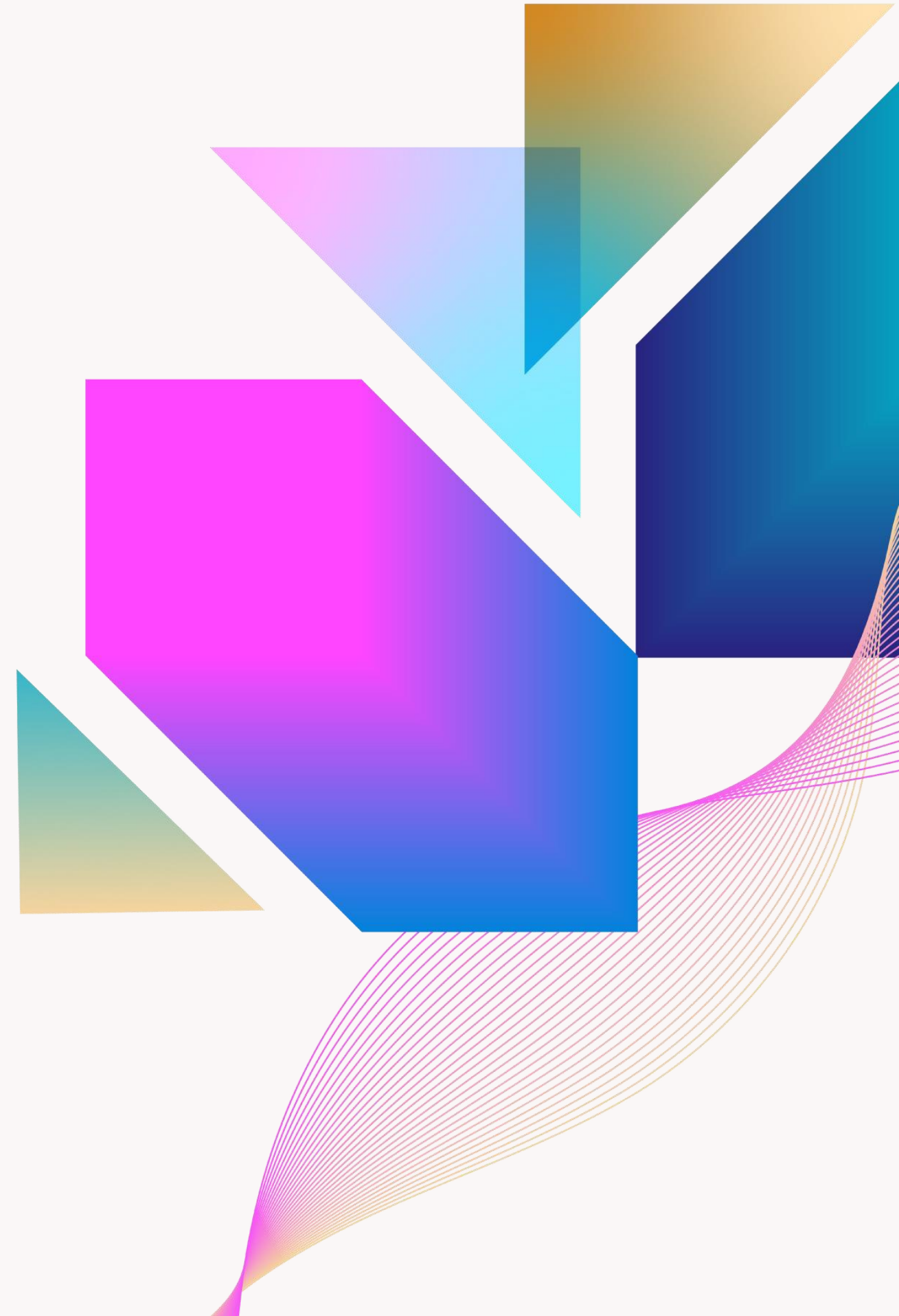




Unifying Data: Sync Bluebeam with Leading Project Management Platforms

Graitec Data Connect – File Sync

Tommy Moussis



Tommy Moussis – Senior Solution Architect – Data Connect

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

tommy.moussis@gratec.com




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+

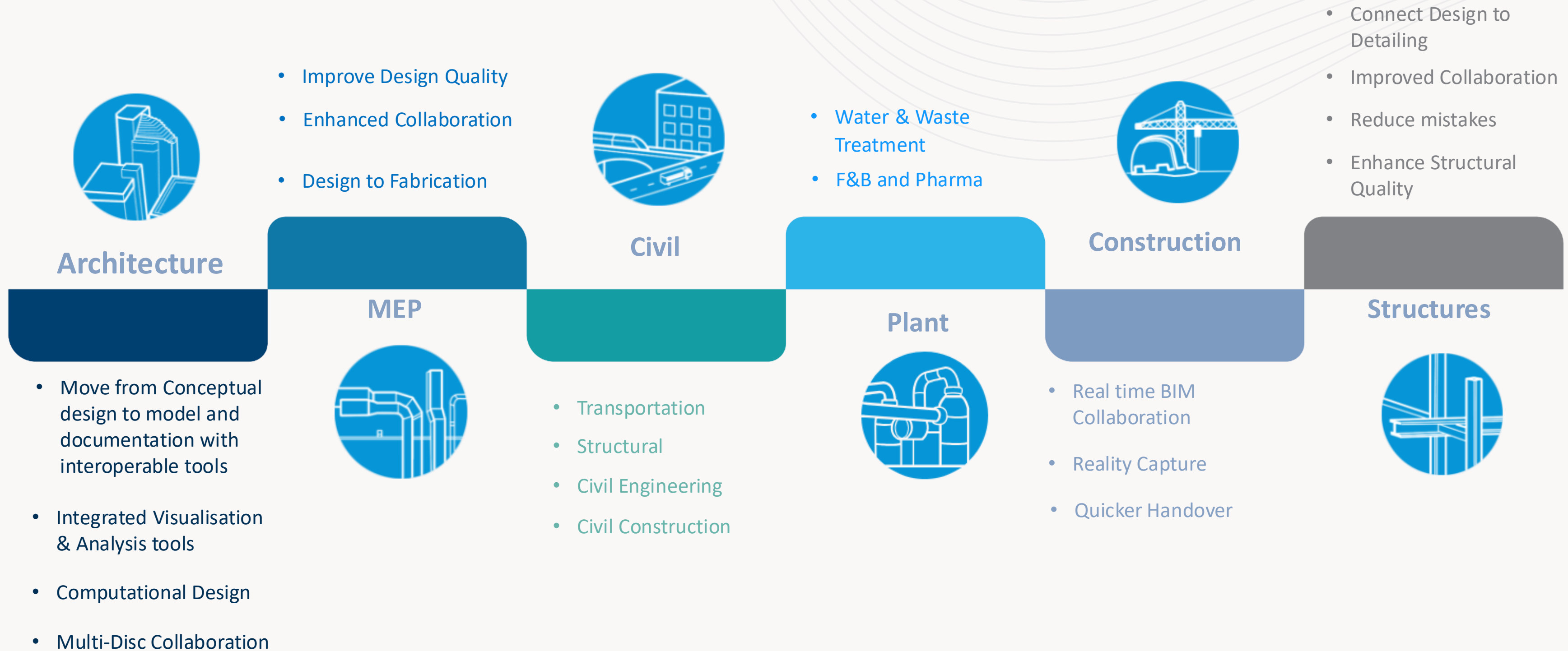
GRAITEC user base

\$400M

In revenue through exponential
international growth

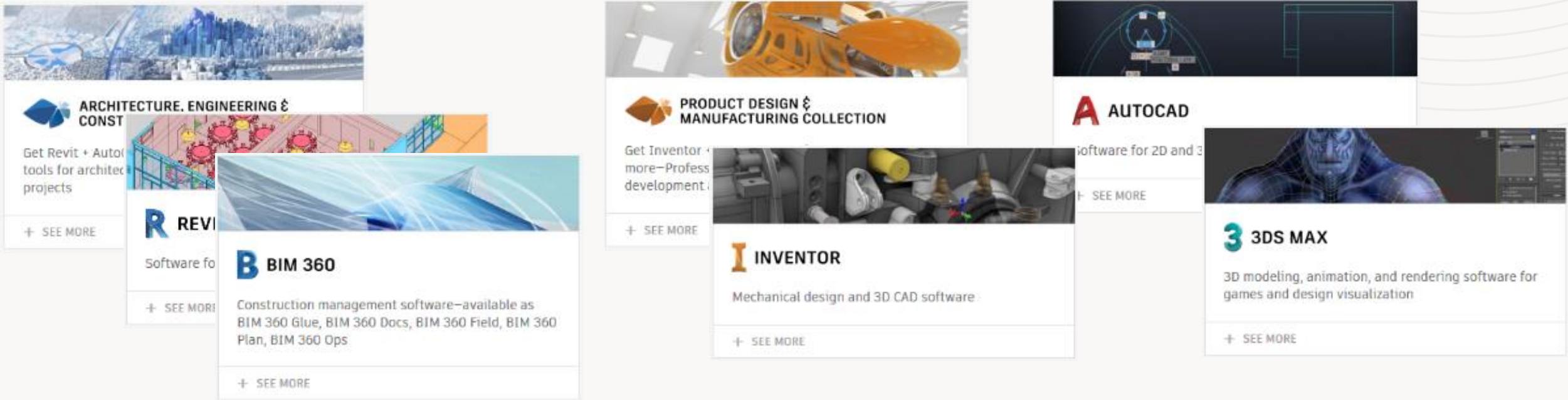


Graitec by Industry



Product Portfolio


Autodesk portfolio




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



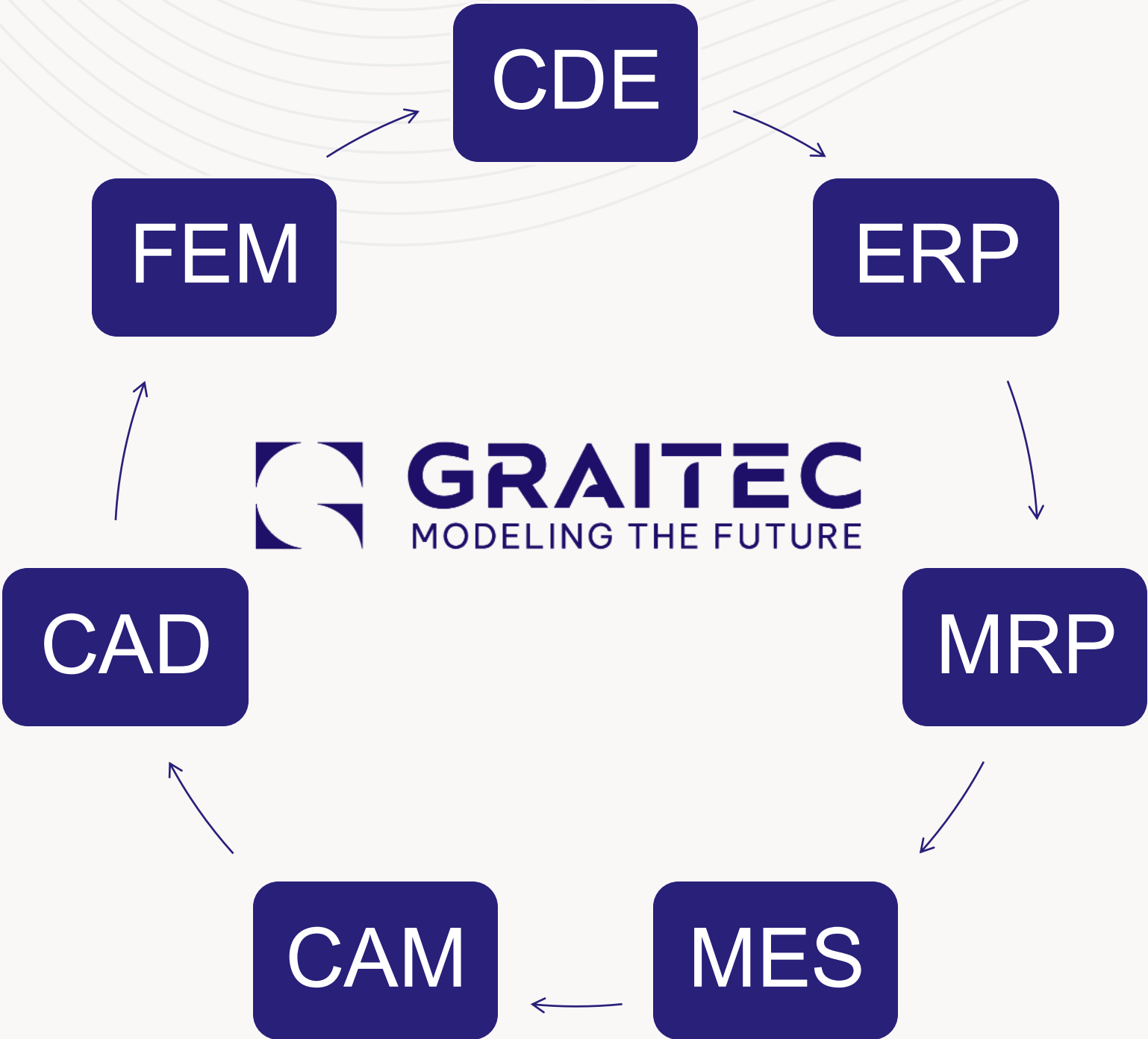
Powerpack for Inventor
GRAITEC | ENGINEERING,
MANUFACTURING, PRODUCT DESIGN



Powerpack for Revit
GRAITEC | ARCHITECTURE,
CONSTRUCTION, ENGINEERING,
MANUFACTURING



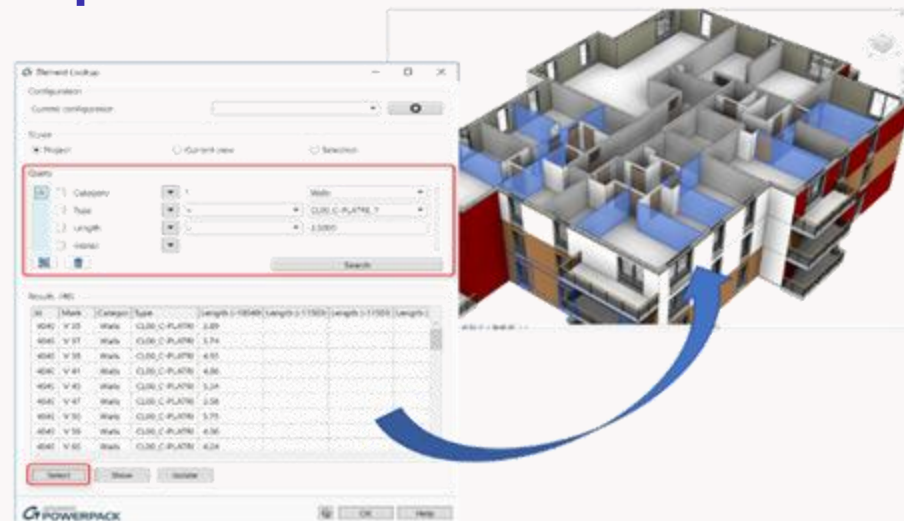
Powerpack for Vault
GRAITEC | ENGINEERING,
MANUFACTURING, PRODUCT DESIGN



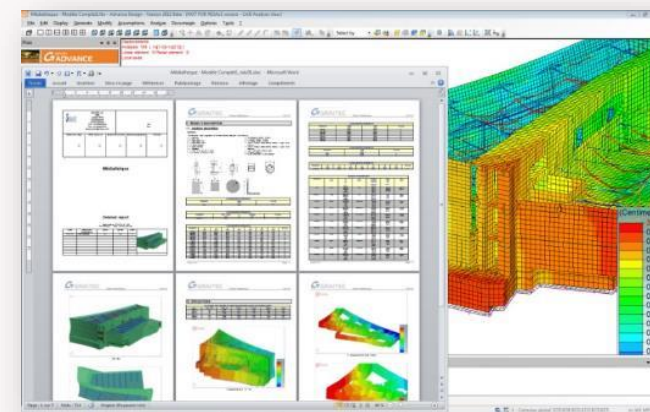
GRAITEC - MAIN Products for NAMER



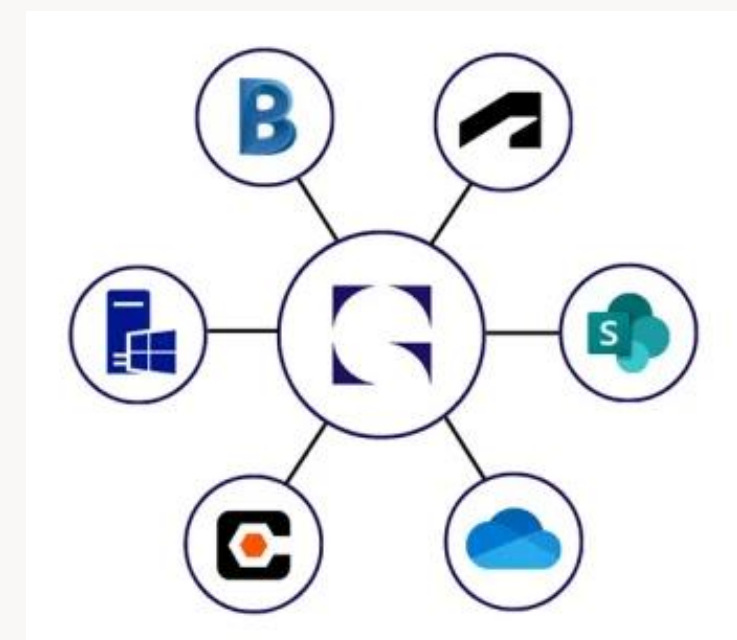
- Add-on for Autodesk Revit®, Autodesk Advance Steel, Autodesk Inventor & Vault
- Productivity tools for more automation and better control
- Improved localization content



- 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**

DATA & ANALYTICS

WORKFORCE COLLABORATION

DOCUMENT & FILE MANAGEMENT

FINANCIALS & BUDGET MANAGEMENT

SITE & SAFETY MANAGEMENT

MIXED REALITY

REALITY CAPTURE

PROJECT MANAGEMENT



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



agave + INTEGRATION SERVICES



ACC Partner Integration **Solutions**



AUTODESK
Construction Cloud

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

GRAITEC's VALUE DRIVEN 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

B INTEGRATES WITH



Viewpoint vista



Foundation



Quickbooks Online



Acumatica



Viewpoint Spectrum



Sage 100 Contractor



CMiC



Quickbooks Desktop



Sage 300 CRE

Customer Success:

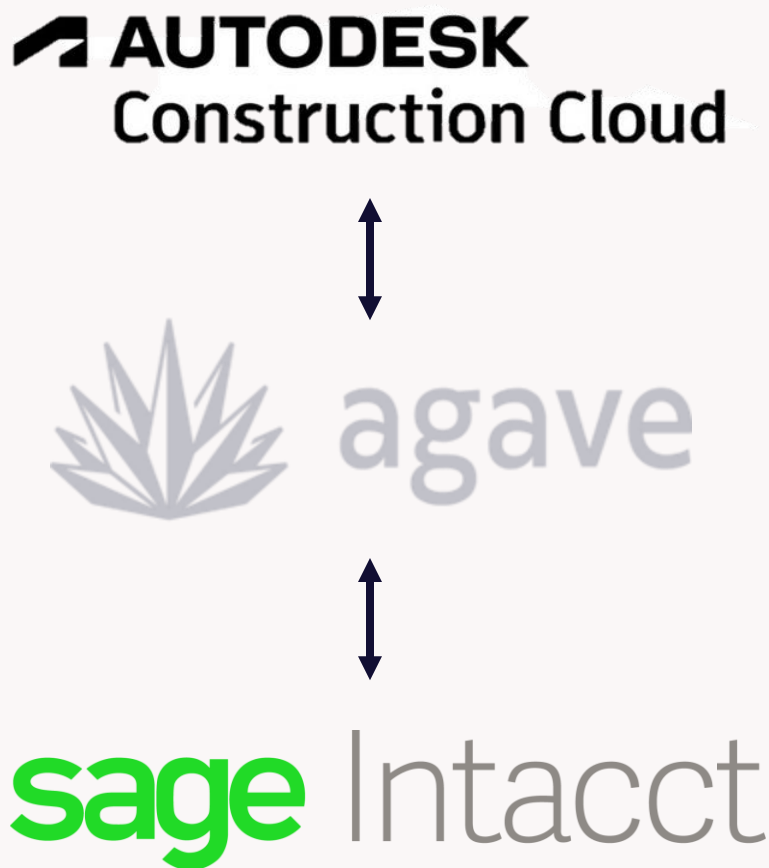
S & P
SATTERFIELD & PONTIKES
CONSTRUCTION, INC.

"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/

Integration between ACC and Sage Intacct



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



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



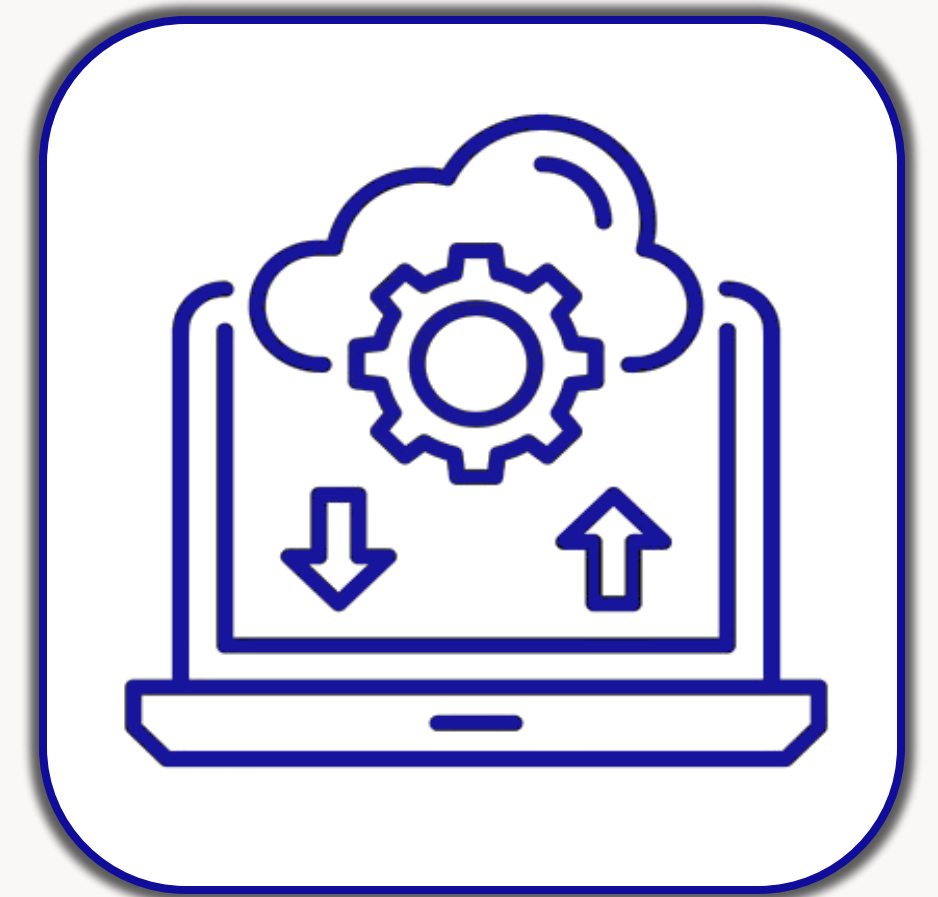
BACK-UP

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



 Connections

 Workspaces













































 Activity

 Logs

 Batch Tools

Workspaces

Create Workspace

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

Create Sync

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

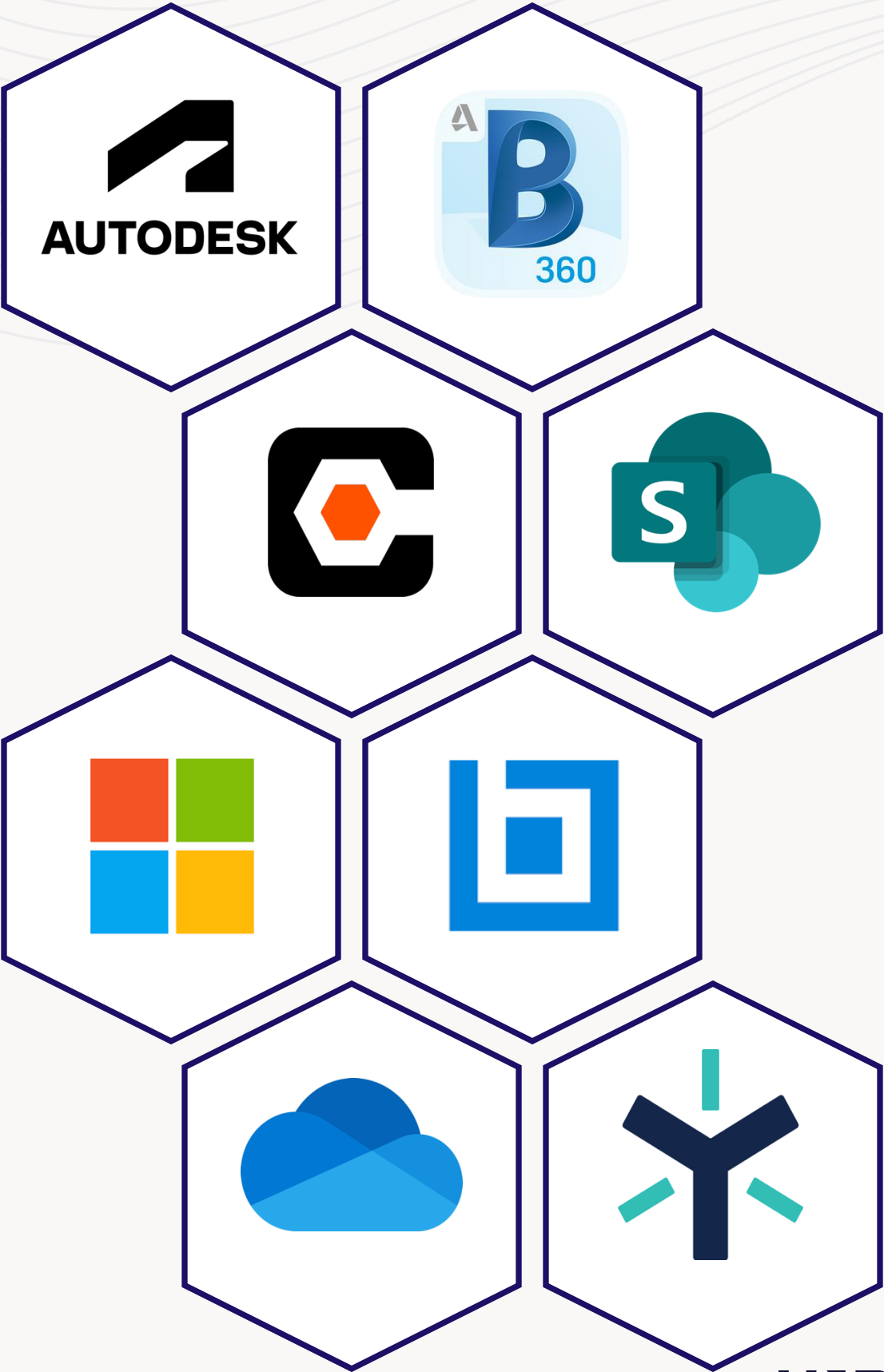
Connections

Create Connection

Stat...	Name		Description		Storage Solution	Company		Date Created	Username		<input type="checkbox"/> Show Archived
	Autodesk Build - Graitec File Sync Product Testir					Graitec File Sync Product Testing		04/08/2025	Stuart Smith		
	Autodesk Build - Graitec ACC					Graitec ACC		04/08/2025	Stuart Smith		
	Bluebeam					GRAITEC		04/08/2025	STUART.SMITH		
	SharePoint					GRAITEC		04/08/2025	Stuart Smith		
	Autodesk Build - Graitec File Sync Product Testir					Graitec File Sync Product Testing		04/08/2025	Stuart Smith		
	Dalux					Atlas		12/08/2025			
	Dalux Demo					Atlas Ward Demo		20/08/2025			
	Egnyte					App4gratec		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.”

 **DATA CONNECT**
FILE SYNC

+

 **BLUEBEAM**

 **INTEGRATION SERVICES**



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

https://app.bluebeam.com/sessions

1

?

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

Graitec Connect

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

AUTODESK Construction Cloud

Bluebeam Demo

?

SS

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

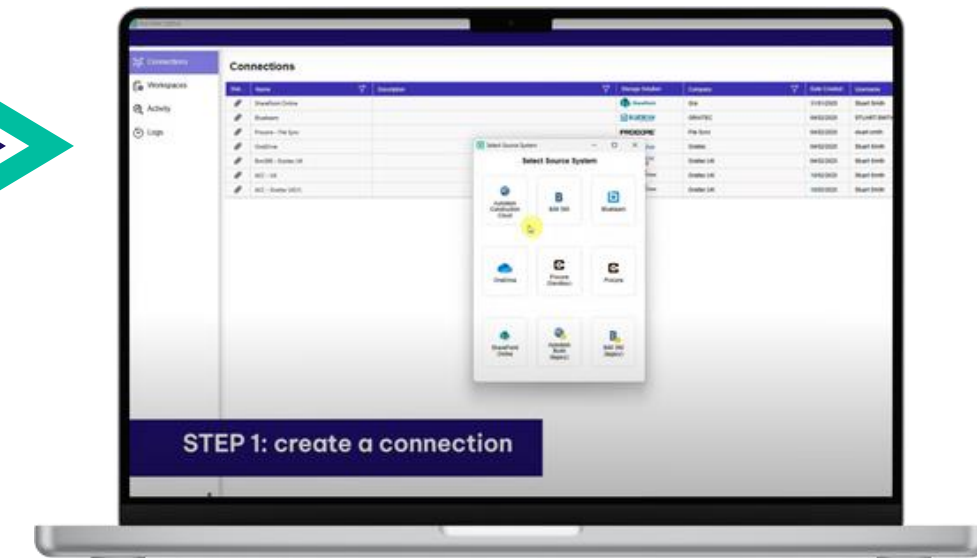
FILE SYNC

15 Minute Set Up Time

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

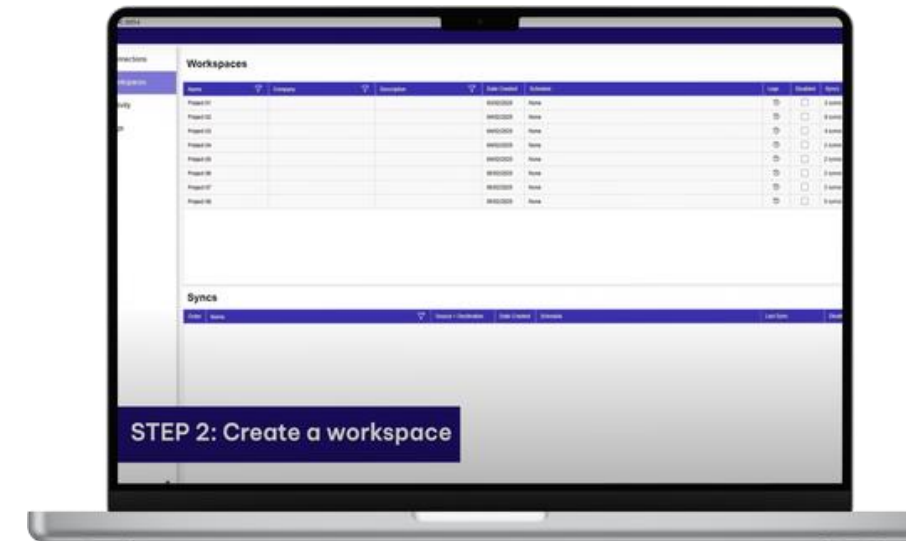
01 ➤

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



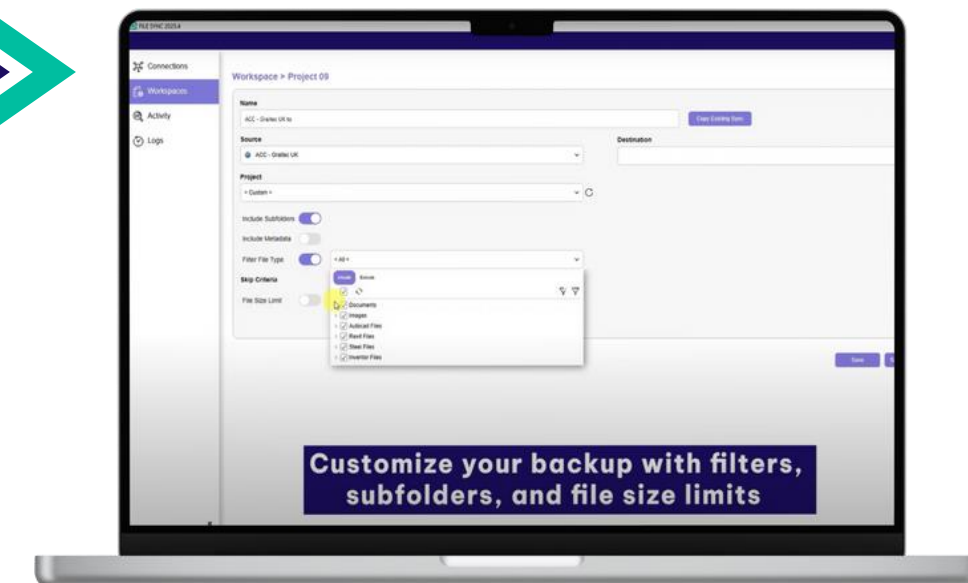
◀ 02

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”

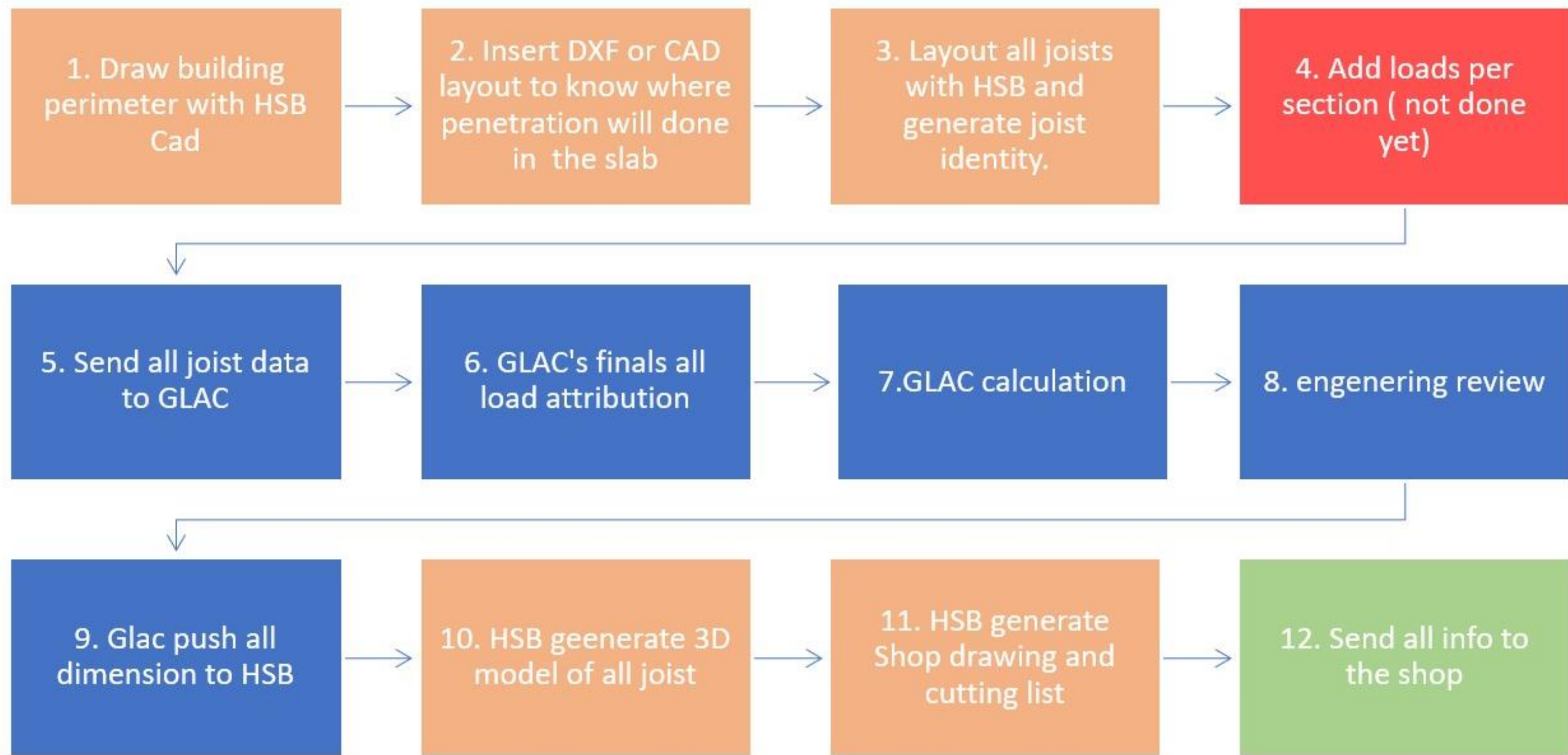
SPECIALISTS IN PREFABRICATED BUILDING STRUCTURES

- 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**
- **Pecast 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”

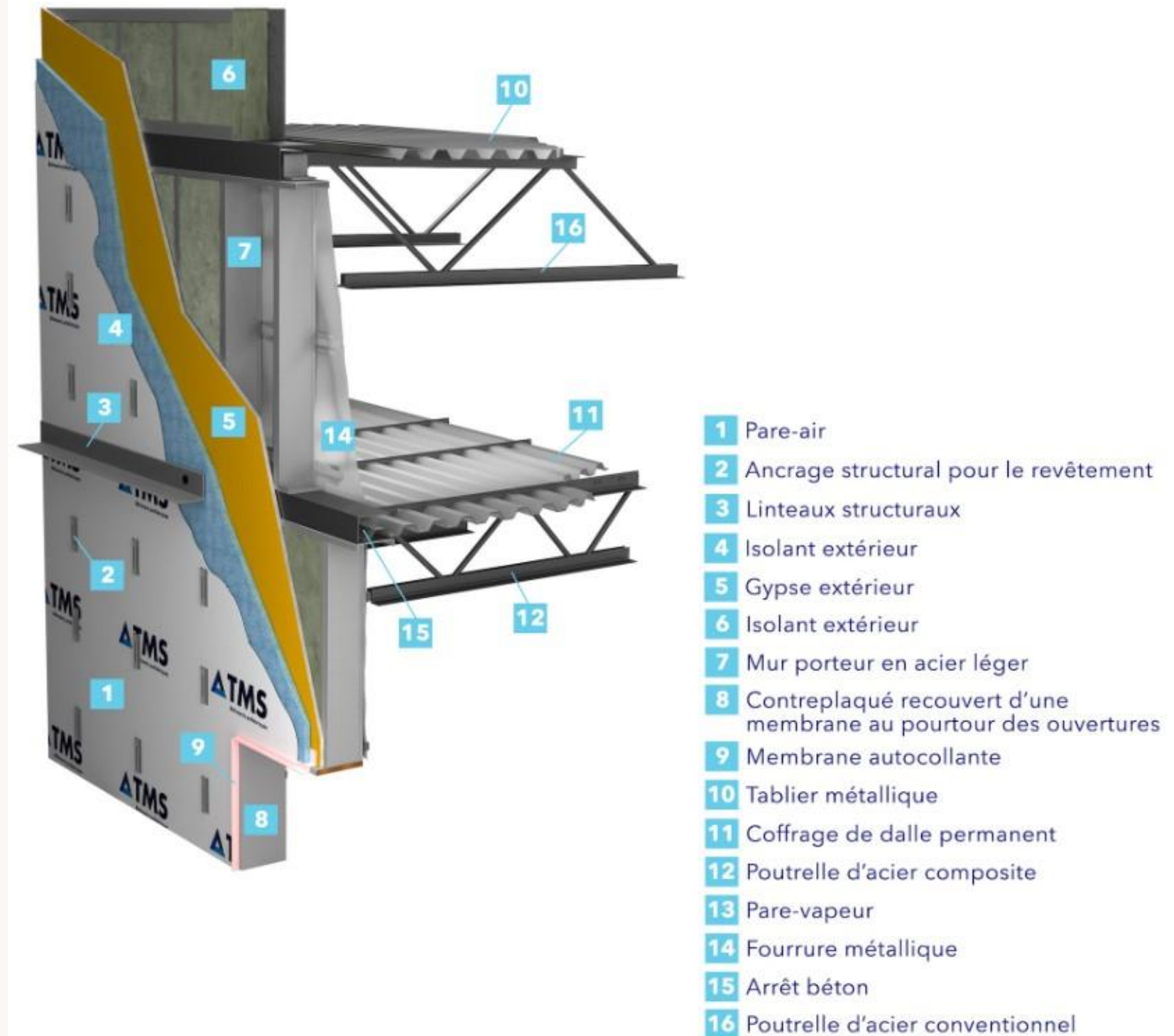
Current digital solutions followed by our Graitec solutions



Company “X” - Wall panel

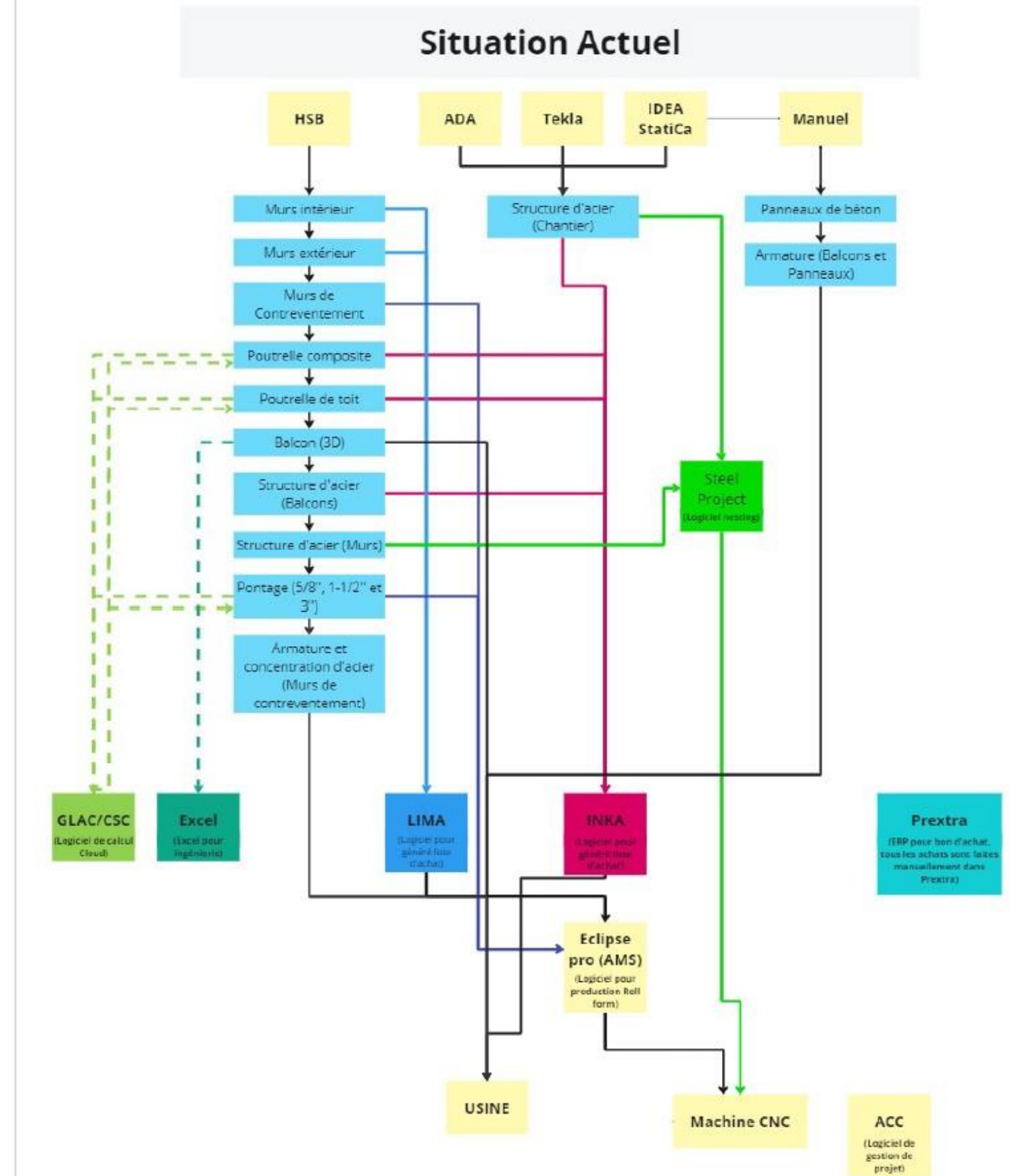
Current solution

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



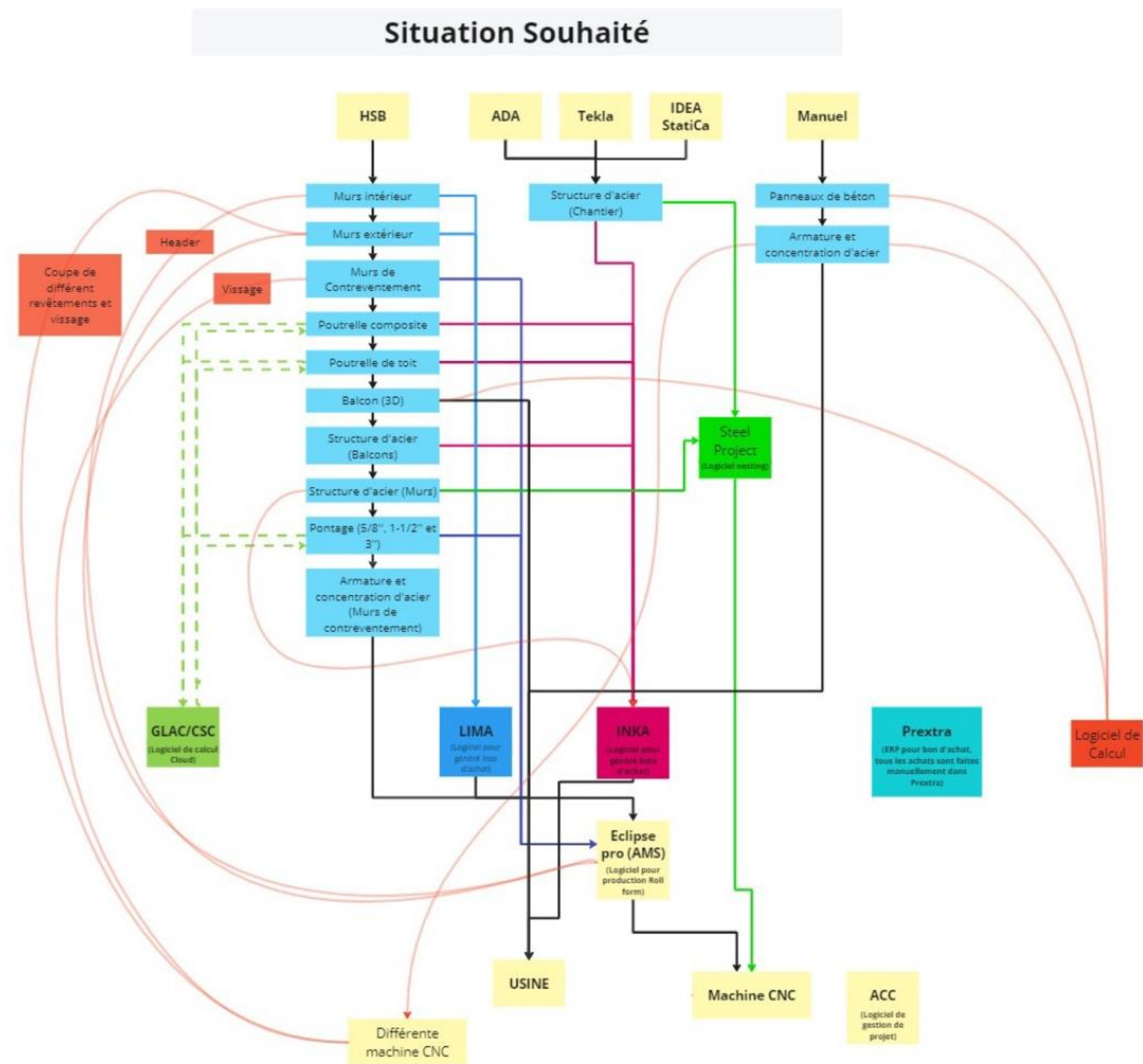
DATA CONNECT FILE SYNC

Current Workflow by Product Type



DATA CONNECT FILE SYNC

Desired Workflow by Product Type



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

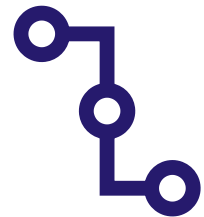
Need a unique workflow or automation? Our expert developers build custom tools, scripts, and APIs that solve your business-specific challenges—seamlessly integrated into your environment.

5. Full BIM Lifecycle Coverage

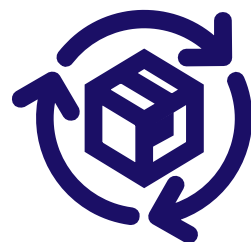
From concept design and simulation through to fabrication and facilities management—we help you standardize, streamline, and scale BIM across every stage of the project.



THE BENEFITS



**Connected
Systems**



**Process
Automation**



**Enhanced
Collaboration**



**Business
Continuity**



we are...

Thank you!

www.Graitec.com

Tommy Moussis

Senior Solution Architect – Data Connect

Tommy.moussis@gratec.com