BIM Forum Chile

1er Encuentro Soluciones Tecnológicas BIM

12 de mayo 2016

«Diseño e interoperabilidad con Archicad»

Patricio Zapata - Archisoft

DESEMPEÑO E INTEROPERABILIDAD CON ARCHICAD

Arq. Patricio Zapata A.
BIM Consultant LATAM
Certified ARCHICAD Professional
GRAPHISOFT Certified ARCHICAD
BIM MANAGER

AGENDA

– GRAPHISOFT
– VALORES PERMANENTES
– RENDIMIENTO
– COLABORACION/INTEROPERABILIDAD

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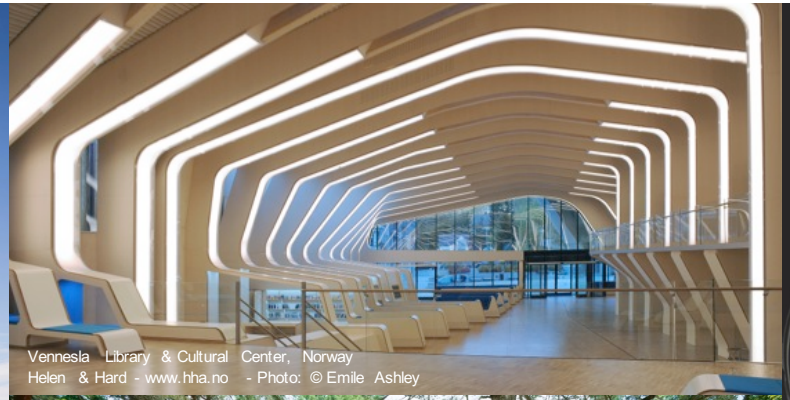
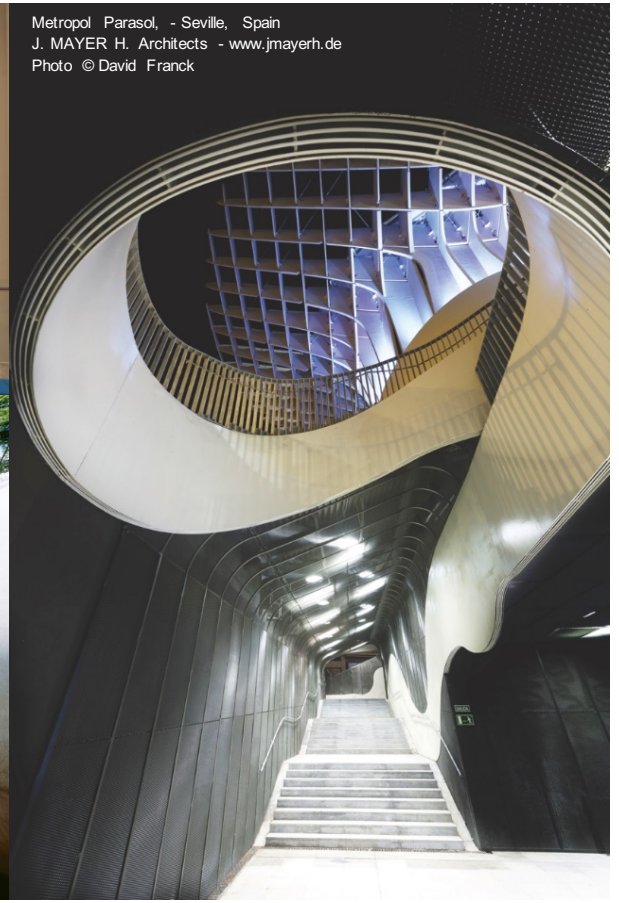
GRAPHISOFT ARCHICAD

Bradford College, UK
Bond Bryan Architects - www.bondbryan.com

The Eco-house 3.0, Castellón de la Plana, Spain
NOEM - noem.com - Photo © Meritxell Arjalaguer


Vennesla Library & Cultural Center, Norway
Helen & Hard - www.hha.no - Photo: © Emile Ashley

SHELL - ARTechnic architects
www.artechnic.jp
Photography © Nacasa & Partners Inc.


Metropol Parasol, - Seville, Spain
J. MAYER H. Architects - www.jmayerh.de
Photo © David Franck

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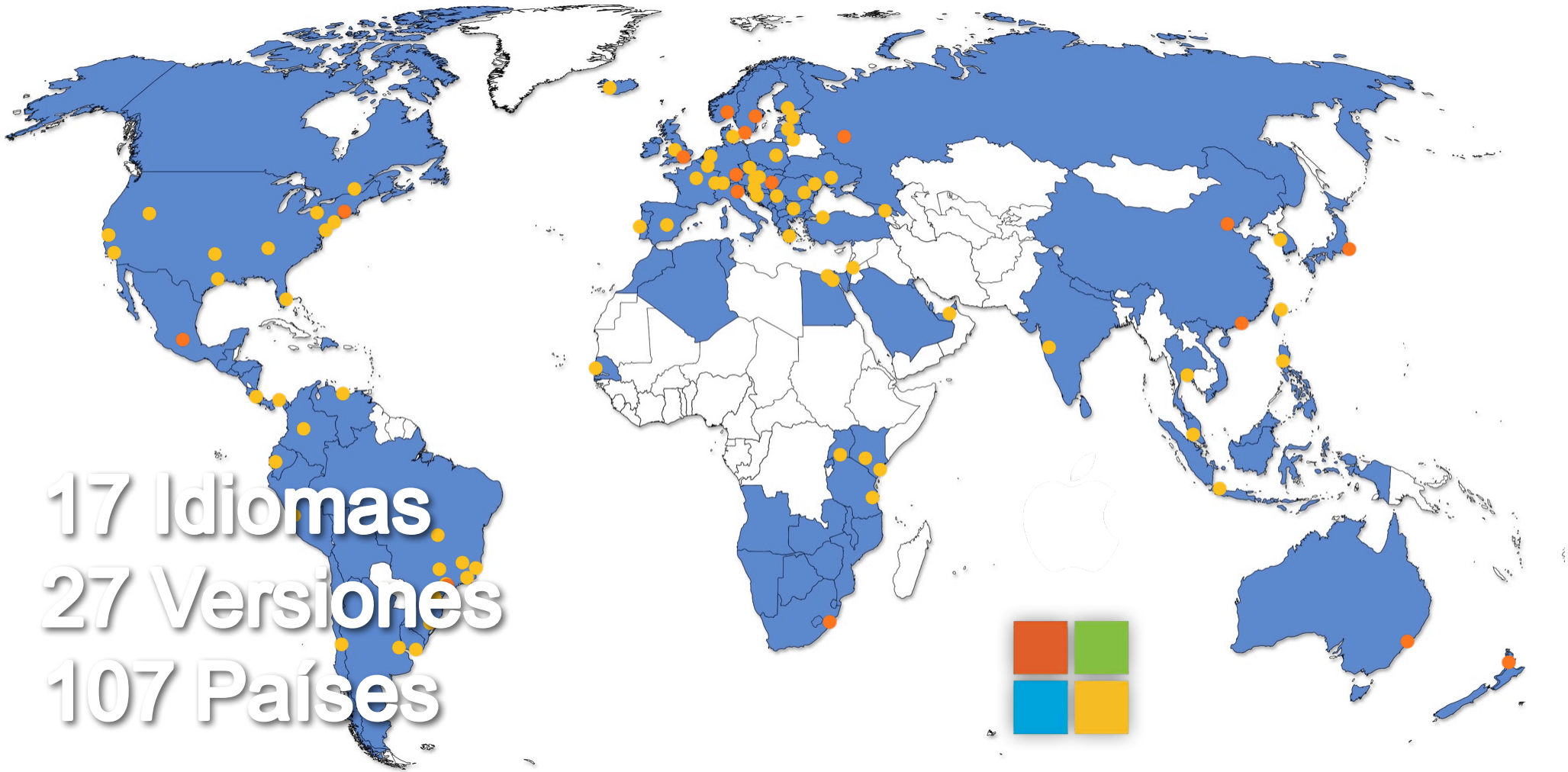
GRAPHISOFT en el MUNDO



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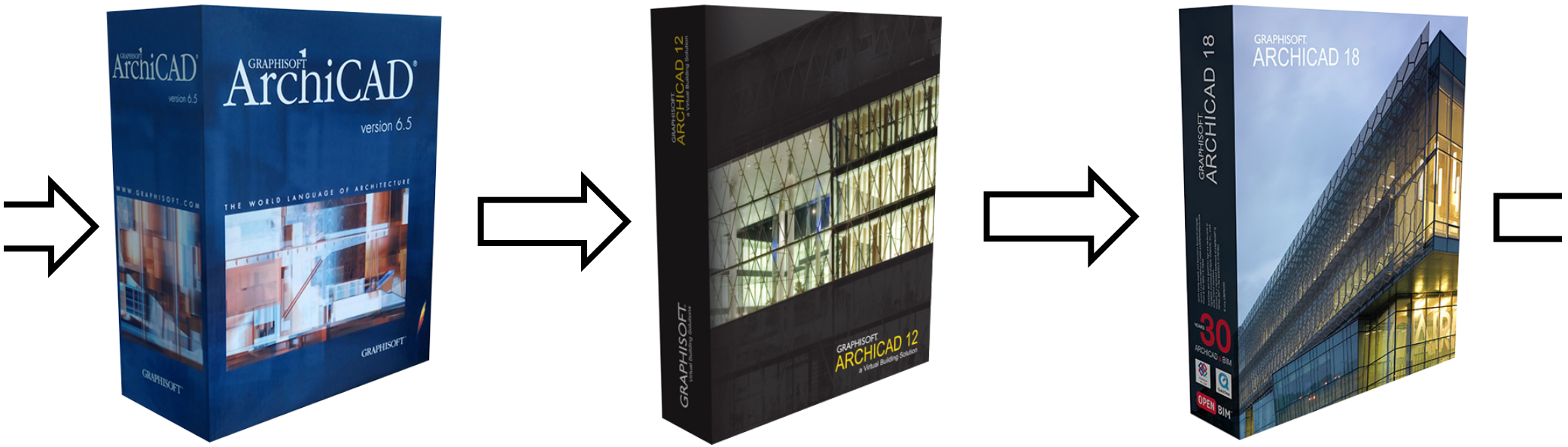
Valores permanentes de ARCHICAD



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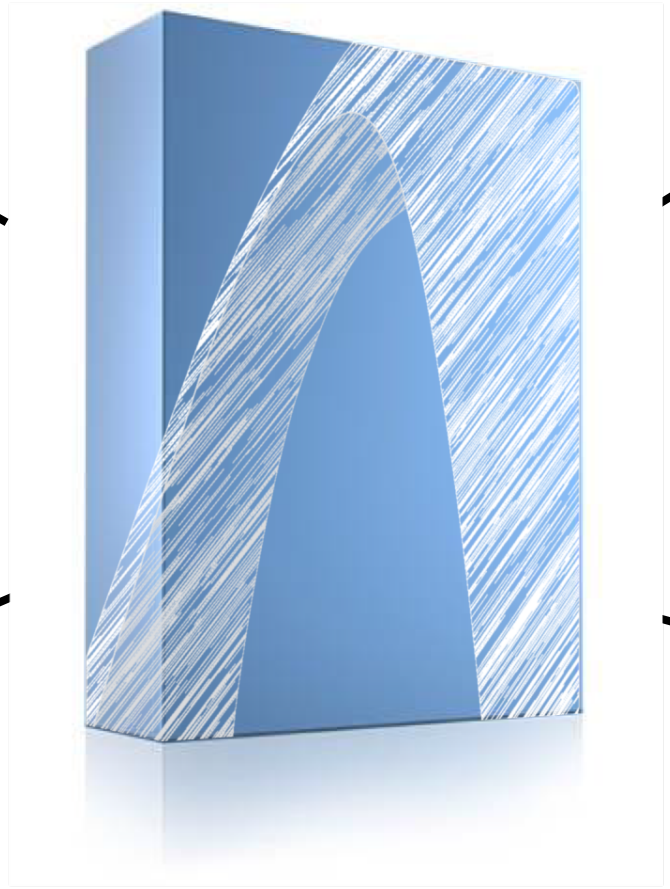
Valores permanentes de ARCHICAD

Arquitectura

Rendimiento



Intuitividad

Colaboración

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Valores permanentes de ARCHICAD

Arquitectura

Rendimiento

Intuitividad

Colaboración

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GRAPHISOFT Ecosistema de Soluciones

Soluciones BIM

Gestión de datos BIM

Acceso de datos BIM

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Rendimiento

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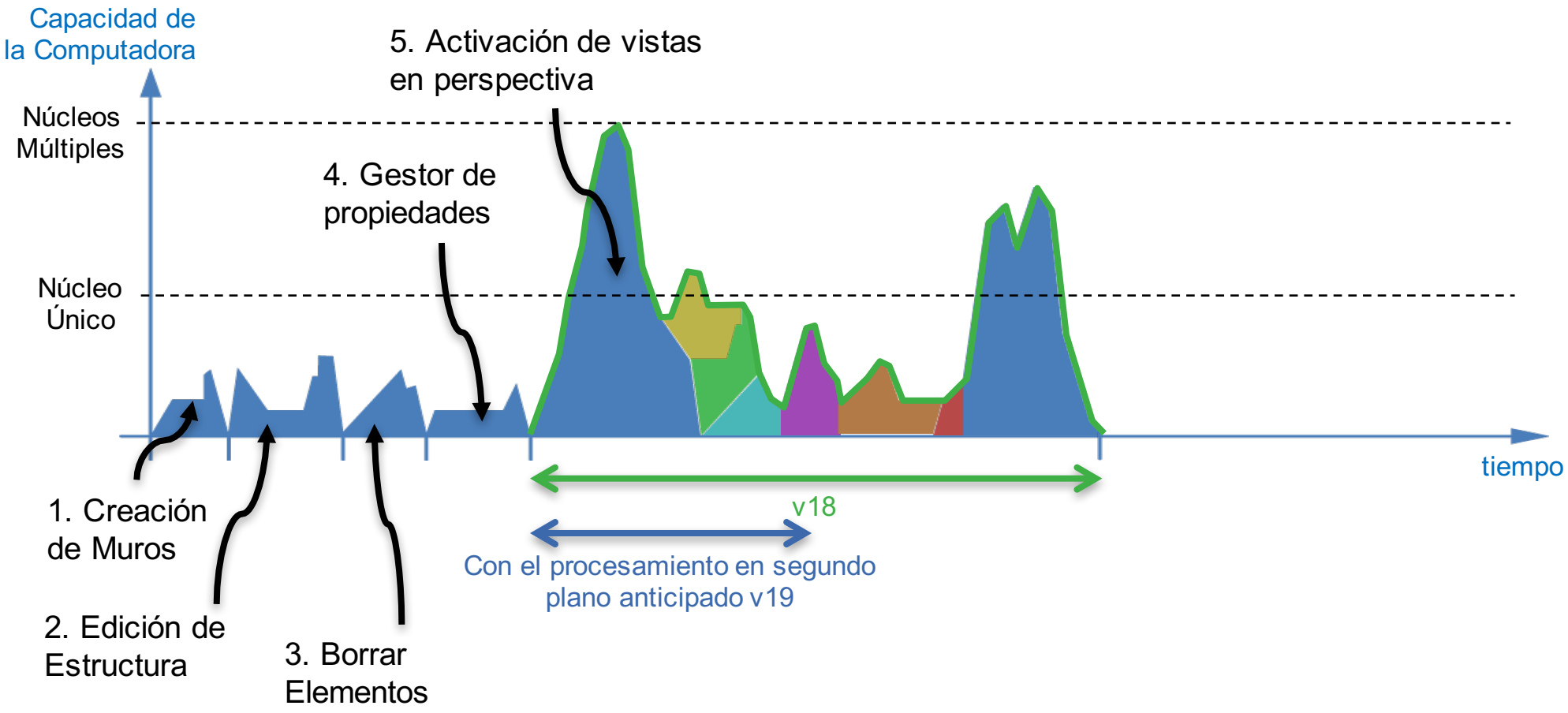
RENDIMIENTO

Procesamiento anticipado en segundo plano



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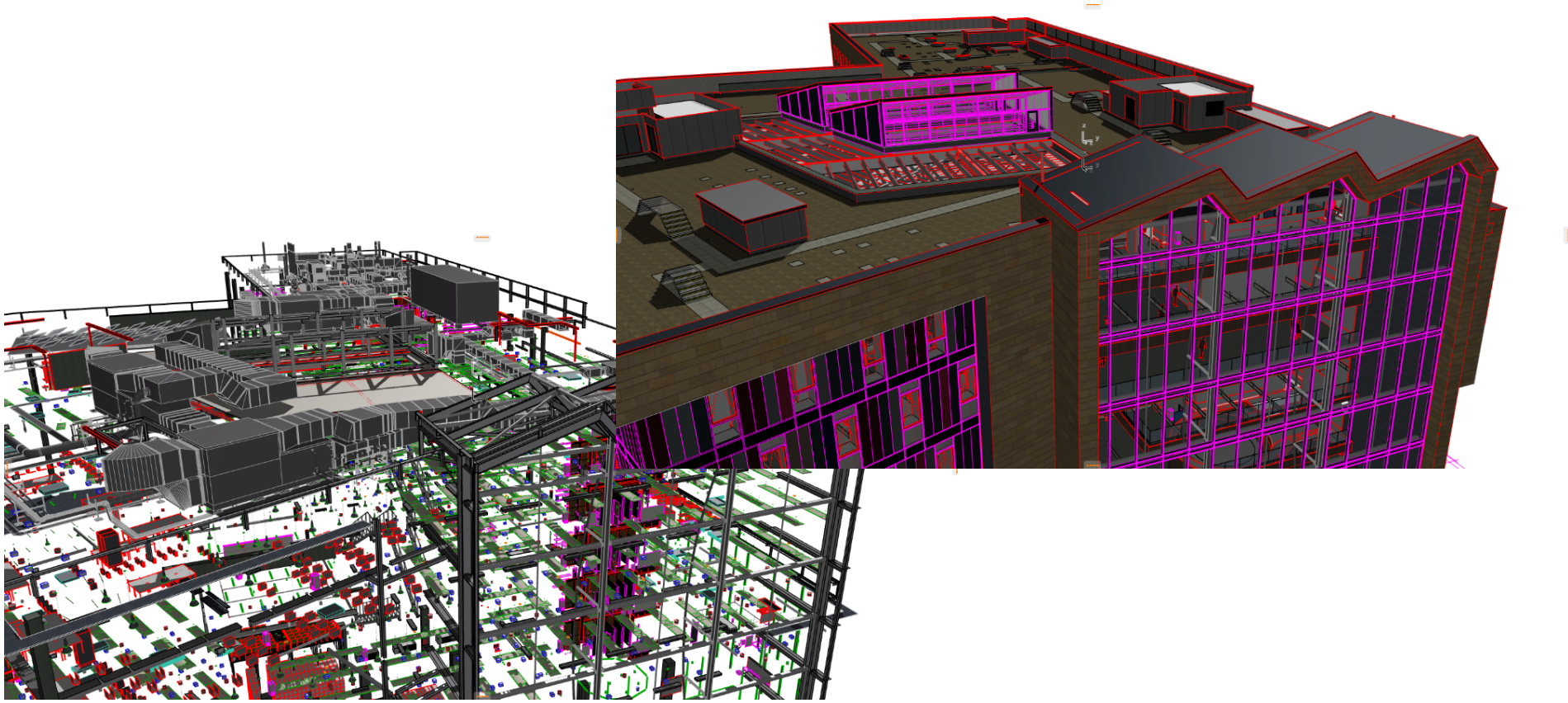
RENDIMIENTO

Navegación 3D más suave y rápida con Open GL



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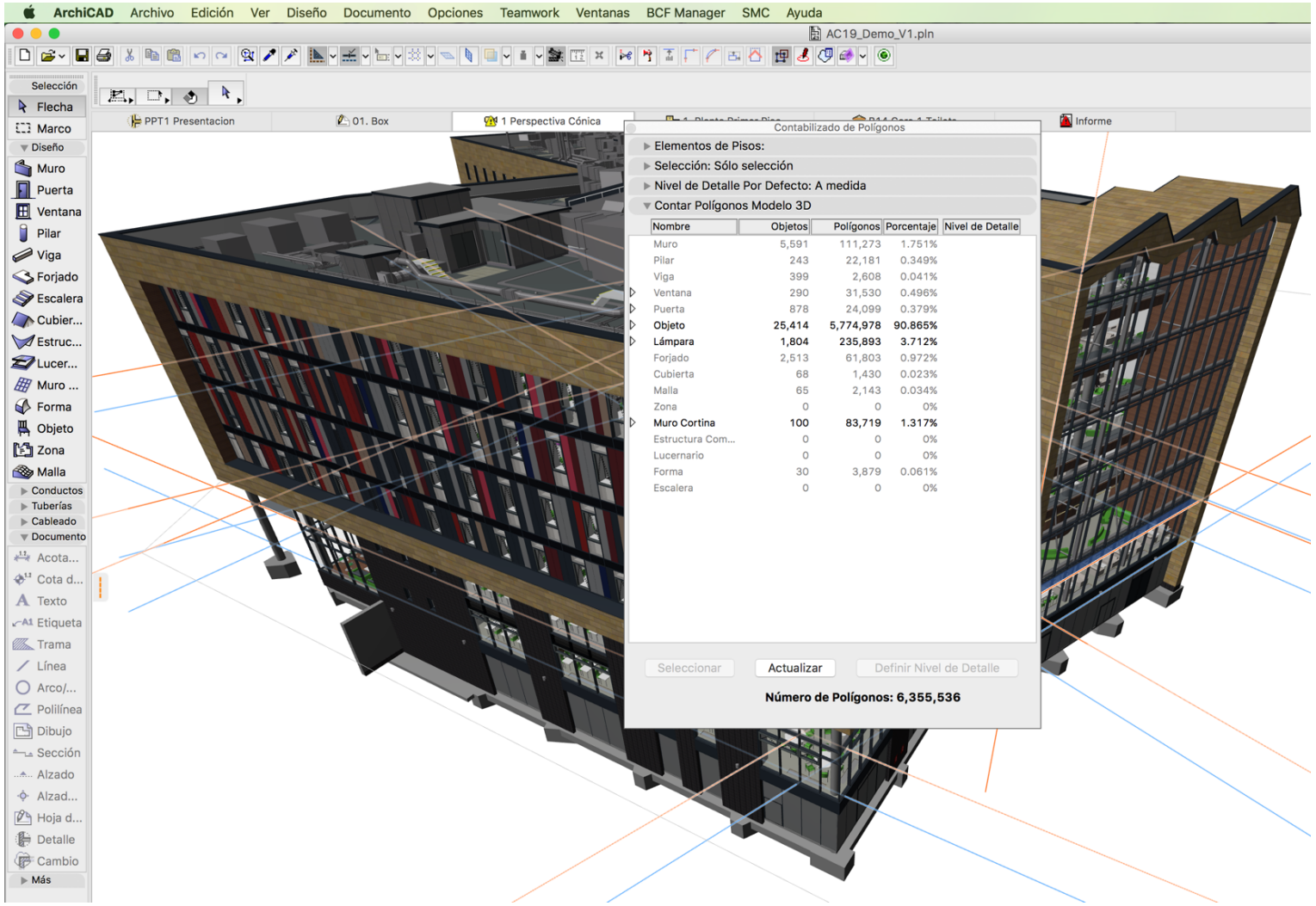
RENDIMIENTO



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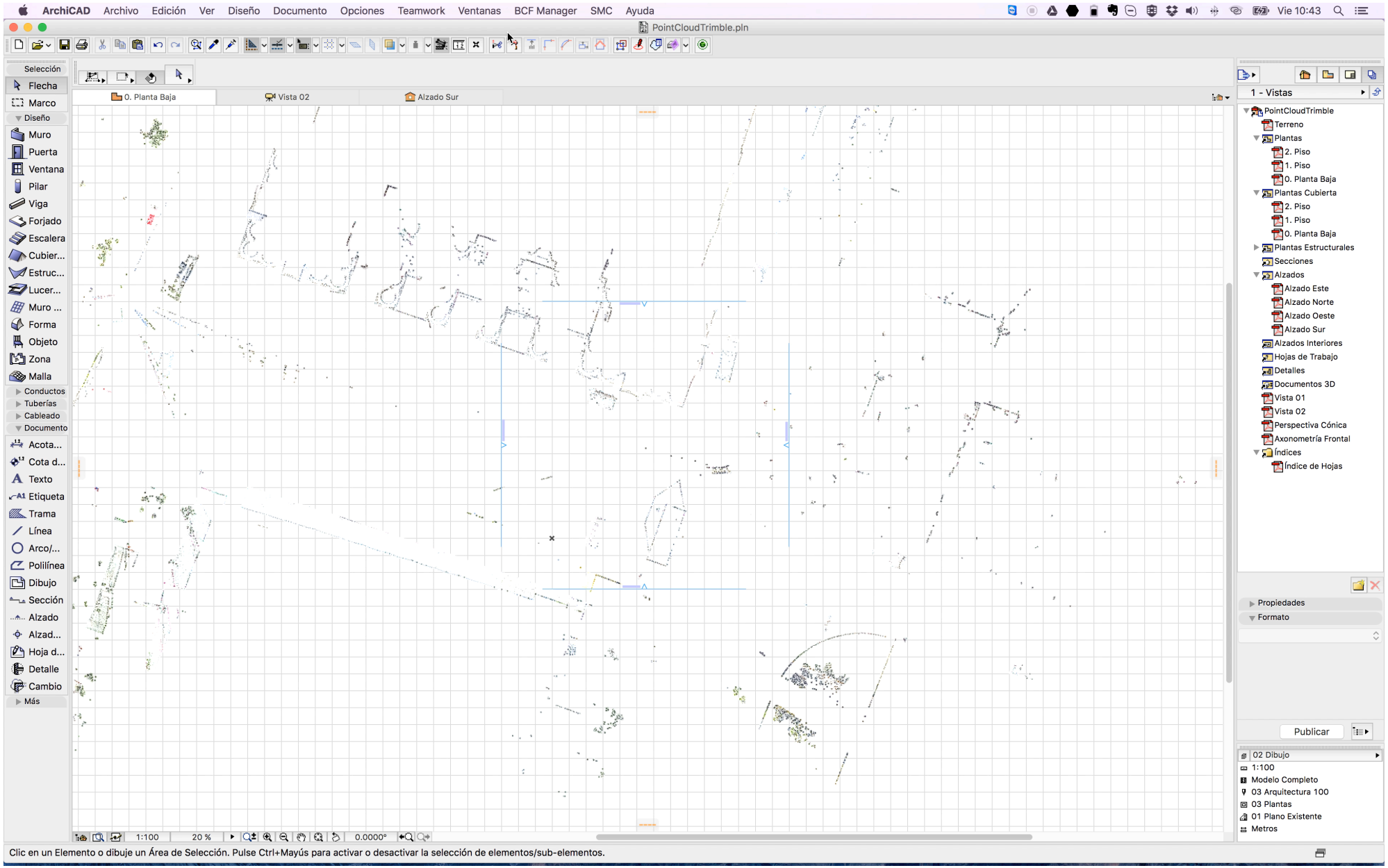

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Colaboración

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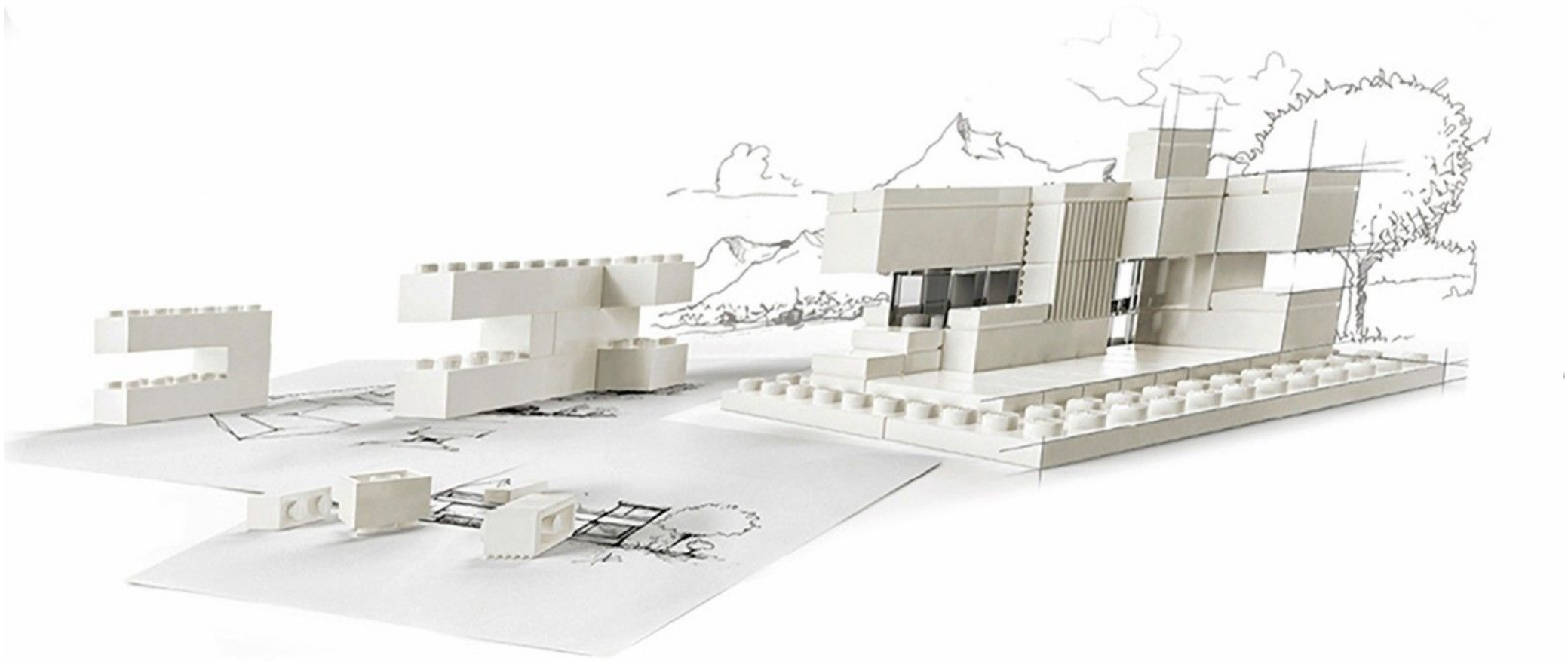
Colaboración



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Teamwork - BIM Server

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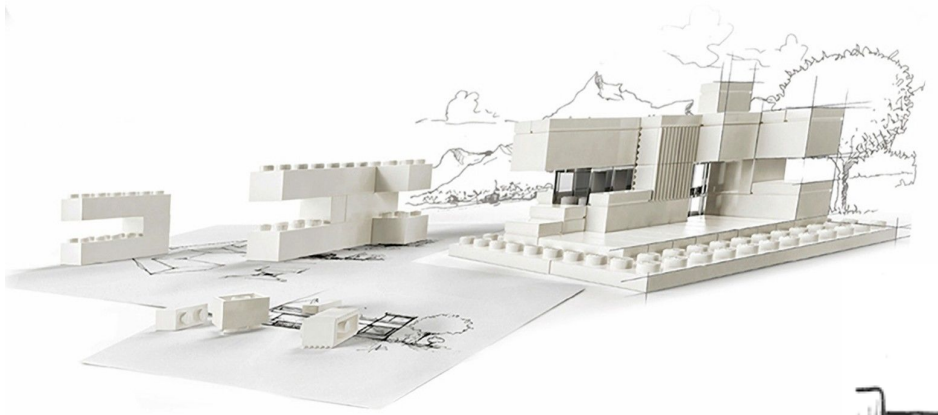
Teamwork - BIM Server



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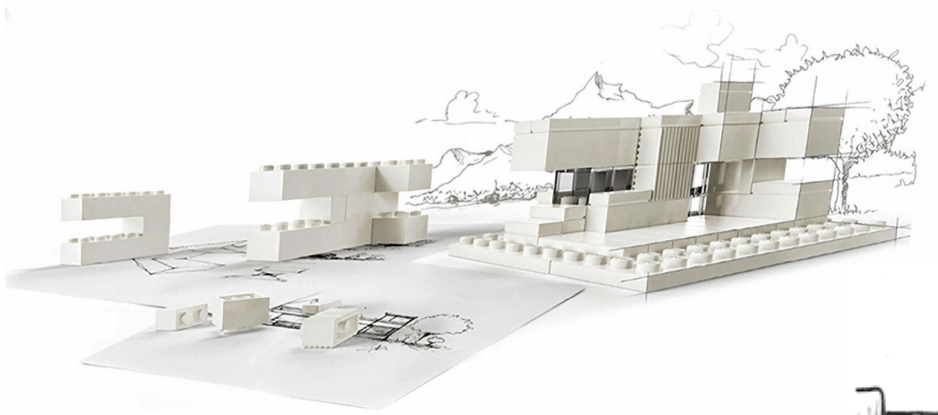
Teamwork - BIM Server



Team Leader

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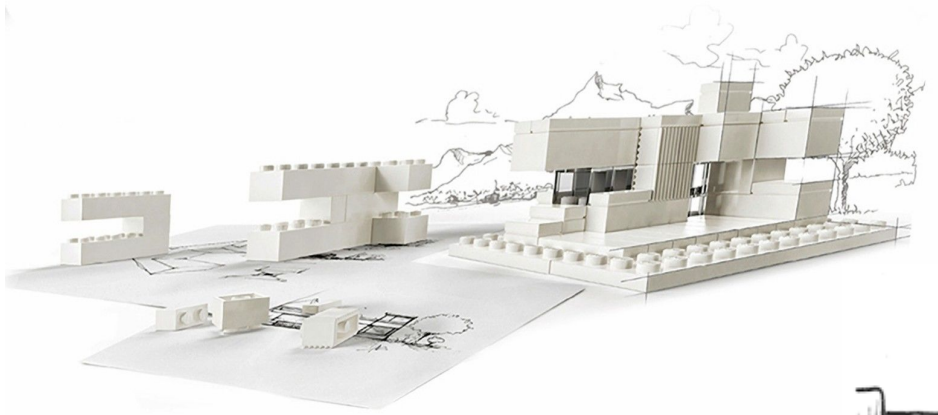
Teamwork - BIM Server



Team Leader

Teammate

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GRAPHISOFT Teamwork

- Único archivo (Base de Datos)
- Todos los usuarios conectados a una única base de datos
- Reserva de información inmediata (Los permisos sobre los objetos son en tiempo real)
- Recepción / Envío de cambios solo de “lo modificado”
- BIM Server controla el acceso e integridad de datos

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Teamwork en Acción

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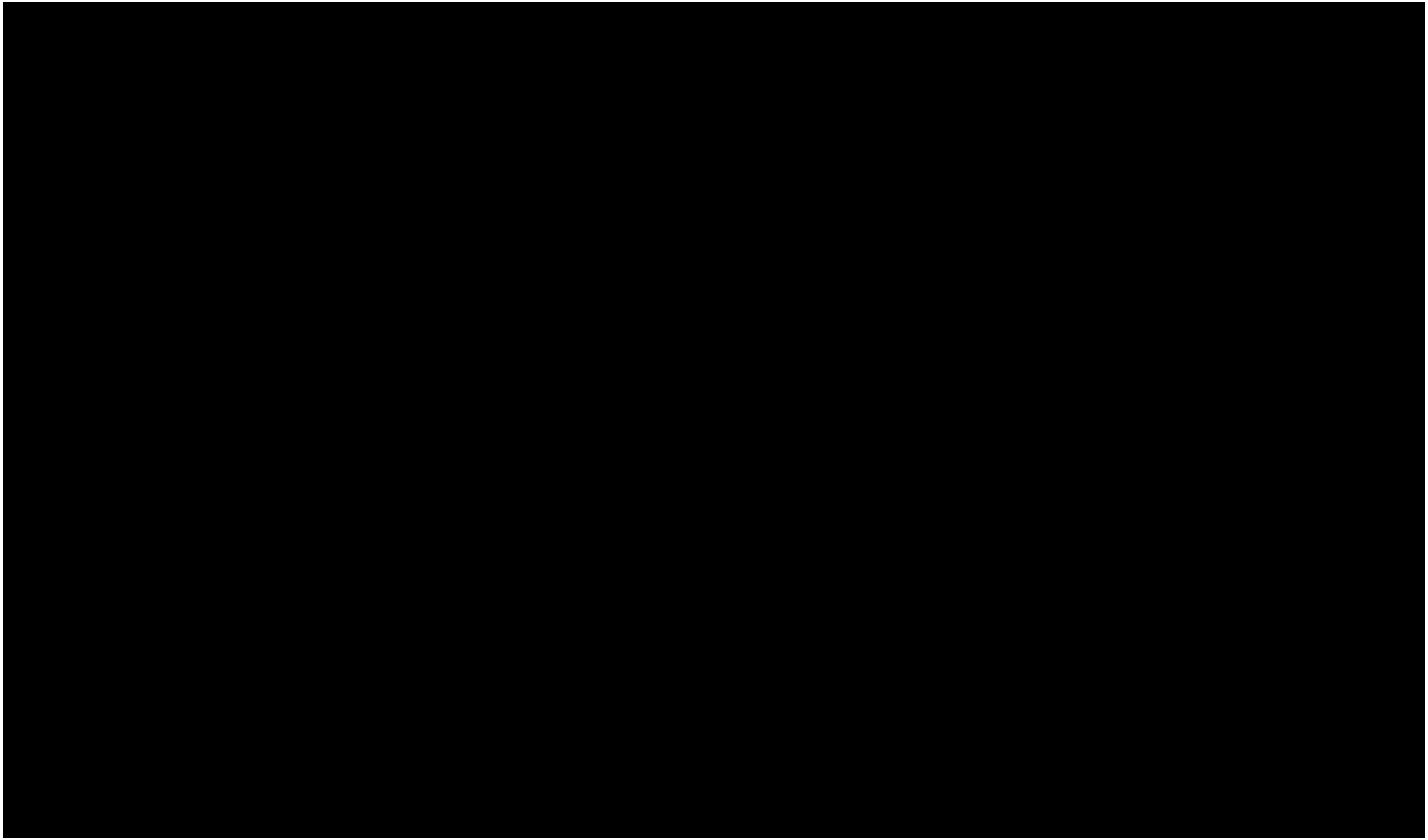
Teamwork



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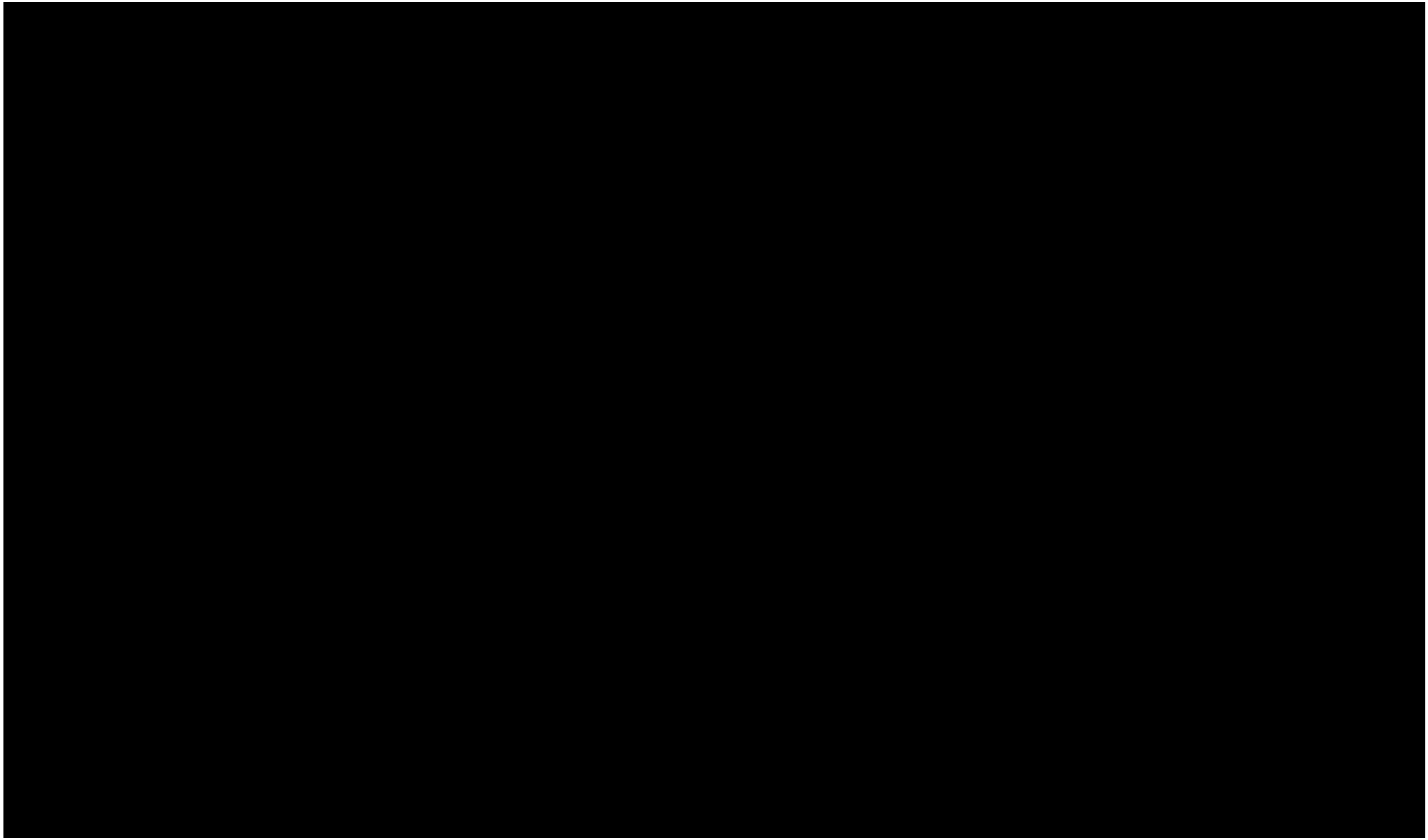
Teamwork



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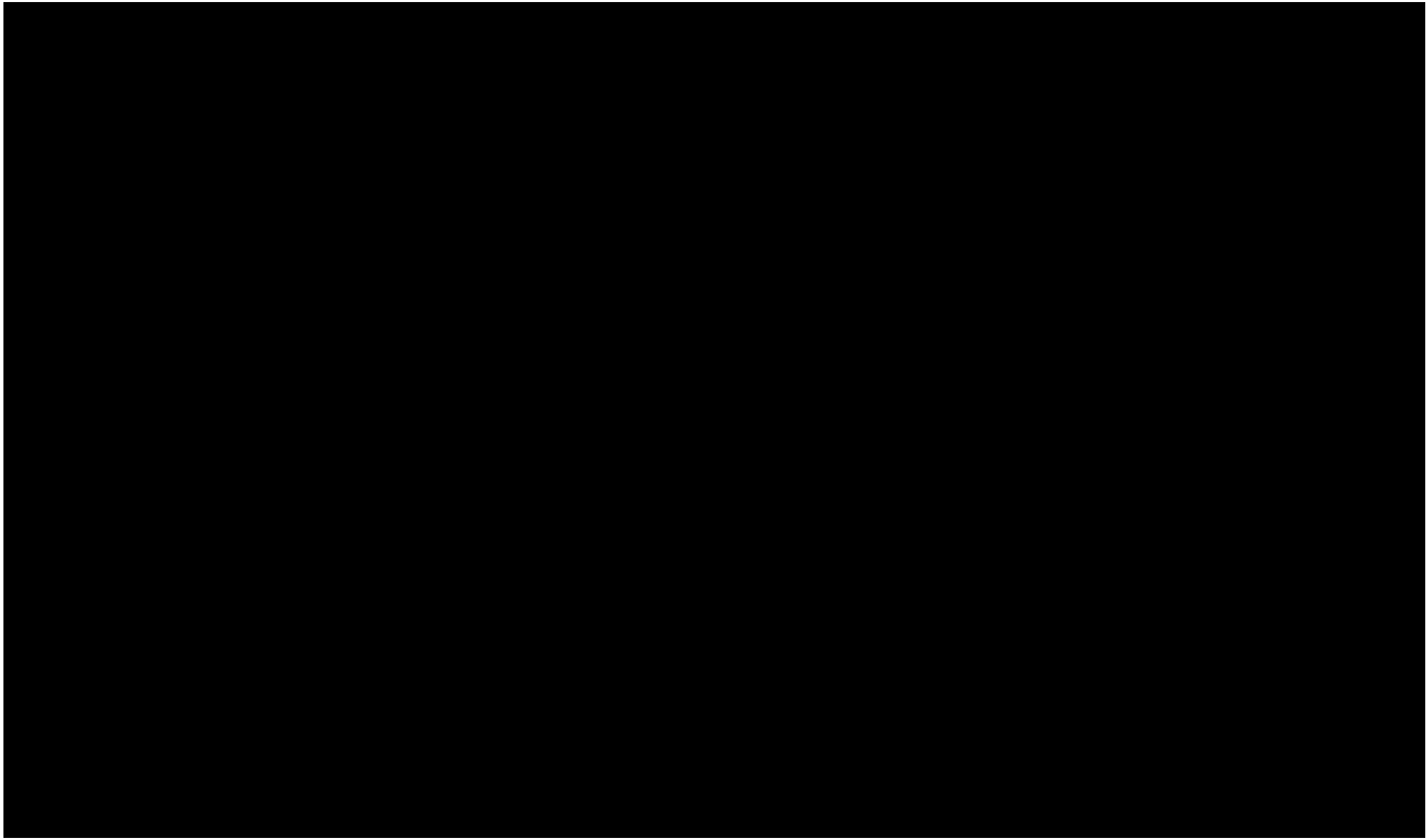
Teamwork



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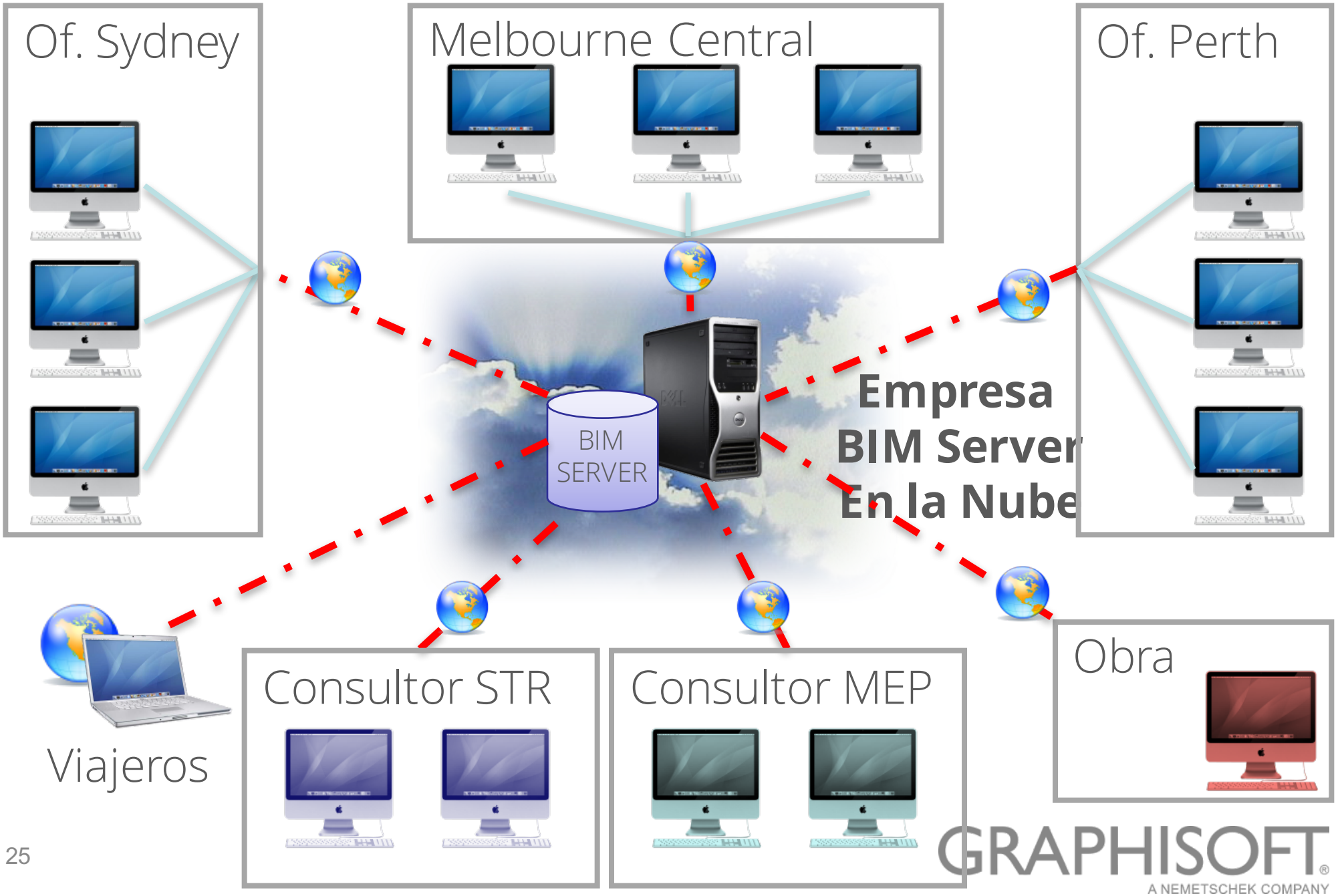
BIM Server



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BIM Cloud

- BIM Server Optimizado
- Escalabilidad
- Gran cantidad de usuarios y proyectos
- Conexión directa con BIMx (Red Lines) como un miembro mas del equipo Teamwork.

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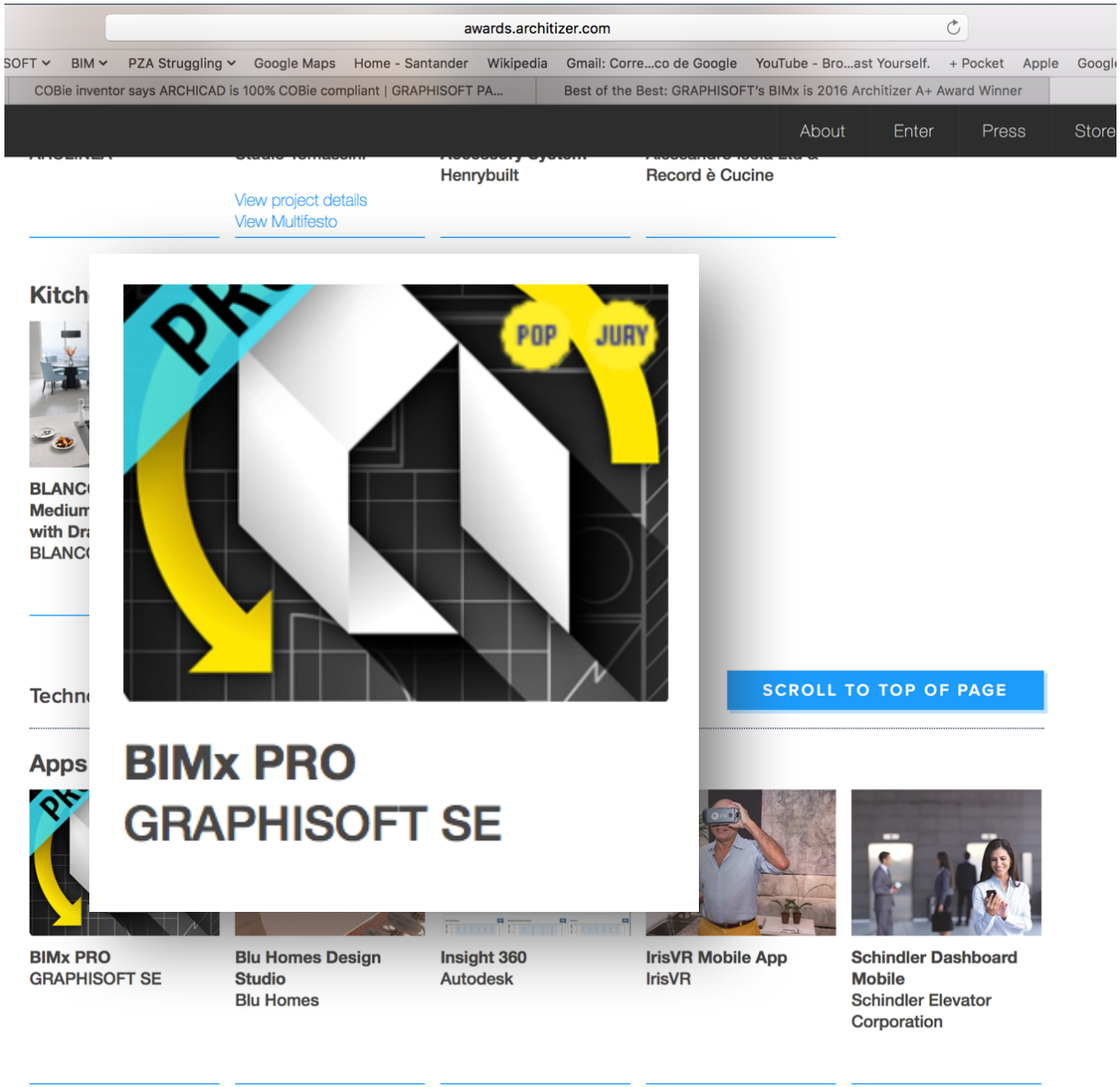
BIMx



ARCHITIZER
A+AWARDS
WINNER
2016

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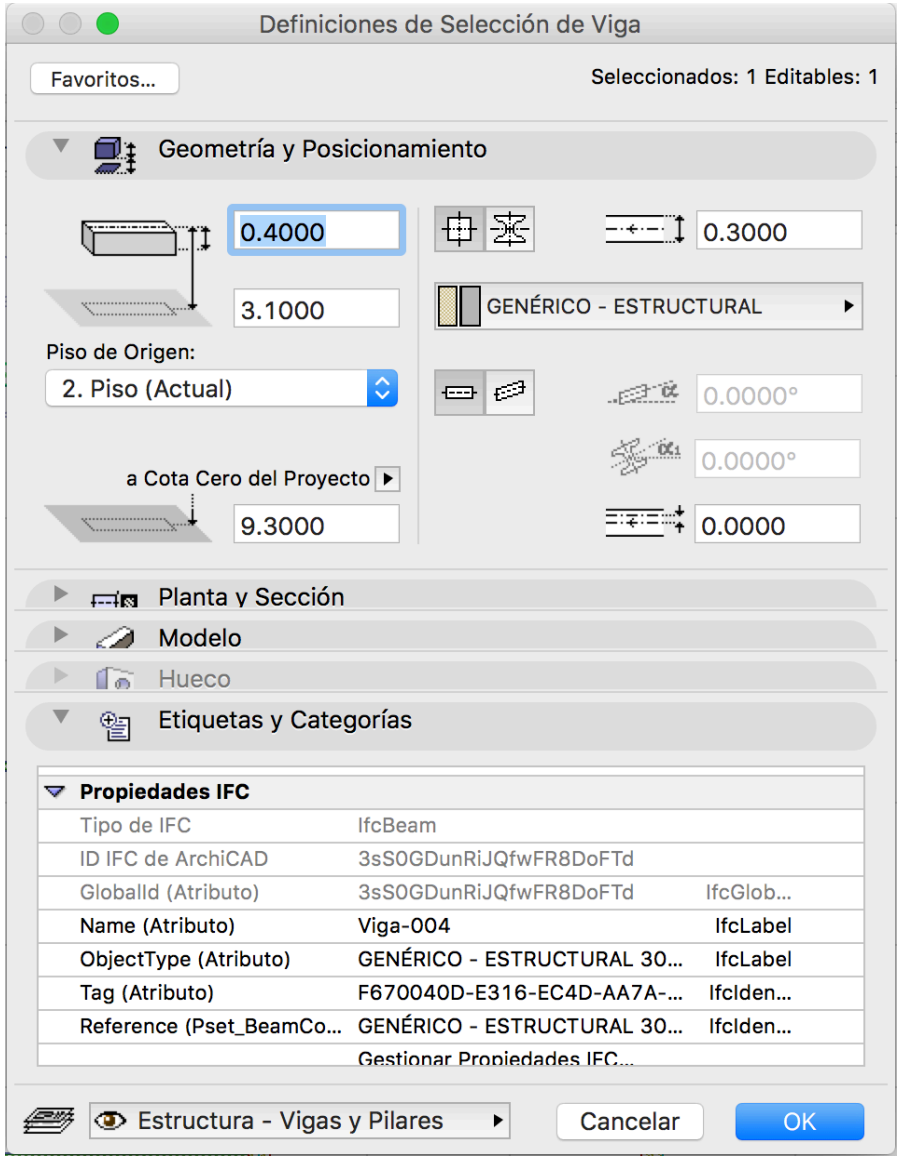
COLABORACIÓN IFC

- IFC Integrado en herramientas



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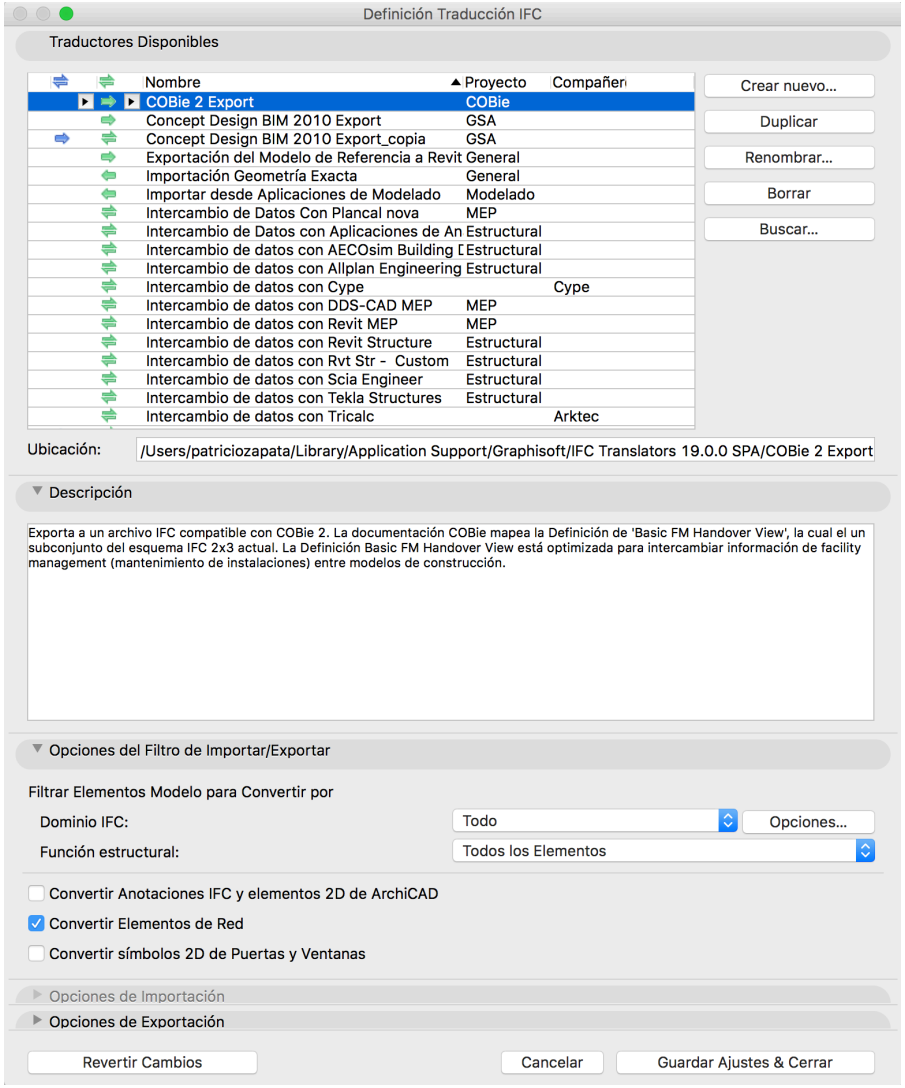
COLABORACIÓN

OPEN BIM™

- Traductores integrados con configuraciones tipo para conexión con otras aplicaciones
- MVD Standard CV1.0, CV2.0, COBie, Concept View GSA 2010, etc



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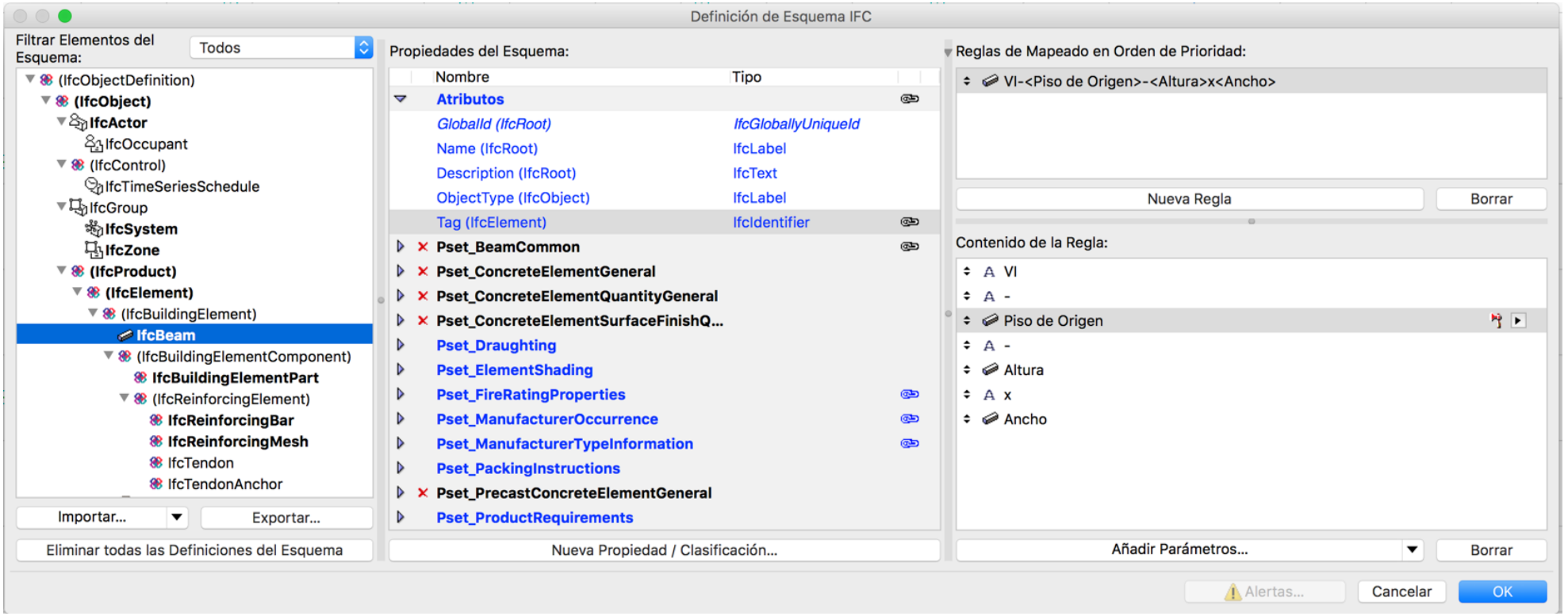
COLABORACIÓN



- Creación de esquemas personalizados

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COLABORACIÓN

COBie & IFC & ARCHICAD

Zone COBie2 worksheet data	ArchiCAD (IFC) data mapped to COBie data	ArchiCAD command
Name	***Name*** Attribute of an IFC Zone	*File > File Special > IFC 2x3 > IFC Manager*
CreatedBy	***Contact E-mail***	*(File > Info > Project Info)*
CreatedOn	the **creation date** of the IFC file	
Category	*Classification Reference* data assigned to an IfcZone	*File > File Special > IFC 2x3 > IFC Manager*
SpaceNames	***No*** data of the ArchiCAD Zones assigned to an IFC Zone	*(Zone > Settings Dialog)*
ExtSystem	text: '***ArchiCAD-64***'	
ExtObject	text: '***IfcZone***'	
ExtIdentifier	***GlobalId*** Attribute of an IFC Zone	*(File > File Special > IFC 2x3 > IFC Manager)*
Description	***Description*** Attribute of an IFC Zone	*File > File Special > IFC 2x3 > IFC Manager*

COBie inventor says ARCHICAD is 100% COBie compliant

According to Bill East, “The results of this experiment demonstrated 100% compliance with ARCHICAD against NBIMS-US V3, Design Stage COBie requirements.”

Space COBie2 worksheet data	ArchiCAD (IFC) data mapped to COBie data	ArchiCAD command
Name	***No*** (Number)	*Zone > Settings Dialog > Name and Positioning*
CreatedBy	***Contact E-mail***	*(File > Info > Project Info)*
CreatedOn	the **creation date** of the IFC file	
Category	*Classification Reference* data assigned to an IfcSpace	*Zone > Settings Dialog > Tags and Categories* , or *File > File Special > IFC 2x3 > IFC Manager*
FloorName	***Name*** of the ArchiCAD Zone's Home Story	*(Design > Story Settings)*
Description	***Name***	*Zone > Settings Dialog > Name and Positioning*
ExtSystem	text: '***ArchiCAD-64***'	
ExtObject	text: '***IfcSpace***'	
ExtIdentifier	***GlobalId*** Attribute of an ArchiCAD Zone	*(File > File Special > IFC 2x3 > IFC Manager)*
RoomTag	*COBie_Space* Property Set: ***RoomTag***	*Zone > Settings Dialog > Tags and Categories* , or *File > File Special > IFC 2x3 > IFC Manager*
UsableHeight	***Zone Height***	*Zone > Settings Dialog > Name and Positioning*
GrossArea	***GrossFloorArea*** IFC base quantity	
NetArea	***NetFloorArea*** IFC base quantity	

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