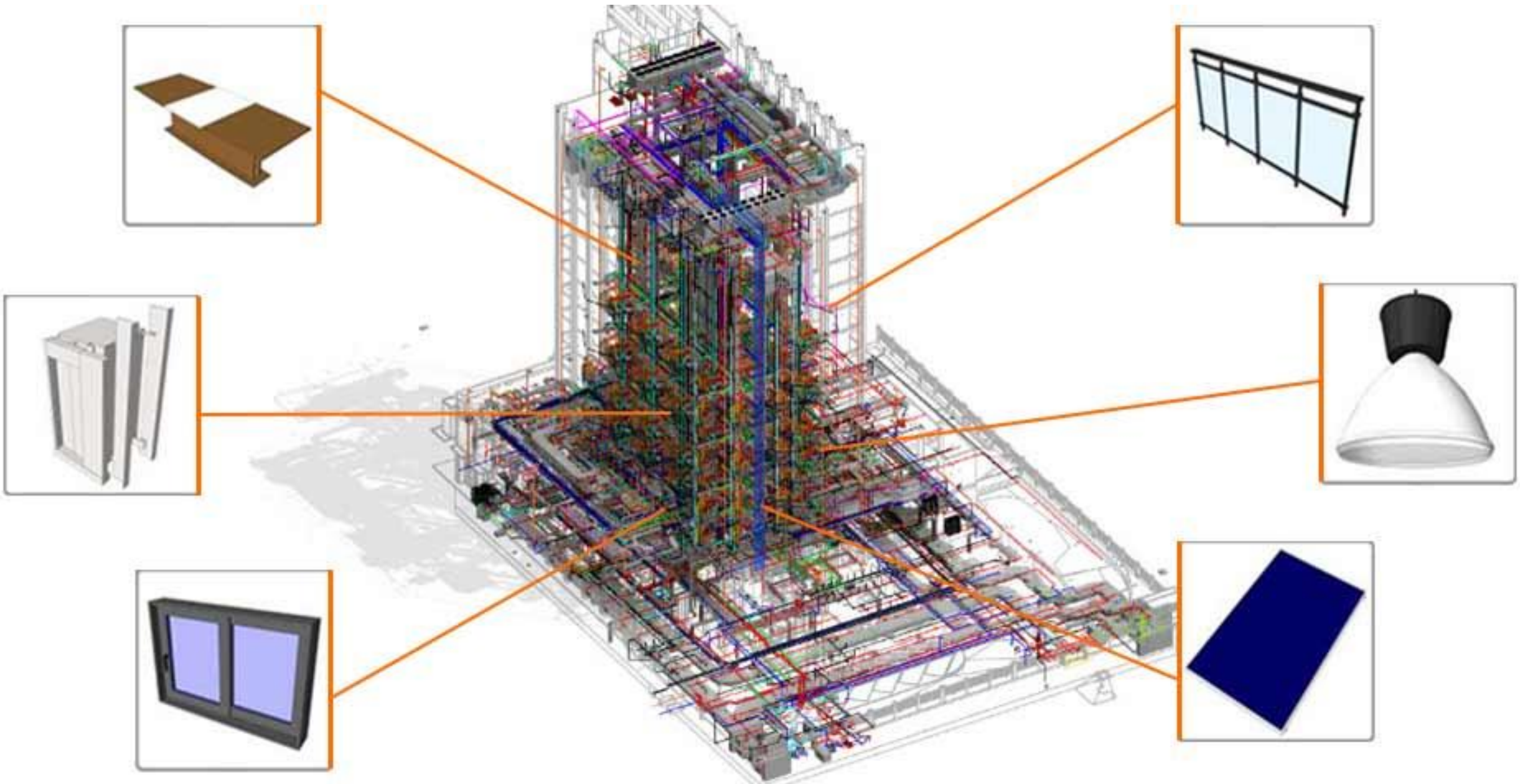
Why BIM for manufacturers

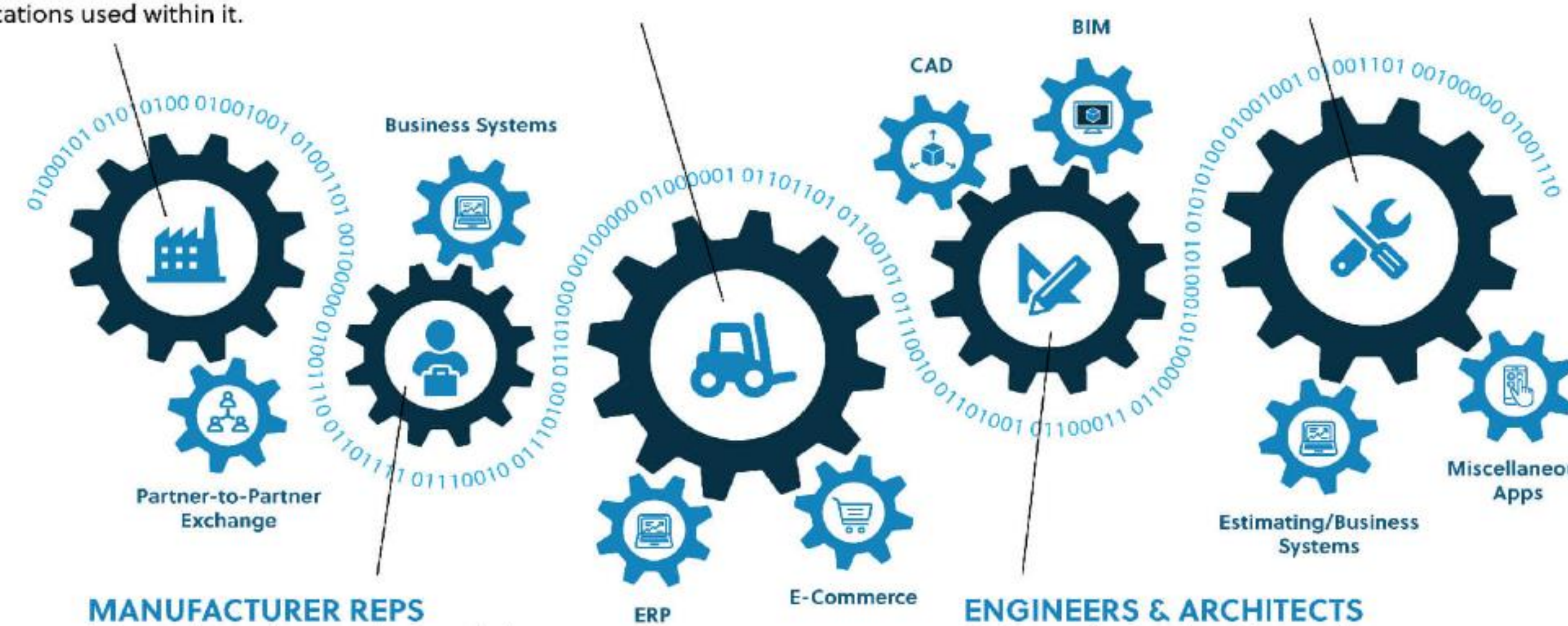


Industry Ecosystem Product Data Flow

MANUFACTURERS
The creators of technical products, manufacturers are the source of product content—the digital *fuel*—powering the ecosystem and the databases and applications used within it.

DISTRIBUTORS
Distributors rely on product content in their ERP and eCommerce systems to support customer marketing and material purchasing.

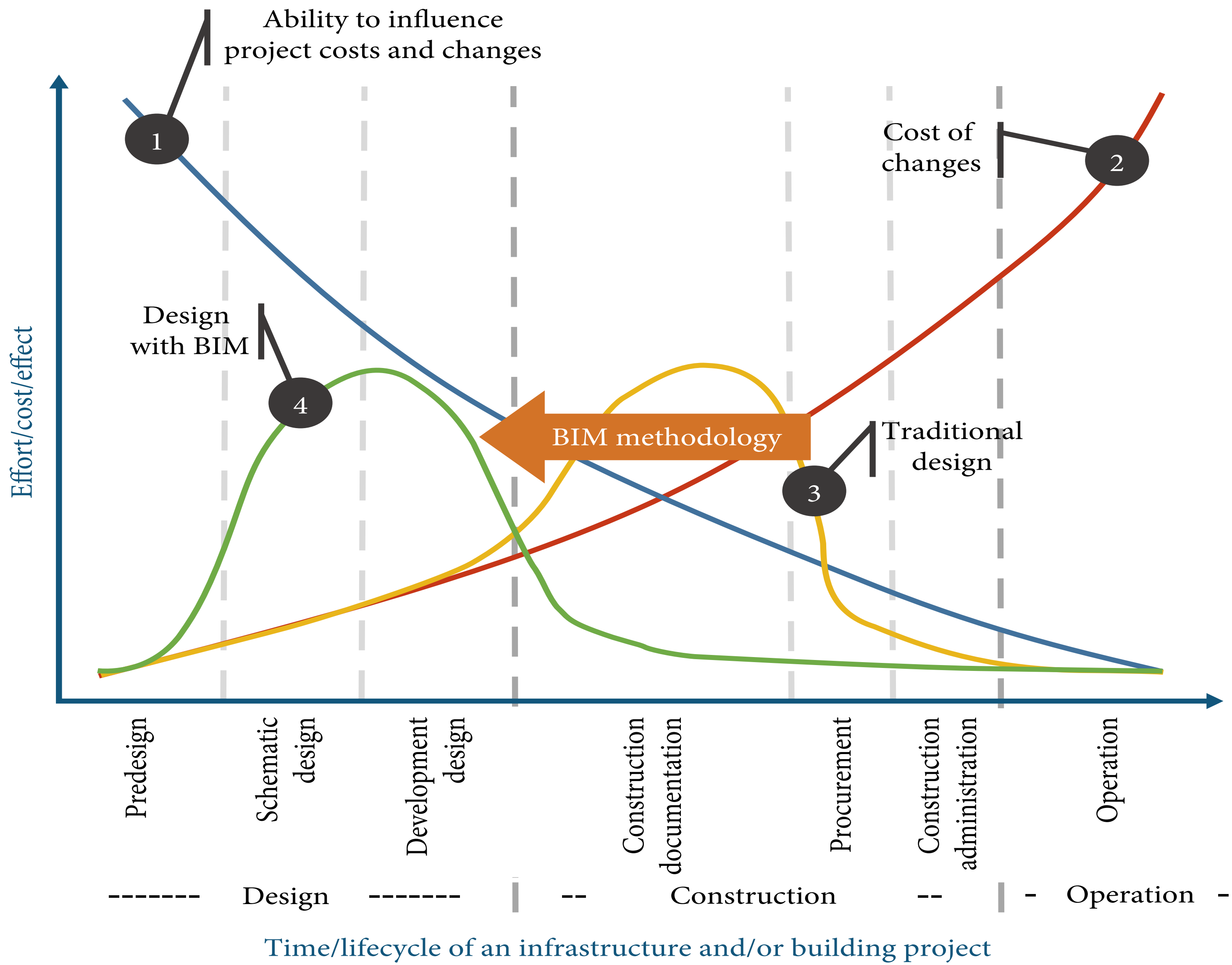
CONTRACTORS / END USERS
The ultimate consumers of products, they spec, source and install material, requiring product data for design, estimating and procurement systems.



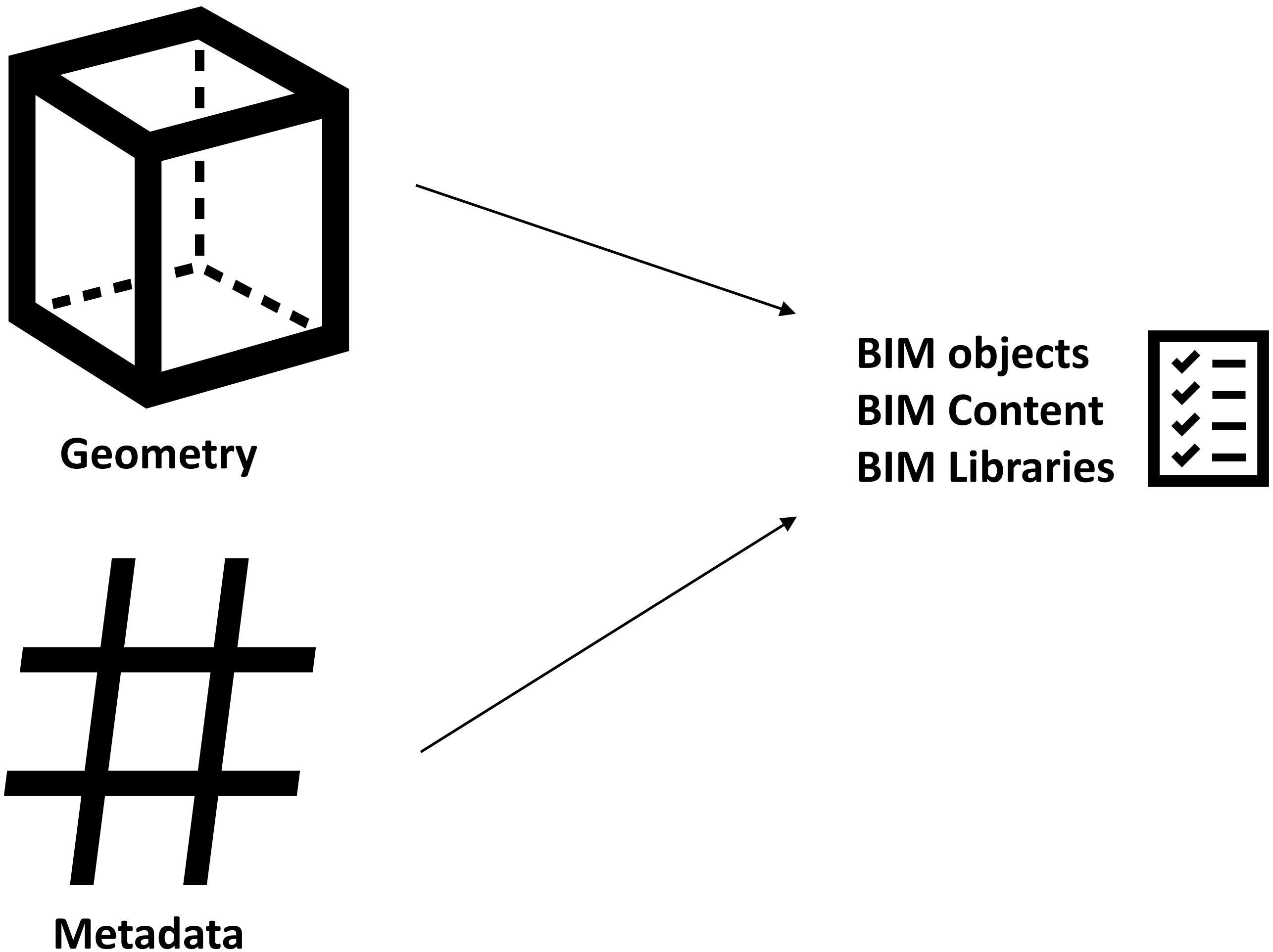
MANUFACTURER REPS
Independent sales organizations help bring product information to distributors, architects, engineers and installers. This data powers their business systems and helps them support project design and customer service.

ENGINEERS & ARCHITECTS
Design professionals utilize product information in various digital formats for CAD, BIM and 3D modeling software.

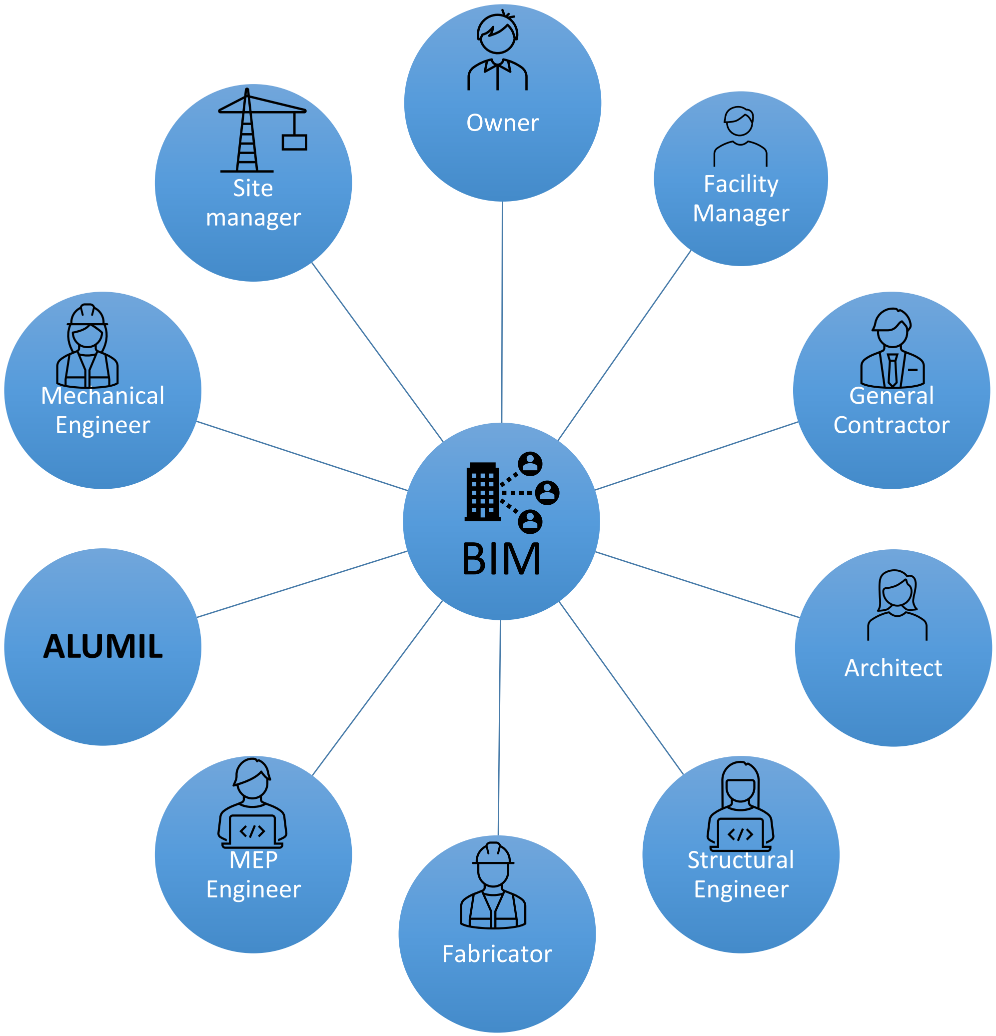
The MacLeamy Curve



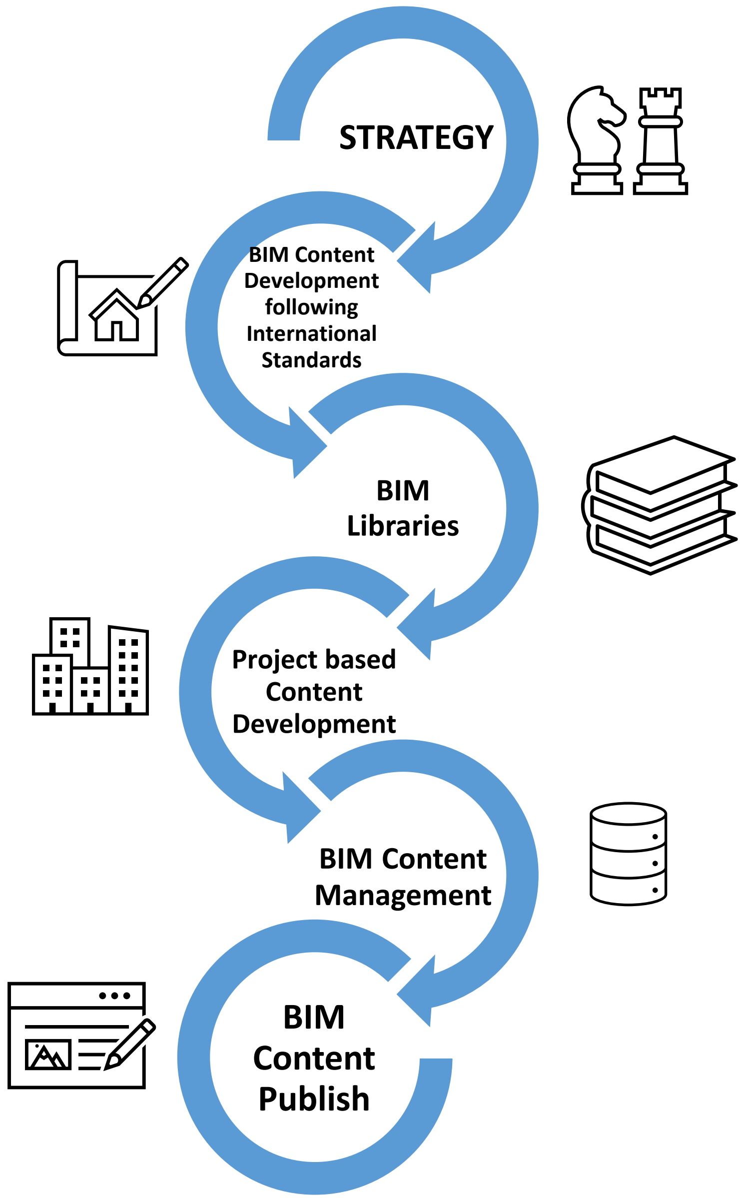
Manufacturers’ BIM objects



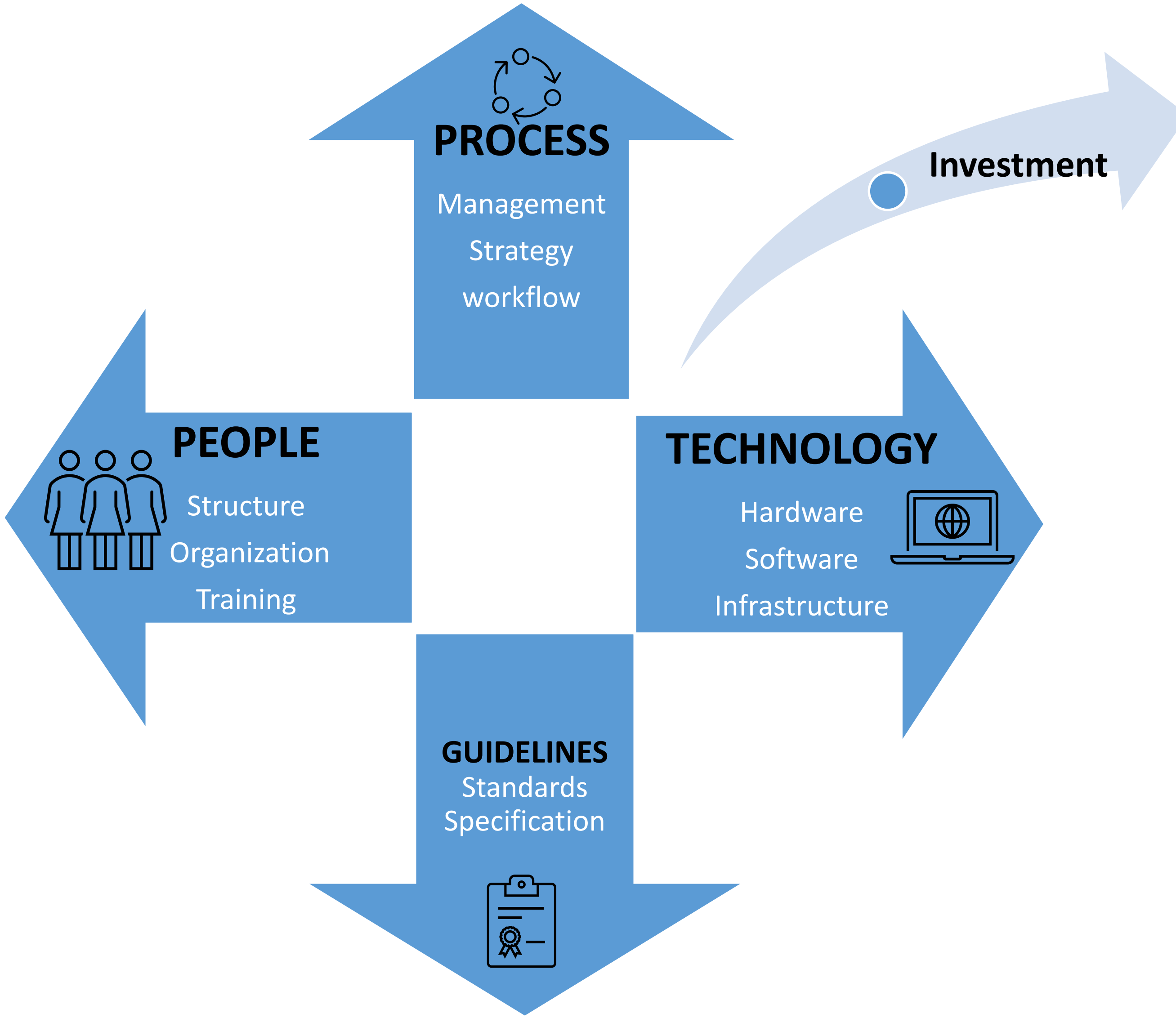
Implementing BIM in Alumil



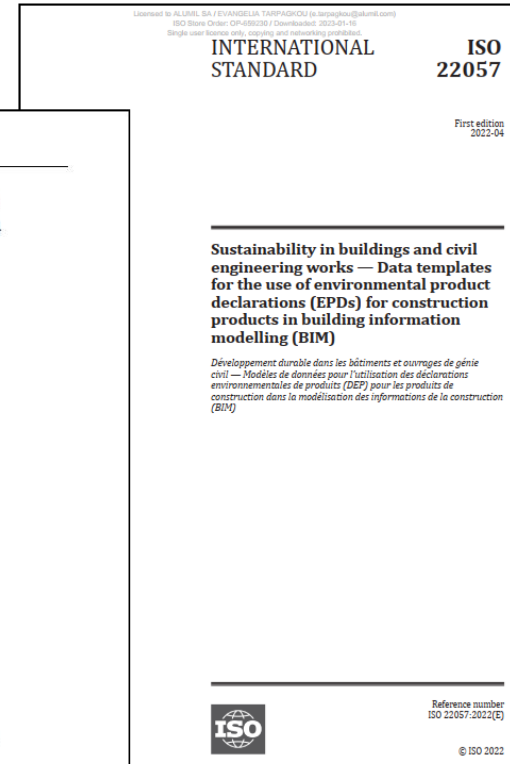
The Process Workflow



Strategy for successful BIM delivery



BIM Content according to Standards



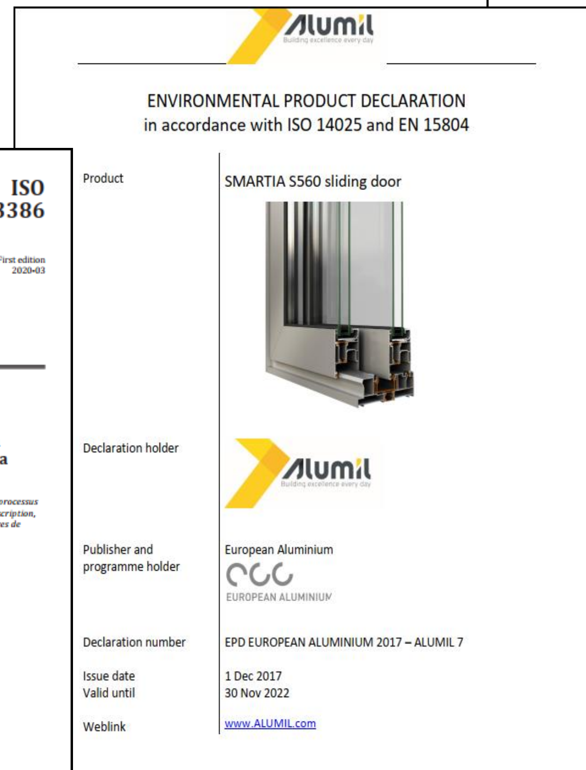
INTERNATIONAL STANDARD ISO 22057

First edition 2022-04

Sustainability in buildings and civil engineering works — Data templates for the use of environmental product declarations (EPDs) for construction products in building information modelling (BIM)

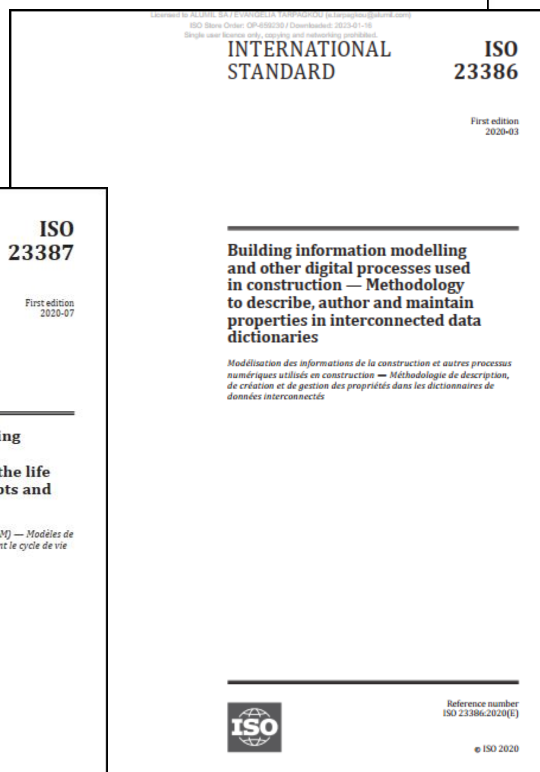
Développement durable dans les bâtiments et ouvrages de génie civil — Modèles de données pour l'utilisation des déclarations environnementales de produits (DEP) pour les produits de construction dans la modélisation des informations de la construction (BIM)

Reference number ISO 22057:2022(E)


Alumil
Building excellence every day

ENVIRONMENTAL PRODUCT DECLARATION
in accordance with ISO 14025 and EN 15804

Product	SMARTIA S560 sliding door
Declaration holder	Alumil
Publisher and programme holder	European Aluminium
Declaration number	EPD EUROPEAN ALUMINIUM 2017 – ALUMIL 7
Issue date Valid until	1 Dec 2017 30 Nov 2022
Weblink	www.ALUMIL.com



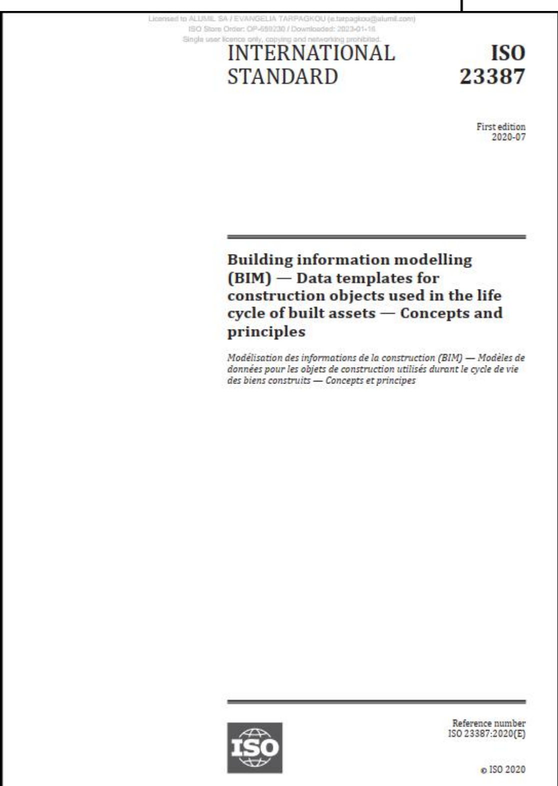
INTERNATIONAL STANDARD ISO 23386

First edition 2020-03

Building information modelling and other digital processes used in construction — Methodology to describe, author and maintain properties in interconnected data dictionaries

Modélisation des informations de la construction et autres processus numériques utilisés en construction — Méthodologie de description, de création et de gestion des propriétés dans les dictionnaires de données interconnectés

Reference number ISO 23386:2020(E)



INTERNATIONAL STANDARD ISO 23387

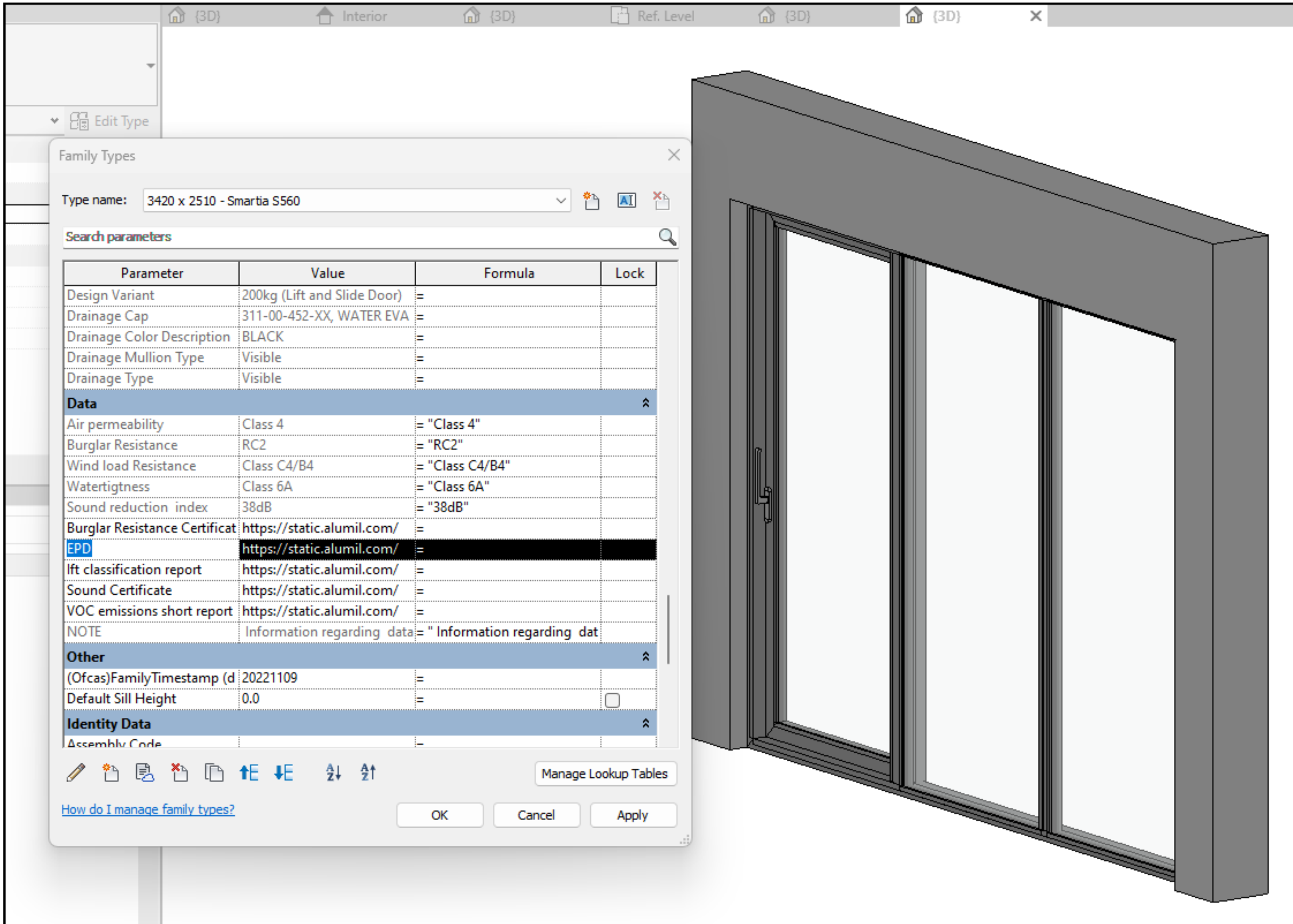
First edition 2020-07

Building information modelling (BIM) — Data templates for construction objects used in the life cycle of built assets — Concepts and principles

Modélisation des informations de la construction (BIM) — Modèles de données pour les objets de construction utilisés durant le cycle de vie des biens construits — Concepts et principes

Reference number ISO 23387:2020(E)

BIM Libraries



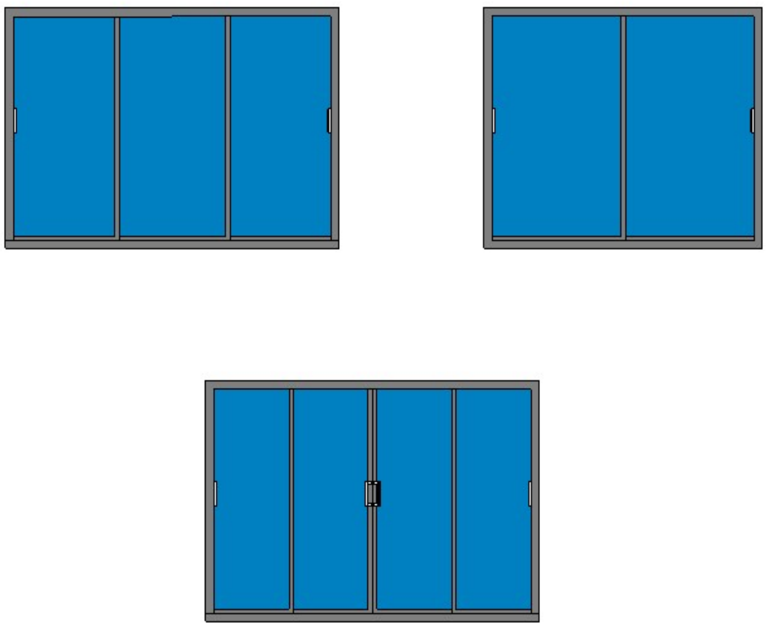
BIM Libraries

alumil.com

Alumil_Smartia_M630_Phos

PROJECT NUMBER

Basic Typologies



Performance

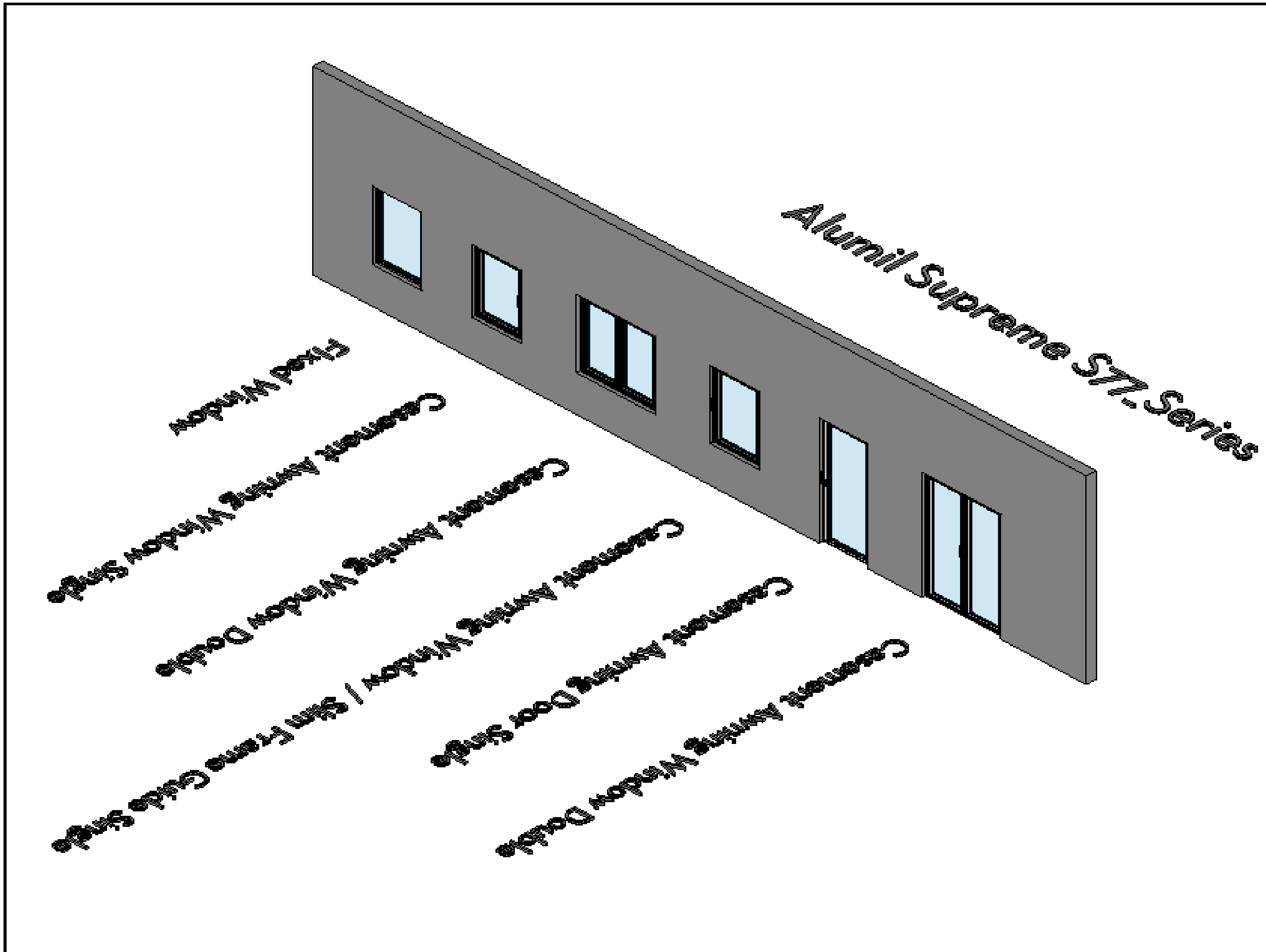
Water Tightnes EN 12208	Class 7A
Windload Resistance EN12210	Class C5
Air Permeability EN12207	Class 4
Sound Reduction EN ISO 140-3	42 dB
Thermal Insulation	1,43W/m2K*

*

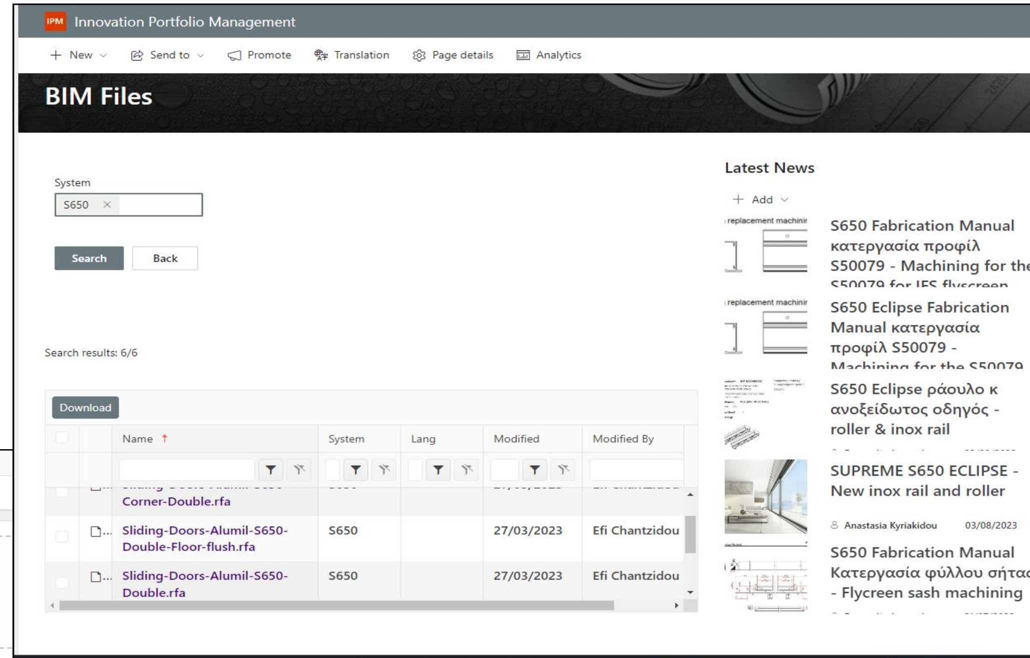
Alumil BIM Services
04/14/23

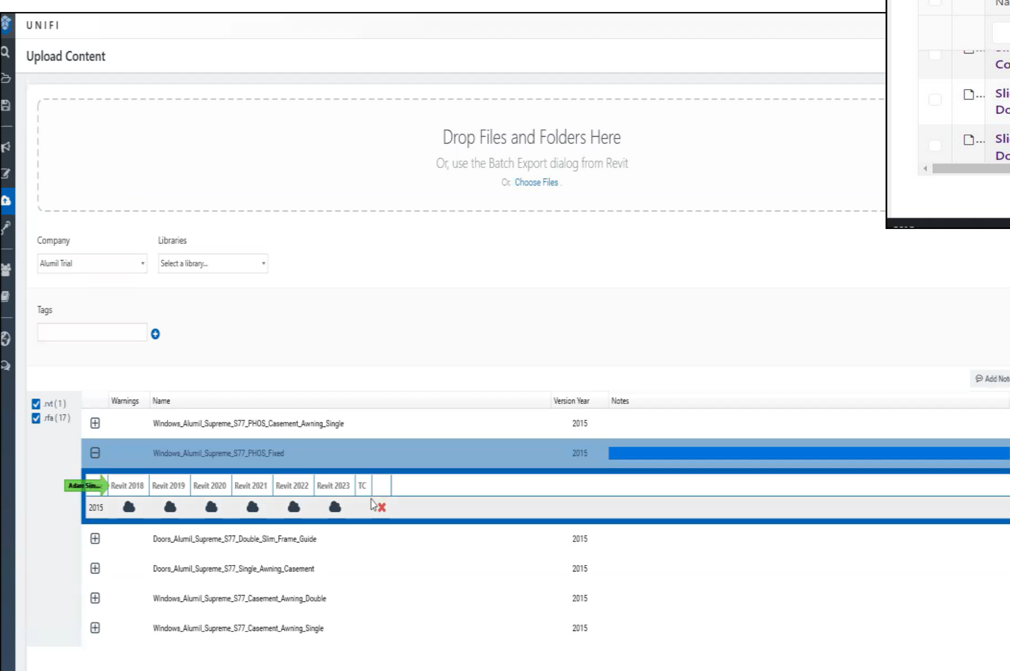
bimservices@alumil.com

BIM Libraries

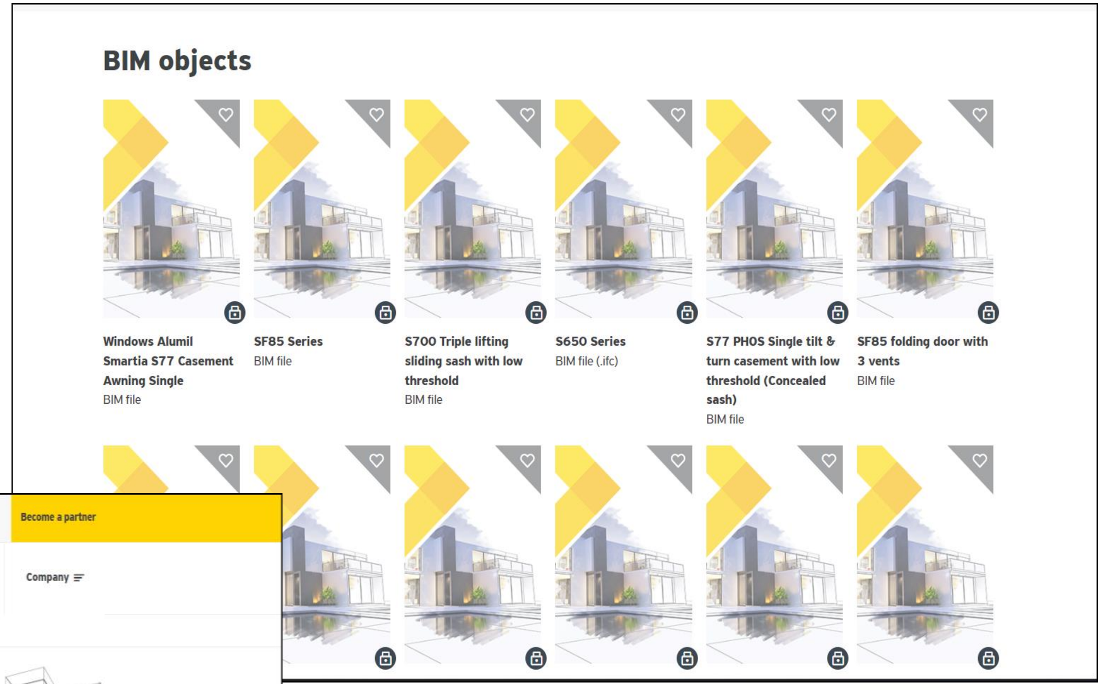


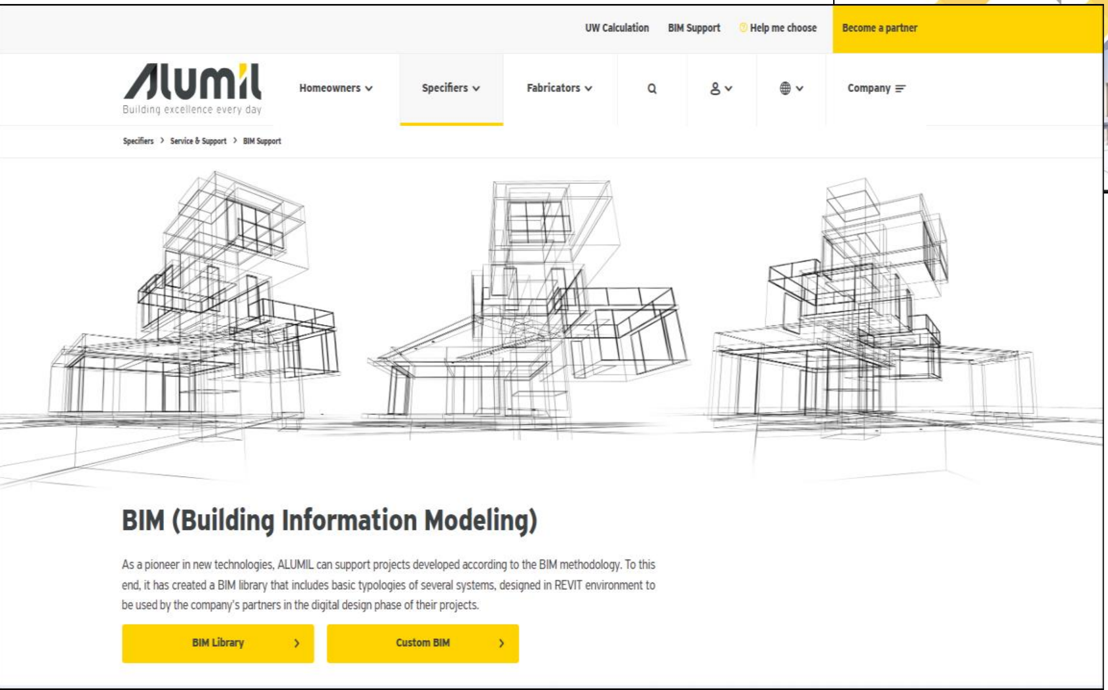
BIM Content Management





BIM Content Publishing





BIM Content Publishing

bimobject | Software | Search BIM objects, categories or brands | Search | Your projects

Home / Categories / Windows / Single Hung Windows / Windows and Doors SMARTIA S67

Available in Greece

Alumil + Follow

Windows and Doors SMARTIA S67

5.0 (5 reviews)

Smartia S67 is the new complete Tilt & Turn system of ALUMIL, which combines outstanding thermal insulation performances along with high construction flexibility and exceptional design.

Download

Specification

- Basic system depth 67 mm.
- High Thermal insulation with Uw=1,446 W/m2K
- Visible aluminium face width 93mm and only 72mm with the concealed sash.
- Available in various designs: flat & curved.
- Max. glass thickness up to 58 mm and weight per sash up to 150 Kg.
- 3 levels of watertightness with EPDM gaskets.
- Higher waterproofing level.

Performances

Thermal insulation EN ISO 10077-2

Uf from 1,65 up to 2.4 W/m2K

Uw=1,446 W/m2K (frame size of 1,5 x 2,2m; Ug=1,0 W/m2K; ψ=0.035 W/mK)

Connect with **Alumil**

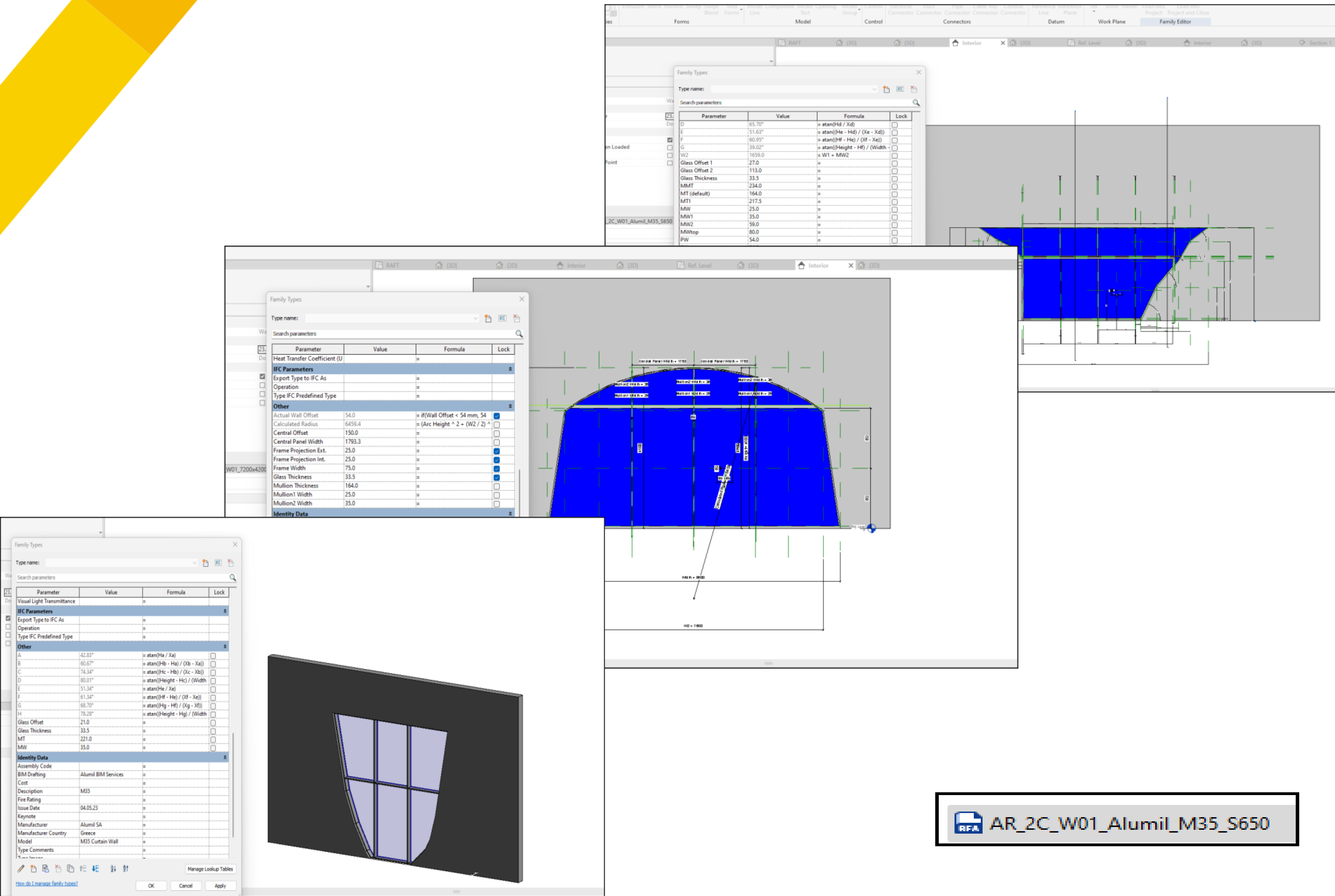
The Red See_Desert Rock_Saudi Arabia

BIM Execution Plan (BEP)

Hotel 13 – Desert Rock
P26 – Aluminum & Glazing

The Red Sea
Development
Company

Alumil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Value
Formula
Lock
IFC Parameters
Other
Identity Data
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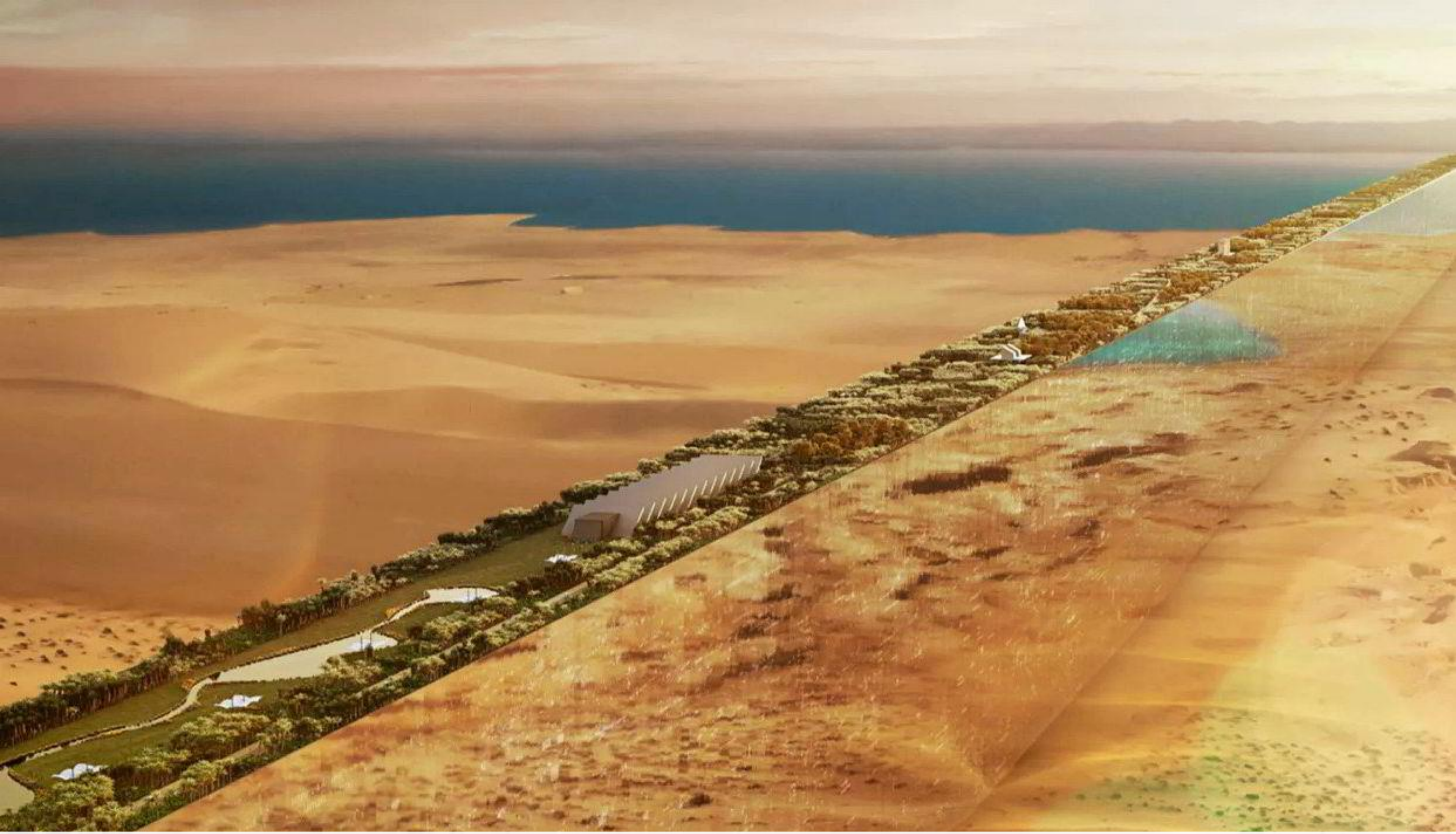
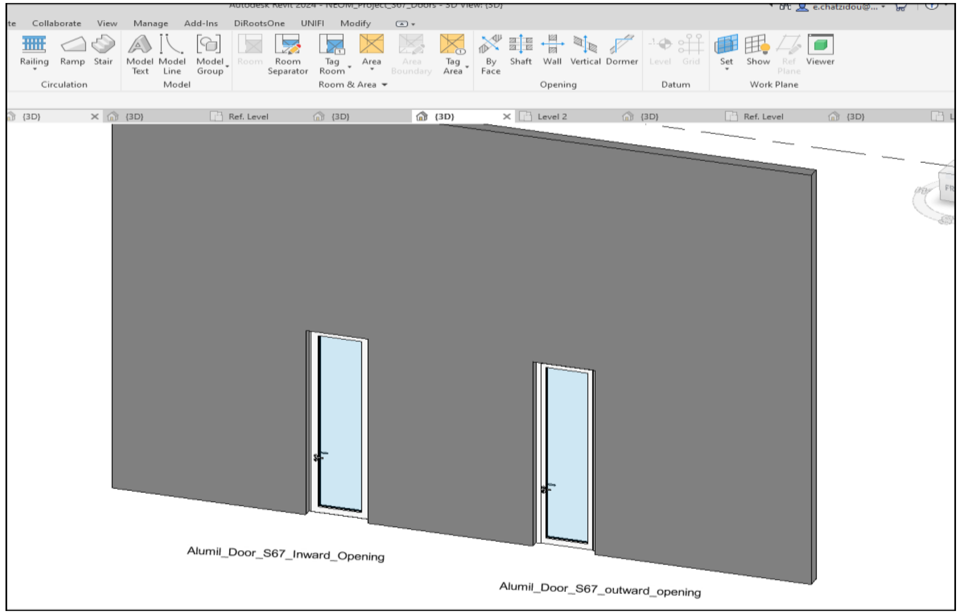


NEOM_The Line Project-Saudi_Arabia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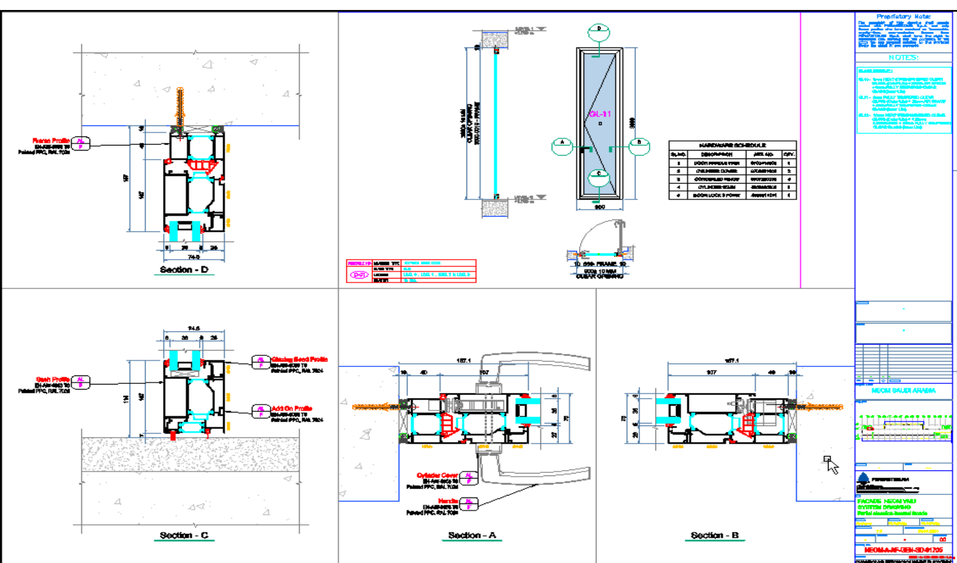
Alumil_Door_S67_outward_opening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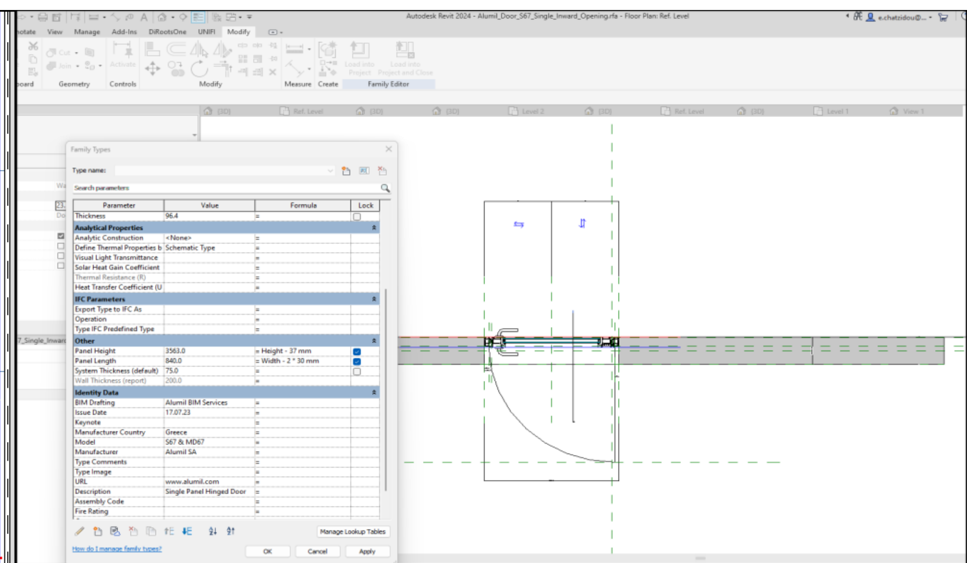
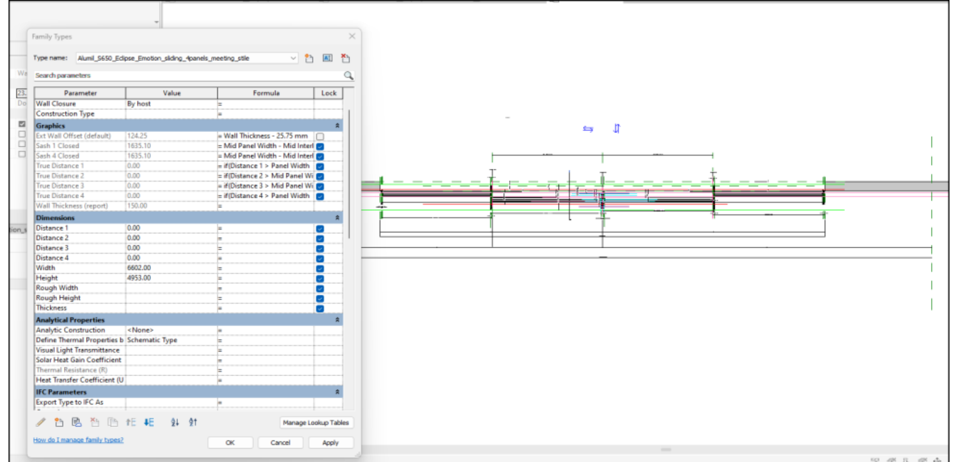
Section - C
Section - A
Section - B

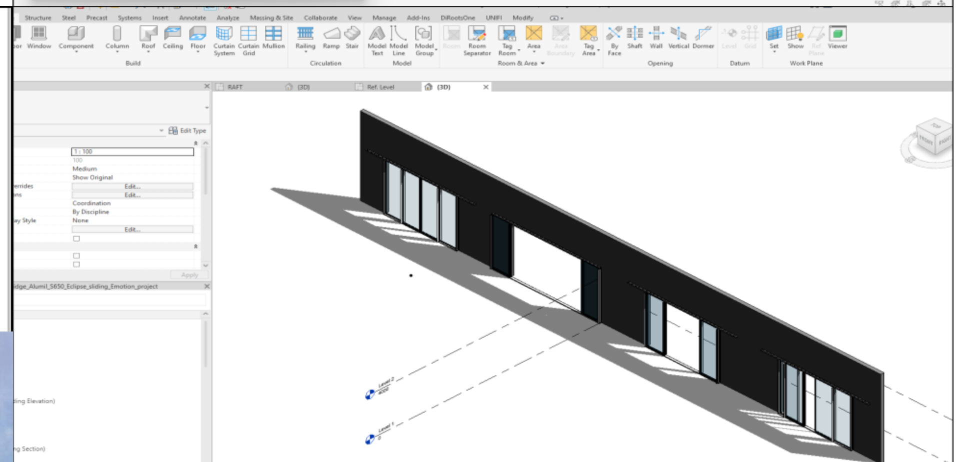


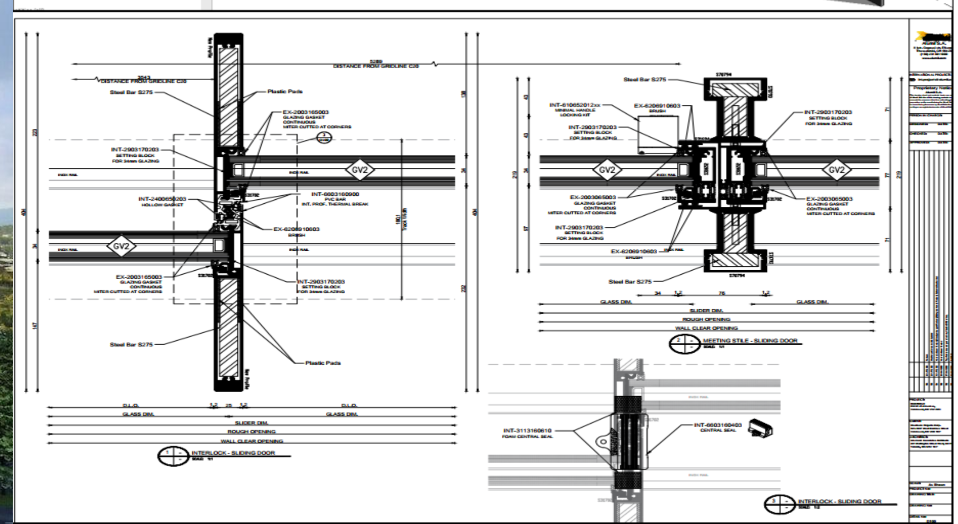
OAKRIDGE Project- CANADA



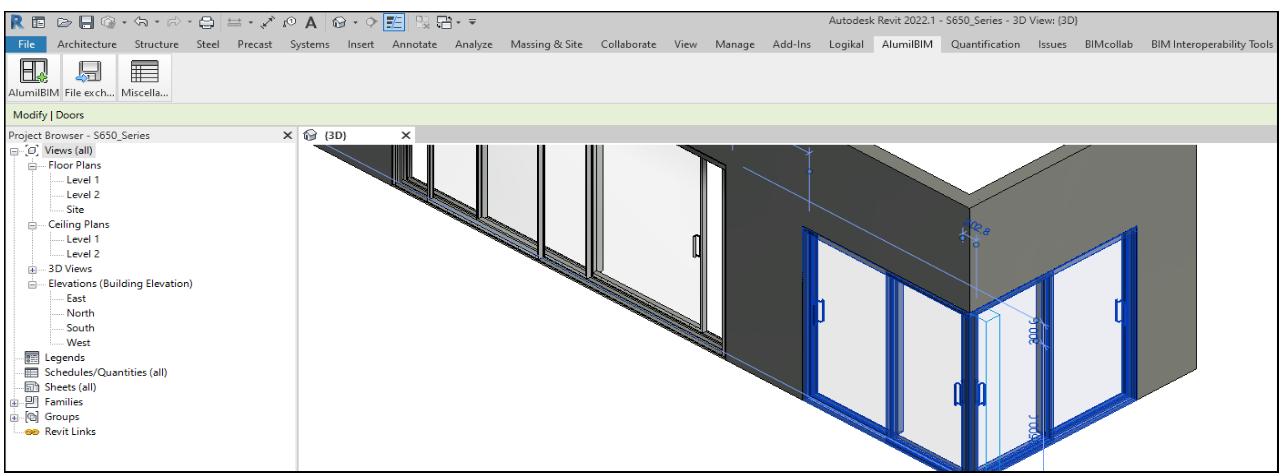
Alumil

OAKRIDGE
650 W 41st Avenue,
Vancouver, BC V5Z 2M9
SHOP DRAWINGS





Next Steps



Autodesk Revit 2022.1 - S650_Series - 3D View: {3D}
File
Architecture
Structure
Steel
Precast
Systems
Insert
Annotate
Analyze
Massing & Site
Collaborate
View
Manage
Add-Ins
Logikal
AlumilBIM
Quantification
Issues
BIMcollab
BIM Interoperability Tools
AlumilBIM
File exch...
Miscella...
Modify | Doors
Project Browser - S650_Series
{3D}
Views (all)
Floor Plans
Level 1
Level 2
Site
Ceiling Plans
Level 1
Level 2
3D Views
Elevations (Building Elevation)
East
North
South
West
Legends
Schedules/Quantities (all)
Sheets (all)
Families
Groups
Revit Links

The digital journey keeps going on….

Thank you for your attention