



## Unifying Data: Sync Bluebeam with Leading Project Management Platforms

Graitec Data Connect – File Sync

Tommy Moussis





## **Tommy Moussis – Senior Solution Architect – Data Connect**

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Tommy Moussis is a technical solutions architect with over 10 years' experience in teaching, consulting, managing and delivering hardware and software solutions for hundreds of engineering companies and manufacturing facilities across North America and the UK.

Today, Tommy is an integral member of the Data Connect business line at Graitec, where he manages both the commercial and technical aspects of File Sync and ERP Sync in North America.

Experience: 10 years+ in the AEC industry

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# Agenda

- 1 WHO'S GRAITEC
- 2 DATA CONNECT DIVISION
- 3 ERP INTEGRATIONS FOR CONSTRUCTION
- 4 PM SOLUTION INTEGRATIONS FOR CONSTRUCTION
- 5 HOW CAN YOU HELP US HELP YOU!
- 6 Q&A SESSION



*“We’re not just a software provider—  
we’re your strategic partner in  
delivering smarter, faster, and more  
cost-effective BIM projects. From initial  
setup to full-scale implementation, our  
suite of services and proprietary tools  
are built to accelerate your digital  
construction journey.”*

**Graitec is a Global Software Provider with  
750 global experts in 13 countries we're  
driving change globally.**

**150**

Graitec champions dedicated to R&D

**270K+**

GRAITEC user base

**\$400M**

In revenue through exponential  
international growth

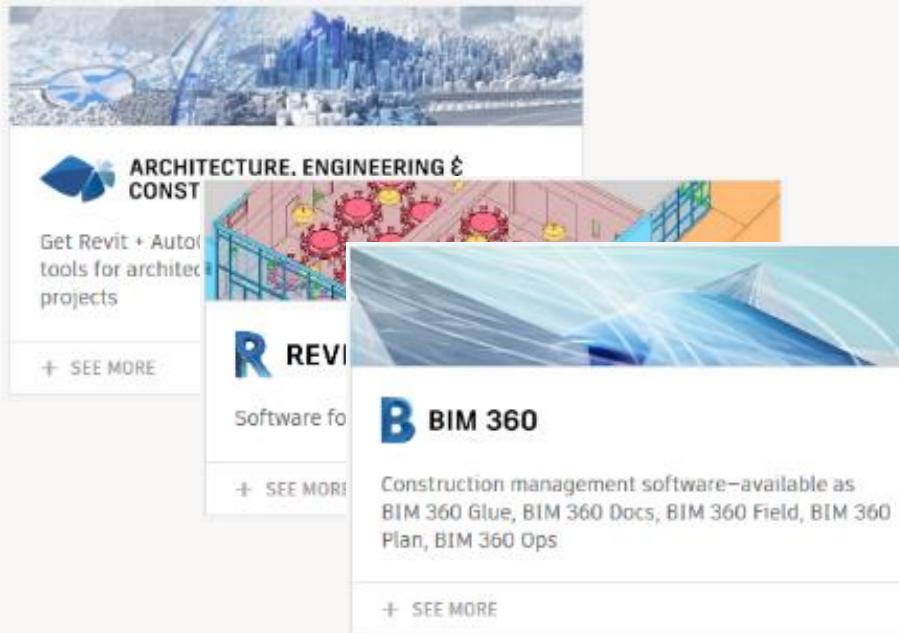


# Graitec by Industry



# Product Portfolio

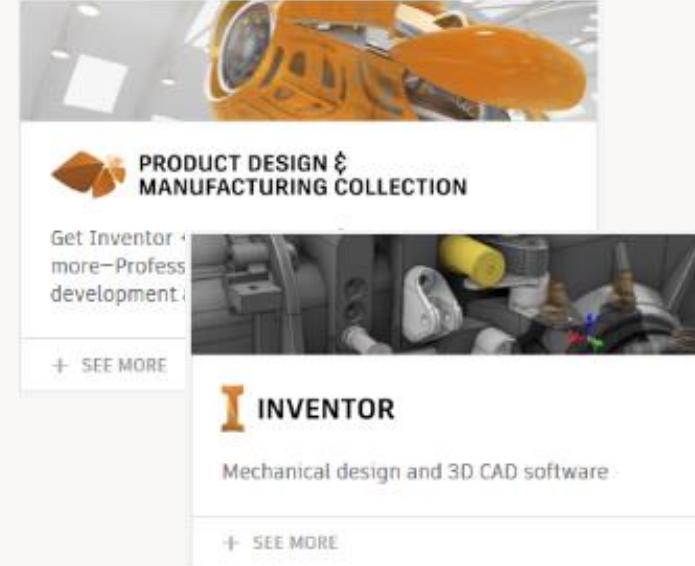
## Autodesk portfolio



ARCHITECTURE, ENGINEERING & CONSTRUCTION  
Get Revit + AutoCAD tools for architecture projects  
+ SEE MORE

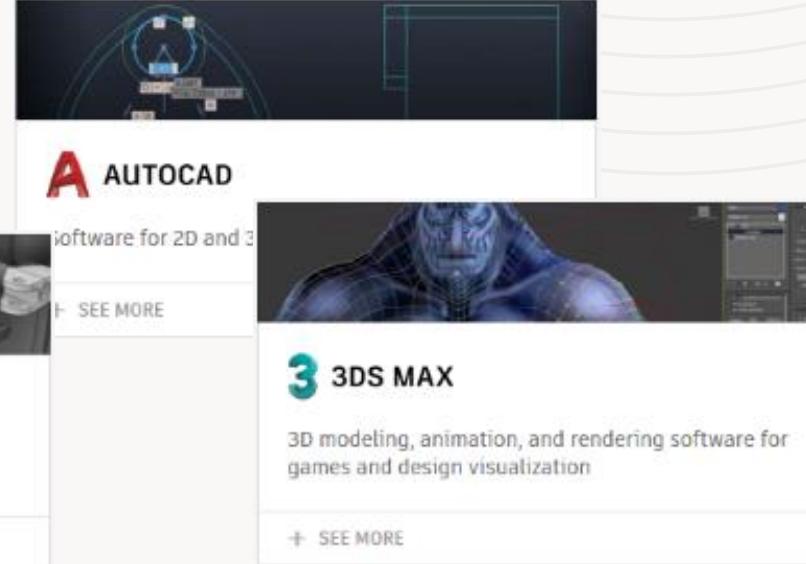
REVIT  
Software for...  
+ SEE MORE

BIM 360  
Construction management software—available as BIM 360 Glue, BIM 360 Docs, BIM 360 Field, BIM 360 Plan, BIM 360 Ops  
+ SEE MORE



PRODUCT DESIGN & MANUFACTURING COLLECTION  
Get Inventor + more—Professional development  
+ SEE MORE

INVENTOR  
Mechanical design and 3D CAD software  
+ SEE MORE



AUTOCAD  
Software for 2D and 3D  
+ SEE MORE

3DS MAX  
3D modeling, animation, and rendering software for games and design visualization  
+ SEE MORE



## Graitec portfolio



# Graitec Turnkey Solution



**MWF by Strucsoft**

GRAITEC | ARCHITECTURE, ENGINEERING, FABRICATOR  
MWF StrucSoft Solutions is the market leader in comprehensive Autodesk Revit - based BIM framing.



**Onyx by Strucsoft**

GRAITEC | CONSTRUCTION, ENGINEERING, FABRICATOR



**Advance Design**

GRAITEC | ARCHITECTURE, ENGINEERING



**Advance Workshop**

GRAITEC | ENGINEERING, FABRICATOR



**Powerpack for Advance Steel**

GRAITEC | ENGINEERING



**Powerpack for Inventor**

GRAITEC | ENGINEERING, MANUFACTURING, PRODUCT DESIGN



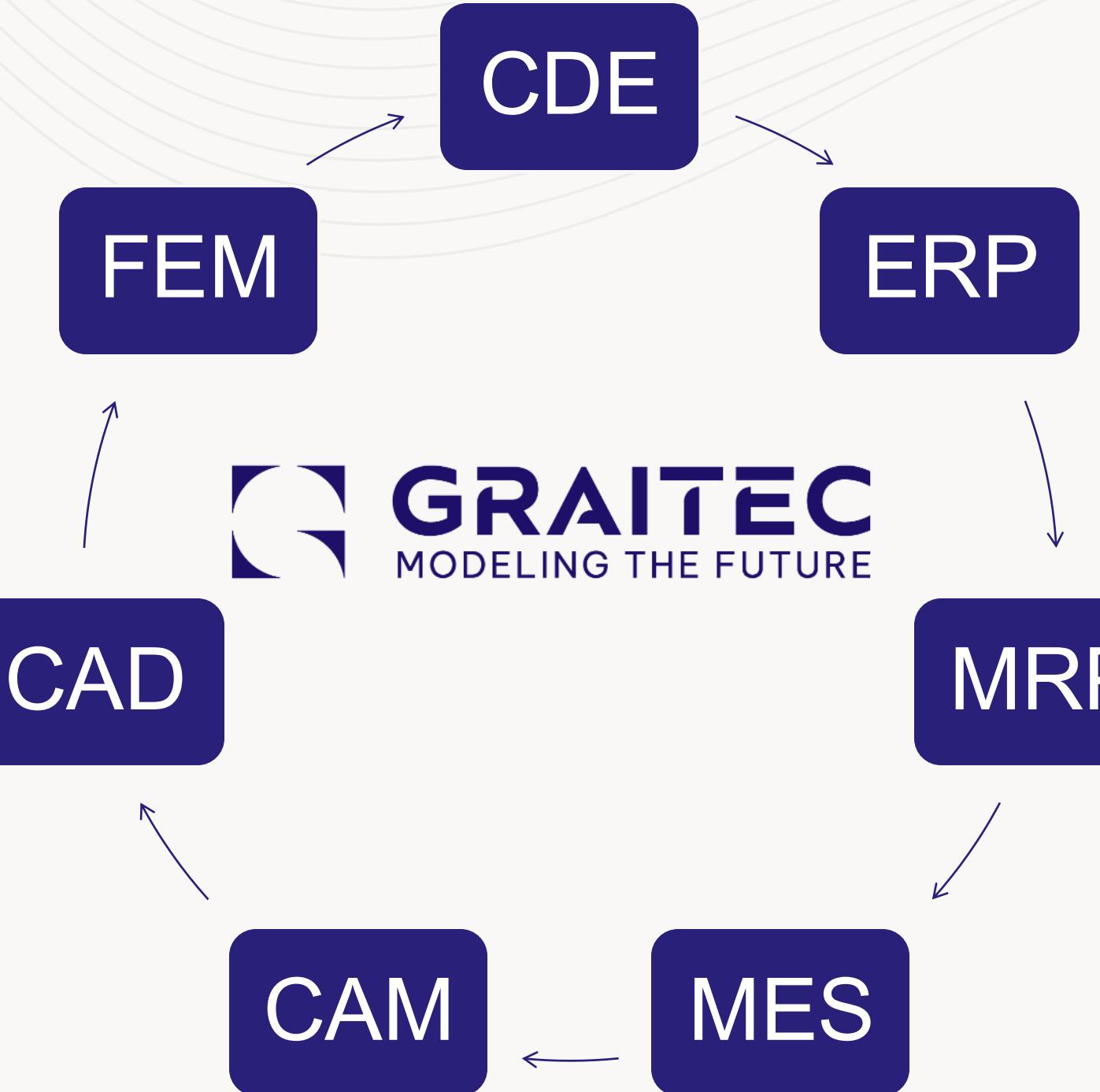
**Powerpack for Revit**

GRAITEC | ARCHITECTURE, CONSTRUCTION, ENGINEERING, MANUFACTURING



**Powerpack for Vault**

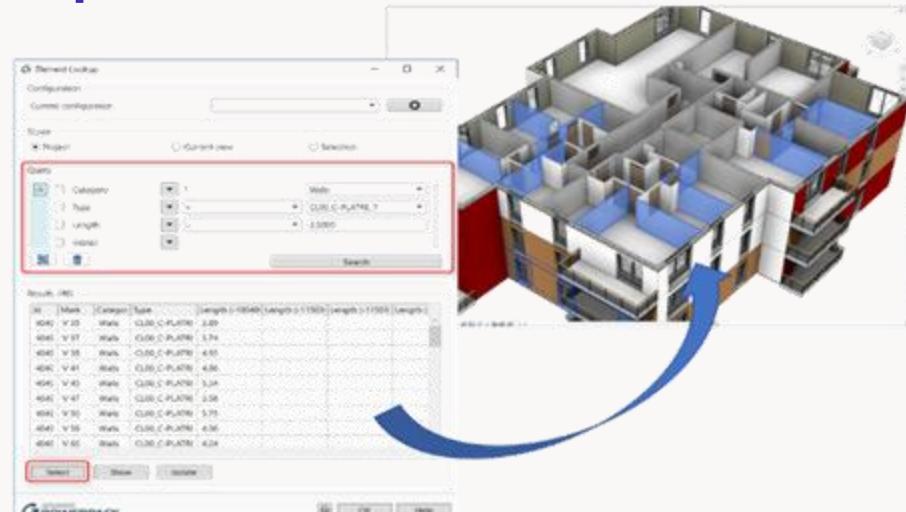
GRAITEC | ENGINEERING, MANUFACTURING, PRODUCT DESIGN



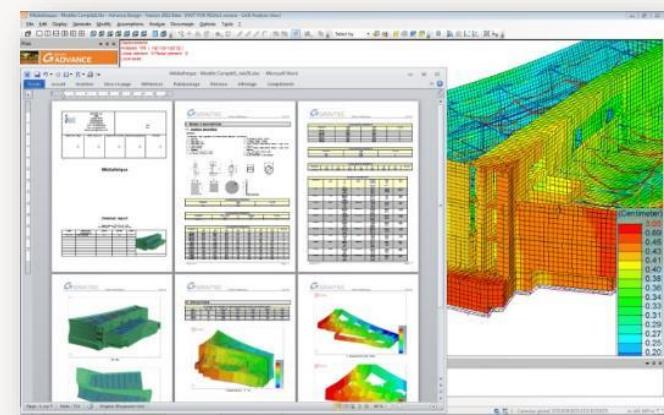
# GRAITEC - MAIN Products for NAMER



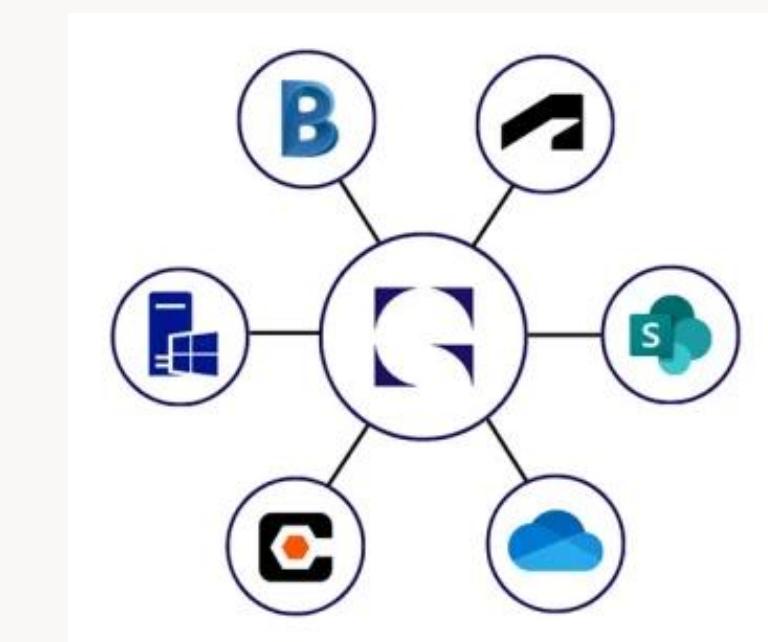
- Add-on for Autodesk Revit®, Autodesk Advance Steel, Autodesk Inventor & Vault
- Productivity tools for more automation and better control
- Improved localization content



- 3D Finite Element Structural Analysis & Design package dedicated to construction.
- Fully BIM (Revit) compliant
- International Design codes



- System integration and automated data synchronization
- ERP SYNC: connect Autodesk Build, Autodesk Cost Management with Accounting / ERP
- FILE SYNC: synchronize files across multiple storage systems such as Autodesk Construction Cloud, Procore, BIM 360, SharePoint, Windows Server, OneDrive and more



# AN AUTOMATED REVIT BASED BIM FRAMING SOLUTION



Automated Revit® wall, floor, ceiling and truss framing software for LGS modeling.



Automated Revit® wall, floor, ceiling and truss framing software for wood modeling.



Automated Revit® wall, floor, ceiling and truss framing software for LGS and wood modeling.



Automated Revit® wall, floor, ceiling and truss framing software for LGS modeling. **Supports floor system engineering and LGS truss design.**



Cloud based production management tool. Create outputs from STRUCSOFT – Revit® models for CNC roll formers and wood panelizing machines.



Recognize Revit® elements and automatically create framed wall, floor, ceiling and truss panels. All data is intelligent and precise. **Clash detection, automated creation of 2D shop drawings, analysis and output to multiple CNC machines are all part of the powerful suite of tools under the Strucsoft umbrella.**





# Integration Solutions for the AEC Industry

**Dedicated division focused on  
integration solutions for AEC  
professionals**

**Mission is to connect Common Data  
Environments (CDEs), project  
management systems and Enterprise  
Resource Planning (ERP) solutions**

**Support customers in enhancing  
collaboration, automation, and data  
continuity**



# Industry challenges

**54%**

of construction projects experience delays due to poor data integration

Dodge Data & Analytics

**52%**

of construction professionals cite a lack of real time data as a major hurdle to effective decision

JB Knowledge

**20%**

The average decrease in productivity resulting from insufficient data and file collaboration

McKinsey



## Our Focus with Data Connect

### **CDE Integration**

Autodesk Construction Cloud, SharePoint, OneDrive, Google Drive and more

### **Project Management Systems**

Autodesk Build, Autodesk Cost, Procore and more

### **ERP Connectivity**

Sage, Viewpoint, Acumatica, CMIC, Quickbooks and more

### Custom Workflows & API Services

Achieve system integration and automated data synchronisation through dedicated apps **FILE SYNC** and **AGAVE SYNC** supported by specialist **INTEGRATION SERVICES** to tailor bespoke data integration requirements





## ACC Partner Integration **Solutions**



Effortless synchronization of your construction financial data between Autodesk Cost Management and your Accounting / Agave Sync software

### Connect to ERP

with  **agave**

#### End to End Delivery

##### AUTODESK

**Autodesk Value:**

- FY23 ACS Partner of the year
- Strategic focus on ACC & Cost Management
- Dedicated sales & services construction team
- Advisory, delivery and support of Autodesk solutions
- Driving Autodesk adoption and expansion

##### Agave SYNC

**Cloud Technology:**

- Compliments Autodesk Cost Management opportunities
- Focused on Construction ERP
- Intuitive interface streamlines deployment

##### CUSTOMER

**Customer Benefits:**

- The complete Autodesk Cost Management and Integration project (from start to finish) supervised by Graitec
- Centralised communication
- Dedicated best practices and processes

#### Customer Success:



*"Agave Sync has enabled us to utilise the Autodesk Cost Management software whilst connecting financial data to our ERP – Viewpoint Vista. This integration allows our PMs to use the most suitable software for their tasks, enhancing decision-making and gaining tighter control over project costs."*

Mark Dinius – VP of Innovation and Technology

Learn More: [asti.com/agave-sync/](http://asti.com/agave-sync/)

#### B INTEGRATES WITH

-  Viewpoint vista
-  Foundation
-  Quickbooks Online
-  Acumatica
-  Viewpoint Spectrum
-  Sage 100 Contractor
-  CMiC
-  Quickbooks Desktop
-  Sage 300 CRE

# Integration between ACC and Sage Intact



Agave Module	Autodesk Build	Agave (Pick One Direction)		Sage Intacct
Core	Companies	»	«	Vendors
	Companies	»	«	Customers
	Projects	»	«	Projects
	Budget Segment Values	»	«	Sub Jobs, Cost Codes, Categories
	Budgets	»	«	Estimates
AP	Contracts (Purchase Orders)	»	«	Purchasing Transactions (Purchase Orders)
	Contracts (Subcontracts)	»	«	Purchasing Transactions (Subcontracts)
	Subcontract Change Orders	»	«	Purchasing Transactions (Subcontract Change Orders)
	Cost Payment Applications	»	«	Purchasing Transactions (Vendor Invoices) or Bills
	Expenses	»	«	Journal Entries
AR	Main Contracts	»	«	Project Contracts
	Owner Change Orders	»	«	Change Requests
	Budget Payment Applications	»	«	AR Invoices
	Budget Transfers	»	«	Change Requests

The background of the advertisement is a nighttime aerial photograph of a complex highway interchange. The image is filled with streaks of light from cars, creating a sense of motion and connectivity. The highway is illuminated by streetlights and the headlights of vehicles, with various lanes and ramps visible against a dark sky.

# FILE SYNC

Migrate, Collaborate & Back-Up  
Your Construction Data

Graitec File SYNC effortlessly synchronizes project-critical files across construction storage systems like Autodesk Construction Cloud, Procore, Bluebeam, and more

Back up files from cloud storage to local, ensuring project continuity and mitigating risks





## Why Graitec File SYNC?

### File SYNC is ideal for:

Migrating large volumes of Revit and BIM project data

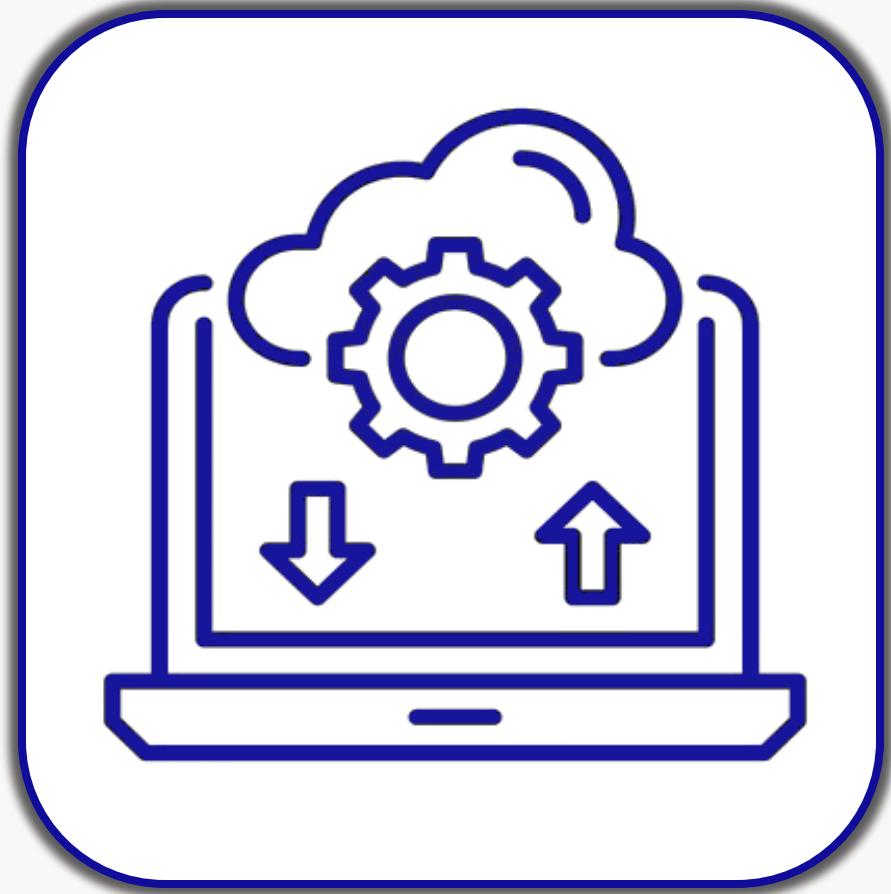
Collaborating across cloud-based systems

Backing up mission-critical project files

No cloud storage fees, no data sync limits



# WHY GRAITEC FILE SYNC?



**MIGRATE**



**COLLABORATE**



**BACK-UP**

# MIGRATE

## SMARTER CONSTRUCTION: SIMPLIFIED DATA MIGRATION

**You may have requirements for:**

- Efficient and accurate data transfer
- Preservation of critical Metadata
- Seamless transition with minimal downtime



- Connections
- Workspaces
- Activity
- Logs
- Batch Tools

## Batch Tools

### Connection

Autodesk Build - Graitec File Sync Product Testing

▼

Create ACC Projects

Create Win-to-ACC Syncs

Start batch job!

# COLLABORATE

UNITE TEAMS, STREAMLINE CONSTRUCTION COLLABORATION

**You may have requirements for:**

- Cross platform connectivity
- Improved team efficiency
- Real time data synchronisation



## Workspaces

Name	Company	Description	Date Created	Schedule	Logs	Disabled	Syncs	Show Archived
ACC to Sharepoint	Graitec	Archiving Syncs	2025-04-08	None	⌚	<input type="checkbox"/>	5 syncs	
Bluebeam to ACC	Graitec	Bluebeam to ACC	2025-04-21	None	⌚	<input type="checkbox"/>	7 syncs	
ACC to Egnyte	Graitec	Archive	2025-05-09	None	⌚	<input type="checkbox"/>	2 syncs	
Local to ACC	Graitec	Demo FR	2025-05-14	None	⌚	<input type="checkbox"/>	2 syncs	
Local to ACC to GD	Graitec	GR Demo USA	2025-06-04	None	⌚	<input type="checkbox"/>	3 syncs	
ACC to BlueBeam	Graitec	Gr DEmo USA	2025-06-09	None	⌚	<input type="checkbox"/>	10 syncs	
ACC to SharePoint	Graitec	File Sync presentation	2025-06-13	None	⌚	<input type="checkbox"/>	4 syncs	
ACC vers ShrePoint	Graitec	GR FR DEMO	2025-06-16	None	⌚	<input type="checkbox"/>	4 syncs	
Gabe demo 1234	Graitec	ACC to Sharepoint - BB	2025-06-25	None	⌚	<input type="checkbox"/>	3 syncs	
Acc to Sharepoint (Procore)	Graitec	Procore example using ACC	2025-07-07	None	⌚	<input type="checkbox"/>	1 syncs	
Bluebeam sessions	Graitec	ACC to Bluebeam	2025-07-08	None	⌚	<input type="checkbox"/>	3 syncs	

## Syncs

Order	Name	Source > Destination	Date Created	Schedule	Last Sync	Disabled	Show Archived

# BACK-UP

SECURE DATA, SAFEGUARD YOUR PROJECTS

**You may have requirements for..**

- Protecting critical project data in case of accidental deletion, corruption, or system failures.
- Reducing downtime, risk and maintain business continuity
- Peace of mind



## Connections

## Workspaces

## Activity

## Logs

## Batch Tools

## Connections

Create Connection

Stat...	Name	Description	Storage Solution	Company	Date Created	Username	Show Archived
	Autodesk Build - Graitec File Sync Product Testir		 AUTODESK CONSTRUCTION CLOUD	Graitec File Sync Product Testing	04/08/2025	Stuart Smith	 
	Autodesk Build - Graitec ACC		 AUTODESK CONSTRUCTION CLOUD	Graitec ACC	04/08/2025	Stuart Smith	 
	Bluebeam		 BLUEBEAM	GRAITEC	04/08/2025	STUART.SMITH	 
	SharePoint		 SharePoint	GRAITEC	04/08/2025	Stuart Smith	 
	Autodesk Build - Graitec File Sync Product Testir		 AUTODESK CONSTRUCTION CLOUD	Graitec File Sync Product Testing	04/08/2025	Stuart Smith	 
	Dalux		 DALUX	Atlas	12/08/2025		 
	Dalux Demo		 DALUX	Atlas Ward Demo	20/08/2025		 
	Egnyte		 EGNYTE	App4graitec	27/08/2025	Stuart Smith	 

# SYSTEMS WE SUPPORT

**CONNECT**

Secure, stable connections

**CONFIGURE**

Granularity at your fingertips

**SYNC**

Let File SYNC do the hard work



“We're delighted to share several powerful new features now available in Graitec File Sync for Bluebeam, designed to streamline review workflows and improve collaboration across your construction technology stack.”



+





# The Problems With Bluebeam Session Workflows

## Workflows Today

- Need to manually create a Bluebeam Session
- Need to download documents from a local machine with no direct access to the cloud
- Participants need to be added manually
- Annotations need to be saved locally

## Challenges

- Time-consuming and repetitive
- Files stored in the cloud in locations like Autodesk Doc must be downloaded prior to working on them
- Risk of version conflicts or forgotten tag history



## What File SYNC does

Automates Bluebeam session creation and file management

Works with ACC, BIM360, Procore, SharePoint, OneDrive, Windows

Automatically loads files into Bluebeam sessions

Enables bidirectional synchronization

Markup files can be returned to the source system

Copies of session folders can be made  
Versioning can be enabled to track changes



## Why This Is Important

- Saves time configuring each session
- Avoids download/upload steps for cloud files
- Maintains a consistent version history
- Allows stakeholders to access, collaborate and track changes to tags, regardless of platform

Bluebeam Cloud x +

<https://app.bluebeam.com/sessions>

A ? ... ...

## Studio Sessions

**Create**

Name	ID	Recently Accessed
STRUC	706-150-058	2 Sept 2025
ENG	599-891-403	2 Sept 2025
MEP	171-822-432	2 Sept 2025
Bluebeam Demo 2	471-428-265	24 Jul 2025
Bluebeam Demo 3	910-866-943	24 Jul 2025

Files - Autodesk Docs x Graitec Connect x +

<https://acc.autodesk.eu/docs/files/projects/27e5d2d7-b7ad-4f85-8fe7-5e9d3ab92100?fold...>

AUTODESK Construction Cloud

Bluebeam Demo ...

## Files

**Folders** **Packages**

**Deleted items** **Settings**

**Project Files**

- 01-SD
- 02-DD
- 03-CD
- 04-PERMIT
- 05-MS OFF...
- 06-SITE P...
- \_Studio Pe...
- Multi Disc
- ARCH
- ENG
- MEP
- STRUC

Name	Description	Version	Indicators
ARCH		--	...
ENG		--	...
MEP		--	...
STRUC		--	...

Showing 4 items

# DATA CONNECT

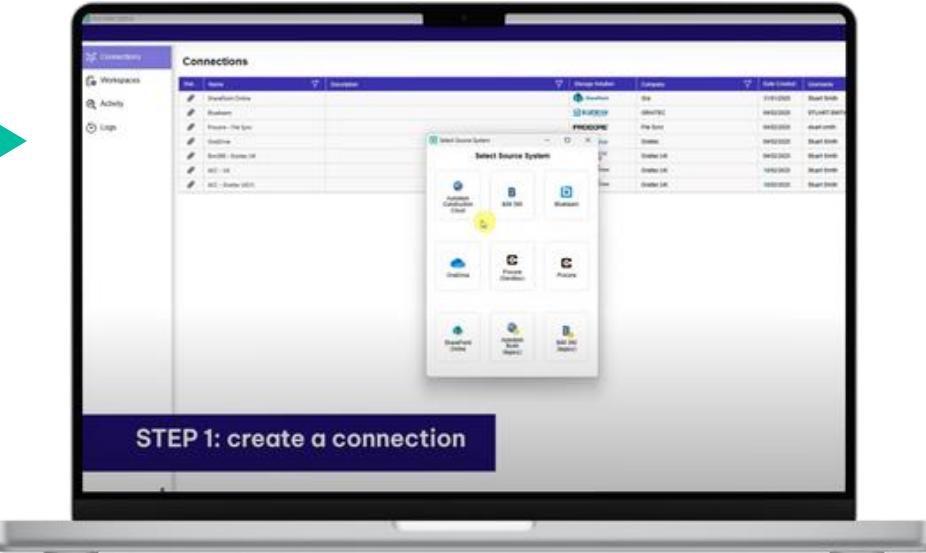
FILE SYNC

## 15 Minute Set Up Time

Backup your construction data in less than 15 minutes and 3 simple steps

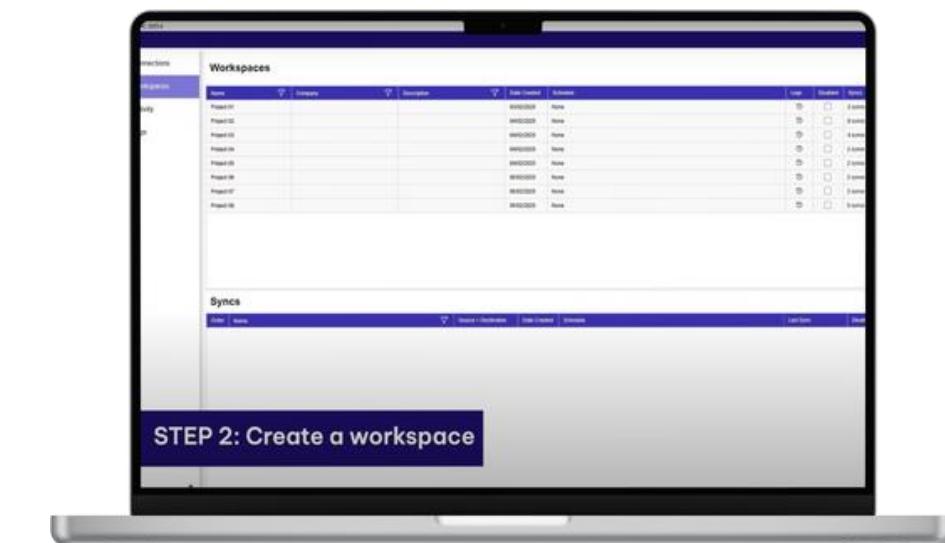
01 ➤

Connect easily to your data sources and destinations with just a few clicks-no complex setup.



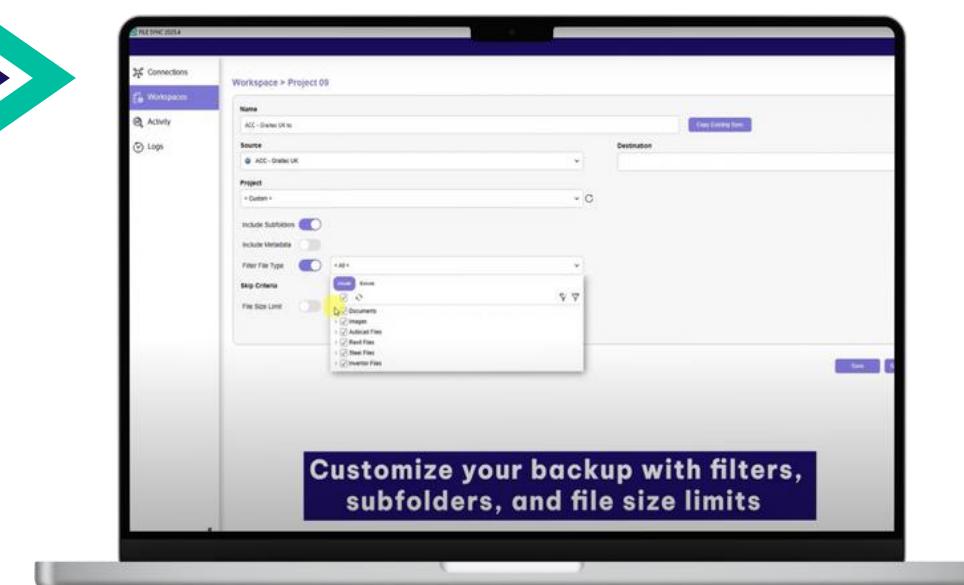
02 ➤

Create Custom Workspaces to define what to sync, set flexible schedules, and receive sync status notifications.



03 ➤

Track and review backup progress in real-time, with detailed logs on completed backups and any issues.





## Key Features & Benefits

Bi-directional sync

Real-time file updates

Easy deployment per server

Secure and scalable

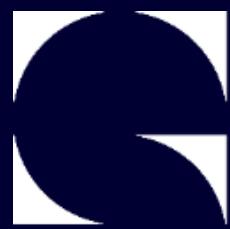
Streamlines workflows between CDEs and PM systems

Secure, server/VM-based architecture

Unlimited data volume and syncs

Supports platforms like Autodesk Docs, Procore, Bluebeam, and more

Graitec provides tailored integration services and comprehensive audits to identify specific pain points and eliminate data silos. This strategic approach enables larger organizations to gain clear visibility into their existing processes across various departments and market segments. It also allows Graitec to clearly demonstrate where our solutions can deliver the most value.



## **INTEGRATION SERVICES**

# Summary of information – Company “X”

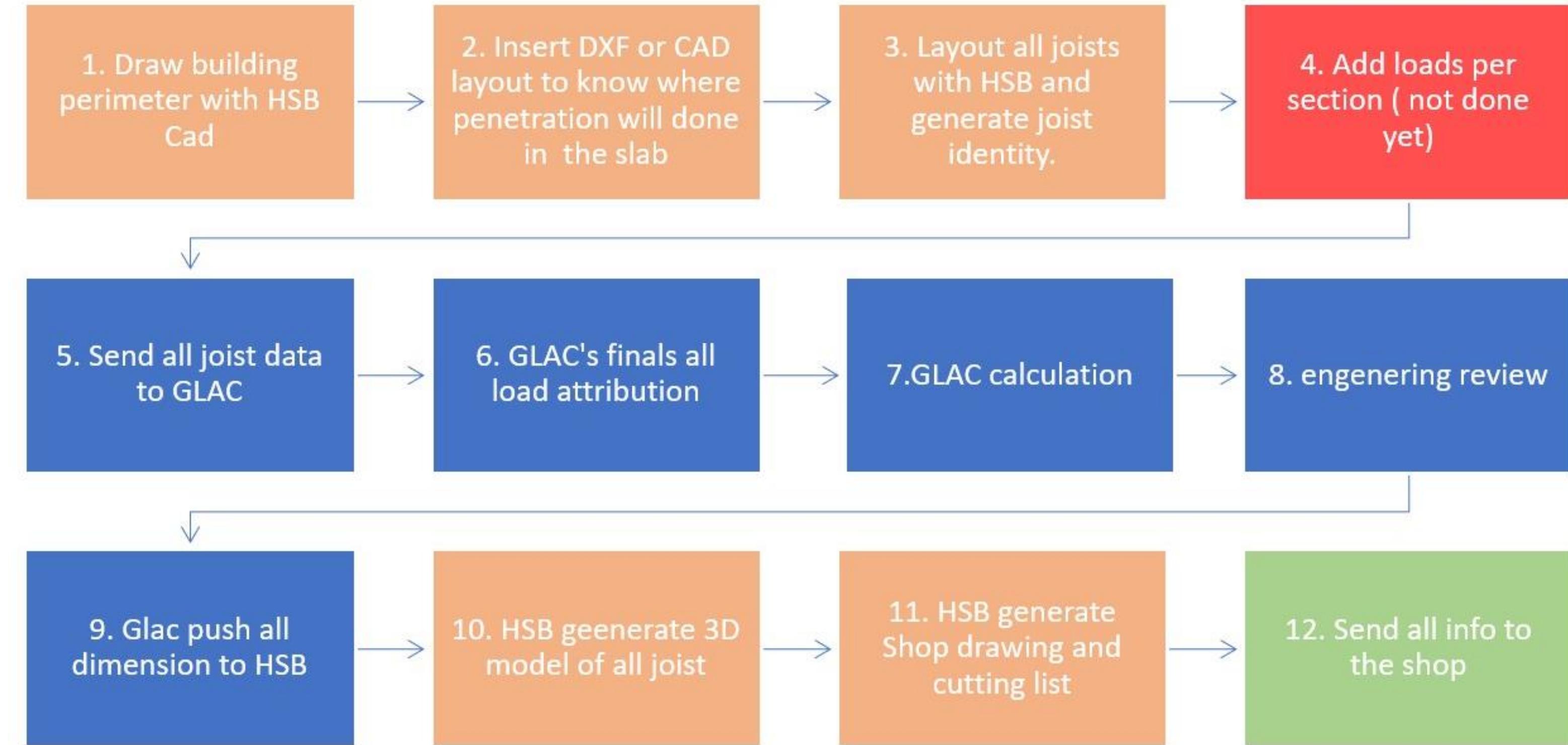
## SPECIALISTS IN PREFABRICATED BUILDING STRUCTURES

- Engineering plans are received pre-designed.
- No software is used for digital engineering.
- Tekla, AutoCAD Architecture, and hsbcad (custom application) are used several times in a bidirectional manner during the project lifecycle at Company “X”.
- Old Advance Design license not used.
- Rarely receive models in Autodesk Revit.
- The SHARED folder link includes Company “X” DWG files, PDF plans, PDF workshop drawings, workflow information, and much more.

# Example with Company “x”

## Current software

- ADA – AutoCAD Architecture – Tekla structure d'acier –
- hsbcad + hsbSTEEL (custom application)
- Engineering in-house
- Precast Balcony systems with fork style entry
- Balconies and Beams within hsbcad
- Rarely get models in Revit
- Stair systems
- Panel stacking within AutoCAD/hsbcad but incomplete solution
- Windows installed in factory
- Regular 20 or so customers – minimal bidding on projects
- AMS Controller for CNC
- Trusses manufactured in house
- NDA 2024 in place



# Innovative products from Company “X”

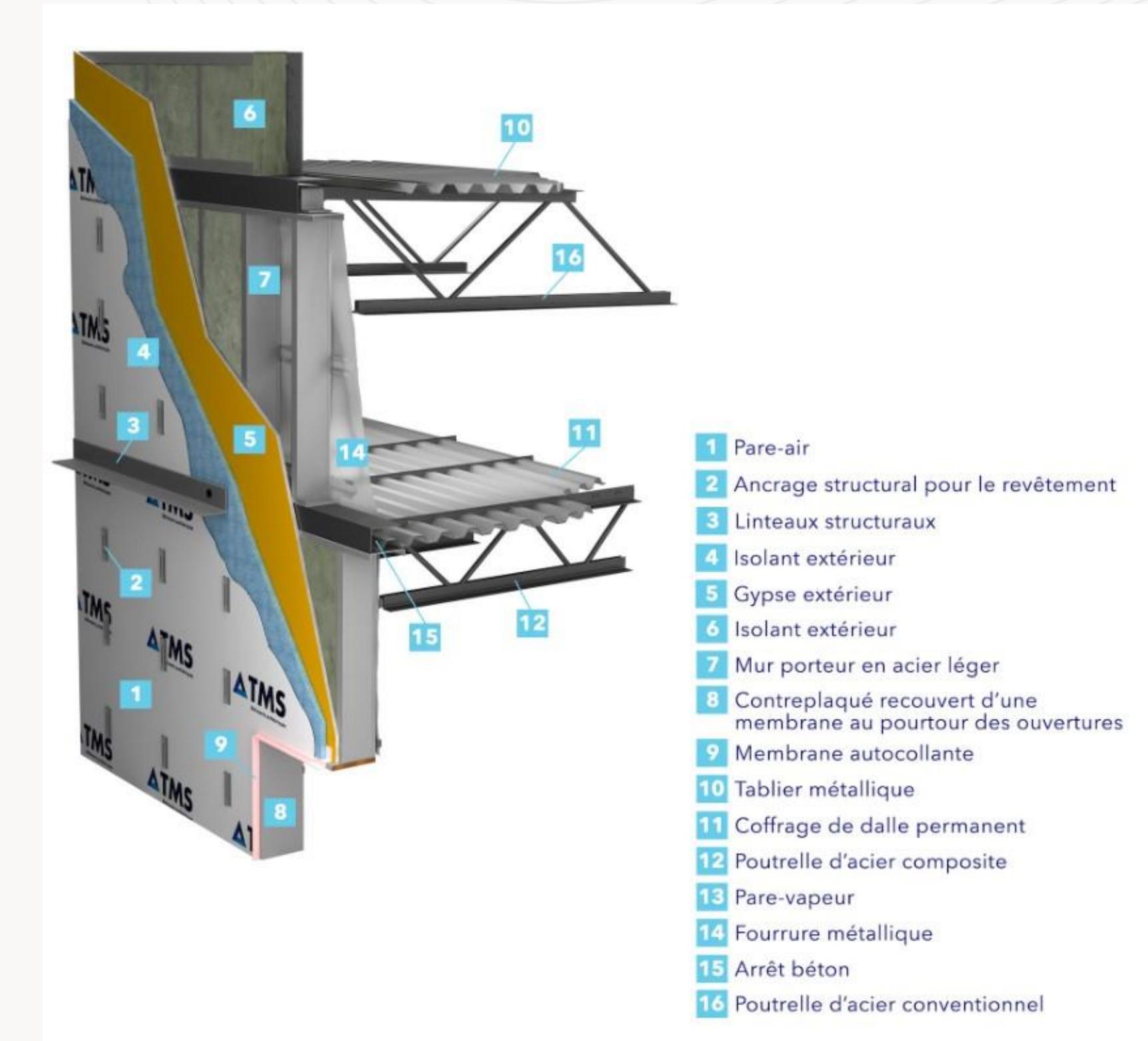
Current digital solutions followed by our Graitec solutions



# Company “X” - Wall panel

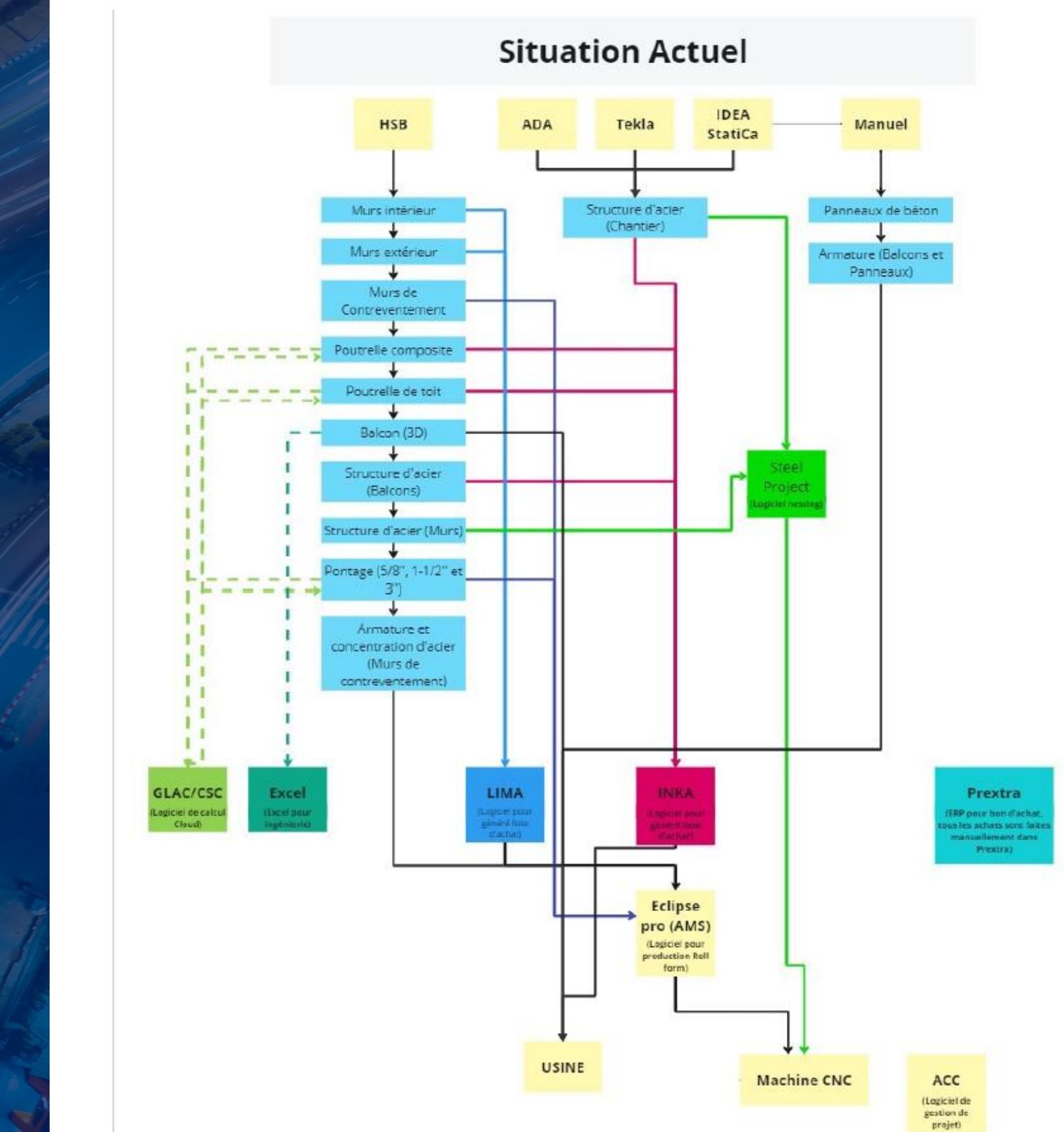
## Current solution

A combination of AutoCAD Architecture – hsbcad (+ custom application) and Tekla for structural steel - Interoperability with Tekla and AutoCAD Architecture





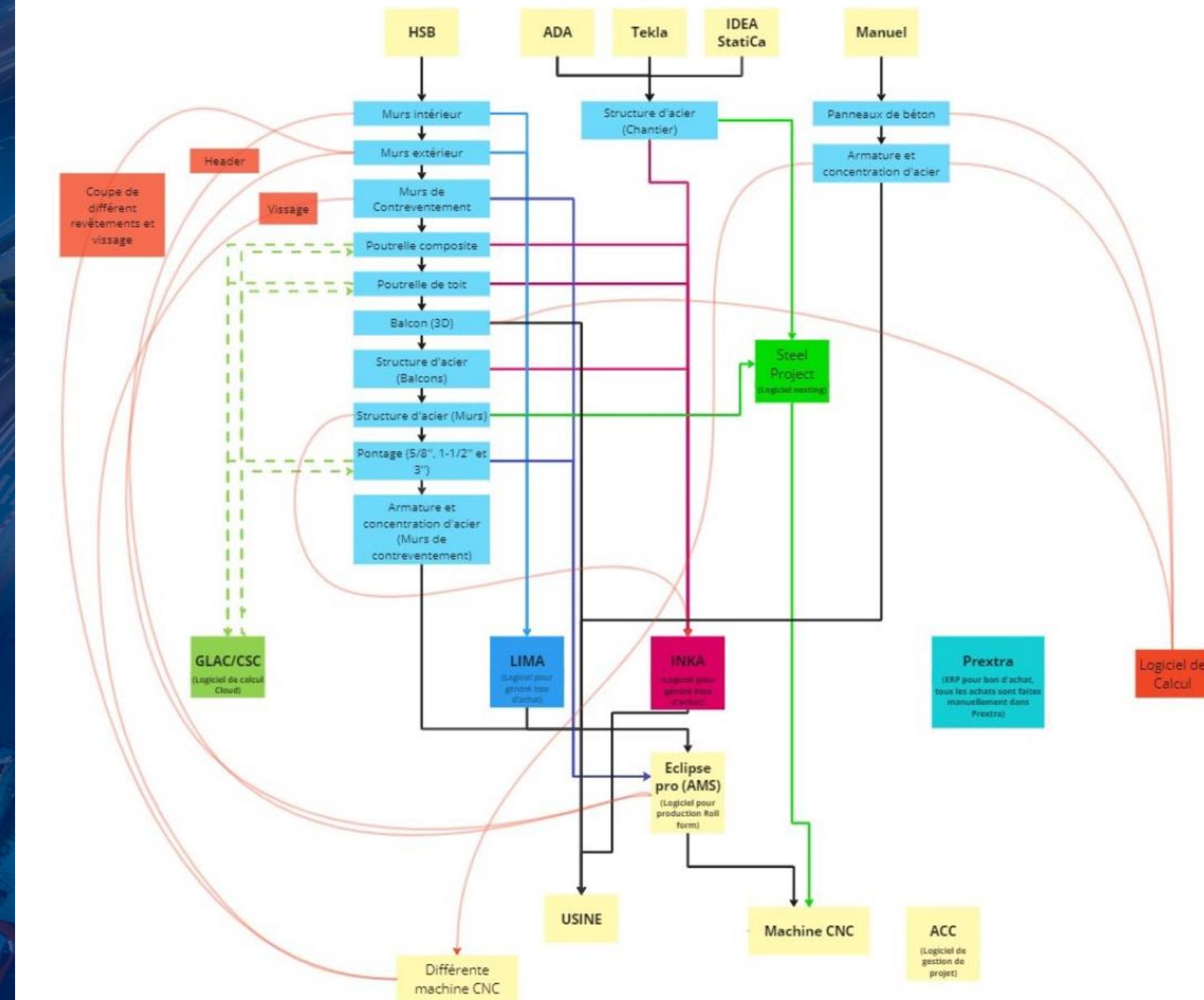
# Current Workflow by Product Type





# Desired Workflow by Product Type

## Situation Souhaité



# Core Value Proposition

We help AEC firms, construction companies, and design consultancies **maximize their return on BIM investments** through:

## 1. End-to-End Implementation Services

We assess your workflows, configure systems, and integrate best practices to ensure your BIM platform is optimized from day one

## 2. Proprietary IP for BIM Success

Our internally developed IP includes plugins, simulation tools, automation modules, and configuration kits that drastically reduce time to value for design, simulation, fabrication, and asset management.

## 3. Targeted Technical Training

Whether you're onboarding a new team or advancing expertise, our certified instructors deliver training tailored to your tech stack and project requirements.

## 4. Custom Development Services

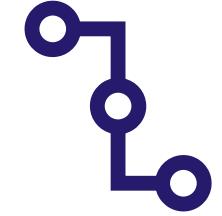
Need a unique workflow or automation? Our expert developers build custom tools, scripts, and APIs that solve your business-specific challenges—seamlessly integrated into your environment.

## 5. Full BIM Lifecycle Coverage

From concept design and simulation through to fabrication and facilities management—we help you standardize, streamline, and scale BIM across every stage of the project.



# THE BENEFITS



**Connected  
Systems**



**Process  
Automation**



**Enhanced  
Collaboration**



**Business  
Continuity**



we are...

# Thank you!

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