



Submission Guide

OPENBIM AWARDS PROGRAM

2023 Submission Guide

WELCOME	2
OVERVIEW.....	3
WEBSITE	3
AWARD CATEGORIES	3
CORE REQUIREMENTS	4
SHARING & CONFIDENTIALITY AGREEMENTS.....	5
KEY DATES	5
WHAT'S NEW IN 2023	5
COMPLETING AN ENTRY	6
TAILORED CATEGORY APPROACH.....	6
SOFTWARE ECOSYSTEM.....	6
PROCESS MAPS	6
ADDITIONAL EVIDENCE	6
IFC FILE VIEWER FOR JURY REVIEW	6
bSI VALIDATION SERVICE	7
USE CASES	8
VIEWS AVAILABLE OF PAST ENTRIES.....	8
PLAGERISM.....	8
RESUBMISSION OF PAST PROJECTS	8
JURY PROCESS.....	9
FINALISTS & SPECIAL MENTIONS	9
GALA CEREMONY	9
CONTACT.....	9
FREQUENTLY ASKED QUESTIONS.....	9
OPT-IN TO BSI NEWS.....	9
Appendix A: Message to Applicants.....	10
Appendix B: Award Category Definitions.....	11
Appendix C: Sample Attachment Files.....	13

WELCOME



Welcome to the 2023 Awards season. This submission guide has all the information you need to prepare for and execute a submission to the Awards competition for 2023. This year we have incorporated sustainability criteria into all submission categories, reflecting the global trend to promote more sustainable outcomes. We also have focused attention on capturing Business Value metrics and qualifiers. With these improvements, the user experience for submitters and jury members remains consistent in the Award Force platform, helping everyone focus on what's important here – demonstrating excellence in the use of openBIM! On behalf of the entire awards program team, we wish you the best of luck and success with your submission.

Sincerely,

A handwritten signature in black ink that reads "Susan Keenlside".

Susan Keenlside
Program Manager
buildingSMART International Awards

OVERVIEW

The buildingSMART International Awards Program honours exemplary demonstrations of **openBIM** best practice or innovation excellence within project delivery, operations, research projects, technology solutions development, or sustainable outcomes in the built asset industry. Entries are judged on how effectively, or how innovatively, they have used openBIM to overcome interoperability and open information exchange challenges.



WEBSITE

[bSI Awards 2023 - buildingSMART International](#)

The bSI website for the Awards Program is the homepage for all awards information, including access to Award Force - the awards platform for both submitting and judging. You can also review past winners, finalists, and special mentions.

Finally, don't miss reading [Appendix A: Message to Applicants](#) at the end of the document for more details about the program.

AWARD CATEGORIES

There are four (4) main themes with a total of ten (10) categories to be awarded for the 2023 season:

Award Categories for 2023

Entries must deploy one or more buildingSMART tools or standards and are judged on how effectively, or how innovatively, they have used these to overcome interoperability challenges



Refer to the website or [Appendix B: Award Category Definitions](#) for detailed definitions and expectations per category. If you are not sure which category your submission belongs, you can reach out to awards@buildingSMART.org to ask the question.

In addition, the international jury, program management, and bSI Executive have the opportunity to nominate submissions at their discretion for additional awards or special mentions. These additional awards and special mentions are to recognize submissions of high merit that deserve recognition by the buildingSMART community. These additional awards and special mentions may cover areas of achievement such as, but not limited to, Small- and Medium-Sized Enterprise Excellence, Sustainability Excellence, Innovation Excellence, Leadership Excellence, Business Value Demonstration Excellence, or Use Case Excellence.

CORE REQUIREMENTS

Satisfying the following core requirements is necessary to advance to the judging round:

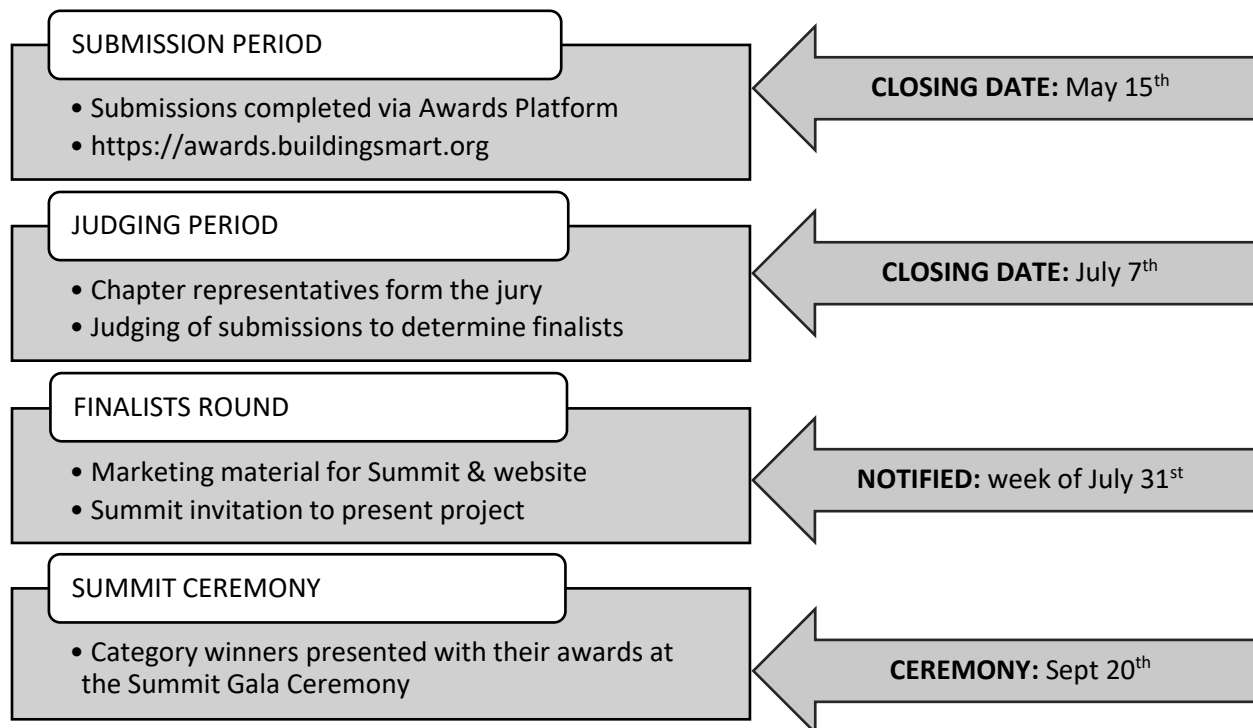
1. Entries must demonstrate with evidence the deployment of one or more buildingSMART tools or standards.
2. Entries must be delivered in International English; the jury will not be able to assess content written in a language other than International English.
3. One submission = one project.
4. One project can submit for multiple awards if they meet the criteria. When submitting a project for multiple awards, it is expected that each submission be tailored to each category scope.
5. There is no limit to the number of submissions a proponent can submit.
6. Past submissions that did not win an award in previous seasons are able to resubmit to any new season. Past award winners are not eligible for resubmission in the same category but may submit to other categories.
7. It is a requirement for applicants to submit IFC model files and/or any other technical file formats as evidence of the claims of the submission.

SHARING & CONFIDENTIALITY AGREEMENTS

buildingSMART International reserves the right to promote the submissions within the community. This will include but is not limited to publication of the winners, finalists and special mentions in galleries on the website, as individual case studies, and in the annual Awards Yearbook, all of which will be publicly available. The exception to this is any model or other technical files submitted, which will not be shared with the broader community unless express consent has been given on a case-by-case basis.

KEY DATES

*All dates referenced are open until 23h59 in the last time zone available worldwide. Please refer to the website for any changes to the closing dates published here. If there is a discrepancy between the dates in this guide and that of the website, the dates on the website shall take precedence.



WHAT'S NEW IN 2023

- New criteria added to all categories:
 - Business Value: Being able to articulate the quantitative and qualitative measures of openBIM is a key ingredient to showcasing business value.
 - Sustainability: Learning from last years' experience with the new Sustainability criteria, the awards program is now providing all submission categories the opportunity to demonstrate sustainable outcomes as part of their entry.
- Launch of the new **BSI Validation Service** is available to all submitters to check their IFC files and will be used by the Technical Triage team to check if the data is valid against the specification (and bSDD).

COMPLETING AN ENTRY

<https://awards.buildingsmart.org>

Award Force is a web-based awards platform used by buildingSMART International and does not incur any cost to the applicant for its use. It requires a log-in profile that is created prior to entering the site.

Register with a username and password. Then choose the correct category and follow the instructions as they appear in the tabs. Be sure to take note of your login credentials to use every time you log in to the platform. You can save your submission and return to it as many times as you need.

PLEASE NOTE: YOU MUST CLICK “SUBMIT” BEFORE THE SUBMISSION DEADLINE TO ENTER THE COMPETITION. Entries that are saved, but not officially submitted are considered “In Progress” and are not counted as an official submission. An entry cannot be submitted until all the required fields are completed.

Once an entry is officially submitted you will receive an email confirmation from the system.

TAILORED CATEGORY APPROACH

Note that there is a tailored approach within each main theme (parent category); depending on which category and subcategory you choose you will be presented with different submission tabs to complete.

SOFTWARE ECOSYSTEM

Submitters are to create a graphic or map that demonstrates all software used, by which stakeholder, which IT infrastructure, in which project phase or information exchange or BIM use. Identify where openBIM tools and/or standards and/or concepts aided in the outcome.

PROCESS MAPS

Applicants are asked to include process maps to their submission, in addition to what is provided as a Software Ecosystem Map. The choice of the format and design is at the applicants’ discretion.

ADDITIONAL EVIDENCE

Screenshots, video screen captures, and other forms of documentation are also highly encouraged throughout the submission documentation to show clear software workflows and model or data content.

IFC FILE VIEWER FOR JURY REVIEW

It is a requirement for applicants to submit a URL link to IFC model files UPLOADED TO A FREE VIEWER TOOL* as evidence of the claims of the submission.

Applicants must upload the files to a web-based viewing platform with the following requirements:

- Online upload and visualization (with a browser) not only of IFC models but also other supported formats such as BCF, Point Clouds, PDF, DXF, DWG, etc.
- Ability to query data of model elements
- Publicly accessible link (the user will upload the model, create a public link and give access to everyone; those with this link will be able to view the document, but not need to download it)



- Uses an encrypted connection for upload
- User profile protected with username/password

The jury must be able to click on the link to the viewer and review the content without having to download any application or files. The choice of platform for this is entirely up to the submitter. Contact awards@buildingsmart.org if your organization has secure information handling requirements that need to be met.

**Should submitters not have a preferred platform to do this, ACCA Software has made available their browser-based file viewer for upload and visualization tailored specifically for the bSI openBIM Awards Program.*

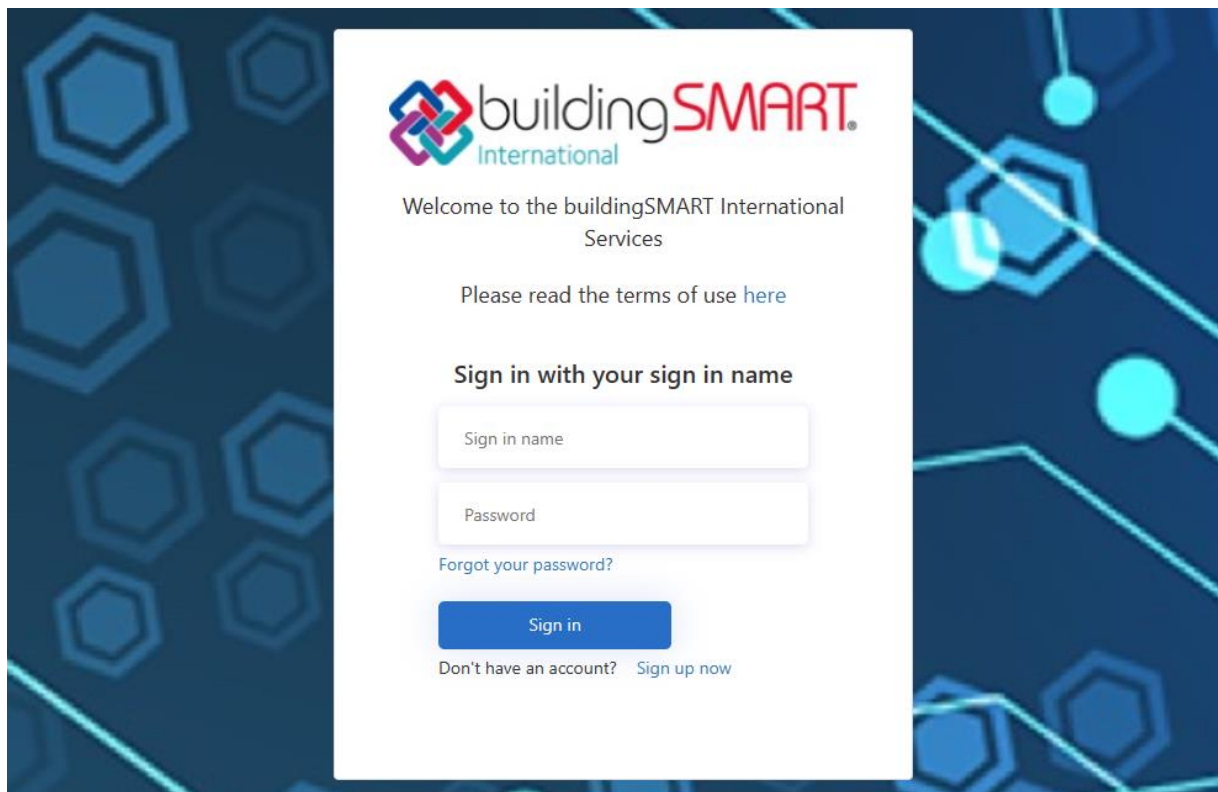
The ACCA viewer is free to use, utilizes an encrypted connection for upload, is username and password protected, and supports several file formats including IFC, BCF, Cloud Points, PDF, DXF, and DWG. Once upload of the file(s) is complete, you will be able to generate a publicly accessible link. A field within the submission exists to paste the link and will be used by the jury to analyse the uploaded files.

The viewer can be found at:

- Video with the test instructions for sharing the models is at [this link](#)
- Access the service webpage and use it from [this link](#)

bSI VALIDATION SERVICE

<http://validate.buildingsmart.org>



If you don't have an account, you can sign up and create one for free.

The bSI Validation Service does not visualize the data. It checks if the data is valid against the specification (and bSDD). In this way, it is more like a 'diagnostics' on an IFC file*. When the jury wants to 'see' the file and view the properties, etc. the Validation Service does not work as a replacement for ACCA's file viewer, or other file viewers (section above).

The Technical Triage team will run all submissions through the validation service automatically and provide the reports to the jury. However, submitters are encouraged to try the service themselves and understand what the jury will be reviewing as technical evidence in the submission. Keep in mind that there are errors in almost every file and so submitters shouldn't be scared off by this.

This service is in the 'public beta' version. Feedback is welcome. For any questions or troubleshooting or feedback of this service, please reach out to validate@buildingSMART.org.

**The bSI Awards Team will contact each submitter to upload their IFC file(s) to the www.box.com platform for the Technical Team to use in the Validation Service and publish the report.*

USE CASES

We continue to encourage documentation of any BIM Use Case deployed on the project. Although there is no requirement to complete a specific deliverable at this time, use case excellence could be awarded at the discretion of the jury or executive.

For more information on the bSI UCM activity, visit <https://www.buildingSMART.org/users/services/>



A Use Case defines ...	<ul style="list-style-type: none"> • who needs • which information • at what time • in which format • in which level of detail 	Results of a Use Case:	<ul style="list-style-type: none"> • common understanding • integrated processes • inputs to EIR and BEP • mapping to IFC schema • basics for MVD's
-------------------------------	---	-------------------------------	--

<https://ucm.buildingSMART.org>

VIEWS AVAILABLE OF PAST ENTRIES

Submitters can review entry submissions from past years through the Gallery Views in the AwardsForce Platform, as well as Winner, Finalist and Special Mention content on the bSI website Awards pages. Submitters are encouraged to review past entries for examples, such as Software Ecosystem Maps, Process Maps, Data Metrics, etc.

PLAGERISM

PLAGERISM IS NOT ALLOWED AND WILL RESULT IN DISQUALIFICATION.

RESUBMISSION OF PAST PROJECTS

buildingSMART encourages the resubmission of projects to the awards program. In some cases, the past submission may not have fully demonstrated the accomplishments, or the project may have further advanced since the time of the last submission. PLEASE NOTE that previous winning projects are eligible to submit to different or new categories, but not to resubmit to the same category in which they won an award.



JURY PROCESS

buildingSMART is committed to a fair and transparent judging process. The Jury is selected on a volunteer basis from each of the buildingSMART chapters around the world. Each jury member attests to not being involved with any submission nor any of the projects being submitted. The jury is given the tools and background knowledge to be able to complete the judging activities fairly and consistently across all submissions. The jury will determine the finalists for each award category.

FINALISTS & SPECIAL MENTIONS

All finalists and special mentions will be asked to provide additional material to be promoted by buildingSMART. This may include additional promotional materials, and a 20-minute presentation at the Autumn Summit to determine the category winners. Winners will be announced at the Gala Dinner Awards Ceremony during the bSI Autumn Summit.

GALA CEREMONY

The Gala Ceremony is the event where the buildingSMART openBIM Awards are announced. It occurs during the Autumn Standards Summit. It is a gala dinner for summit participants with the awards ceremony taking place as the capstone entertainment and celebration. All submitters are invited to attend, regardless of final standing in the awards.

CONTACT

Submitters may contact awards@buildingsmart.org with questions or websupport@buildingsmart.org for technical issues at any time.

FREQUENTLY ASKED QUESTIONS

Submitters are encouraged to review the FAQ section of the website:

<https://www.buildingsmart.org/awards/bsi-awards-2022/>

OPT-IN TO BSI NEWS

Opt-in to the buildingSMART mailing list to receive all bSI news and regular communications:

<https://share.hsforms.com/1Lt8Rj8QWSz2FdJl6wMwqRQ2wx5h>



Appendix A: Message to Applicants

Thank you for your interest in submitting a project to the buildingSMART International (bSI) openBIM Awards. buildingSMART created the Award program to recognize exemplary projects that have used buildingSMART solutions to effectively overcome interoperability challenges. The first awards were presented in Toronto in October 2014.

“It’s an opportunity for organizations to showcase their application of buildingSMART open standards and solutions to benefit the delivery of their project, along with the improvements this is leading to in the performance and sustainability of their business, across asset delivery or operations”.

Clive Billiald, Chief Executive Officer

To ensure your project has the greatest chance of winning an award, read carefully as we provide you with instructions and information about the submittal process. It is important to follow these instructions to present your submission in the clearest way possible to the jury.

The submissions will be judged on how well the evidence demonstrates the use of openBIM and open information exchanges on the project, with highest ratings going to projects showcasing the use of bSI Standards, Tools, and Services. The submitters are required to provide technical evidence.

From experience, we have found the competition to be very intense. buildingSMART ensures a fair competition by combining rigor and transparency in the submittal process and enabling the jurors to give all parties equal consideration. To this end, the evidence given must follow the instructions and contain information that clearly demonstrates openBIM in the submission.

We recognize the time required to prepare a proper award submission, and our aim is to make the process as easy as possible. Concurrently, we respect the jury members’ time to thoroughly review each submission in a consistent method to make their best assessment. The more succinct and organized the evidence is in supporting the submission, the better the process is for everyone.

BEWARE: Copious, non-relevant, or insufficient information will be viewed as detrimental. The jury has a limited amount of time to review submissions. Ensure important information is explicit and not buried in large amounts of text. **Do not duplicate text in multiple fields.**

IMPORTANT REMINDER: All communications from buildingSMART International regarding your submission will be sent only to the contact person provided in your award application. If you need to change the contact, please send your request to awards@buildingsmart.org

Best of luck,
bSI Awards Management Team



Appendix B: Award Category Definitions

THEME		CATEGORY	
Project Delivery Excellence	An industry project award recognizing excellence by any stakeholder in construction project delivery using openBIM.	Design for Buildings using openBIM	An industry construction project with demonstrated excellence using openBIM during the Design phase of project delivery in buildings.
		Design for Infrastructure using openBIM	An industry construction project with demonstrated excellence using openBIM during the Design phase of project delivery in infrastructure.
		Construction for Buildings using openBIM	An industry construction project with demonstrated excellence using openBIM during the Construction phase of project delivery in buildings.
		Construction for Infrastructure using openBIM	An industry construction project with demonstrated excellence using openBIM during the Construction phase of project delivery in infrastructure.
		Handover using openBIM	An industry construction project with demonstrated excellence using openBIM for Handover of datasets and information during Project Close-out.
Operational Excellence	Operational excellence using openBIM by any stakeholder during the Operations phase of a built asset.	Asset Management using openBIM	Asset lifecycle information management with demonstrated excellence using openBIM in the Operations phase of a built asset.
		Facilities Management using openBIM	From real estate planning and space management to preventative maintenance, lifecycle replacement and emergency preparedness; the Operations Phase of a built asset has many data needs for openBIM.
Research Excellence	A research project that advances the pursuit of interoperability using buildingSMART schema or tools.	Professional Research using openBIM	Research excellence using openBIM led by academic, industry or government professionals.
		Student Research using openBIM	Research excellence using openBIM led by students.

<p>Technology Excellence</p>	<p>Software development deploying buildingSMART schema, tools or standards.</p>	<p>Technology Solution using openBIM</p>	<p>An applied technology solution developed on the back of buildingSMART schema.</p>
-------------------------------------	---	--	--

Appendix C: Sample Attachment Files

Below are some examples from past submissions to help give ideas on how to support the submission with the kinds of attached documents we are asking you to provide. Please remember that plagiarism is a serious offence and not tolerated in this program. You can view other submission examples through the AwardForce “Gallery” viewer, as well as examples on the bSI website under the Awards pages.

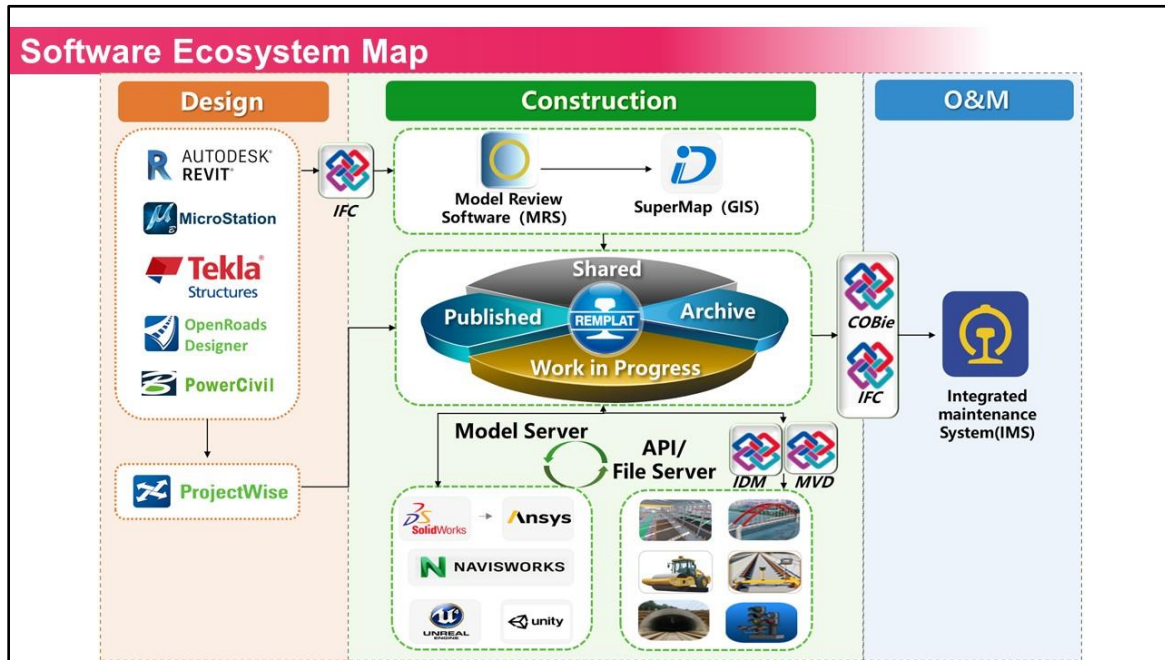


Figure 1: Software Ecosystem Map – Beijing-Zhangjiakou high speed railway, China

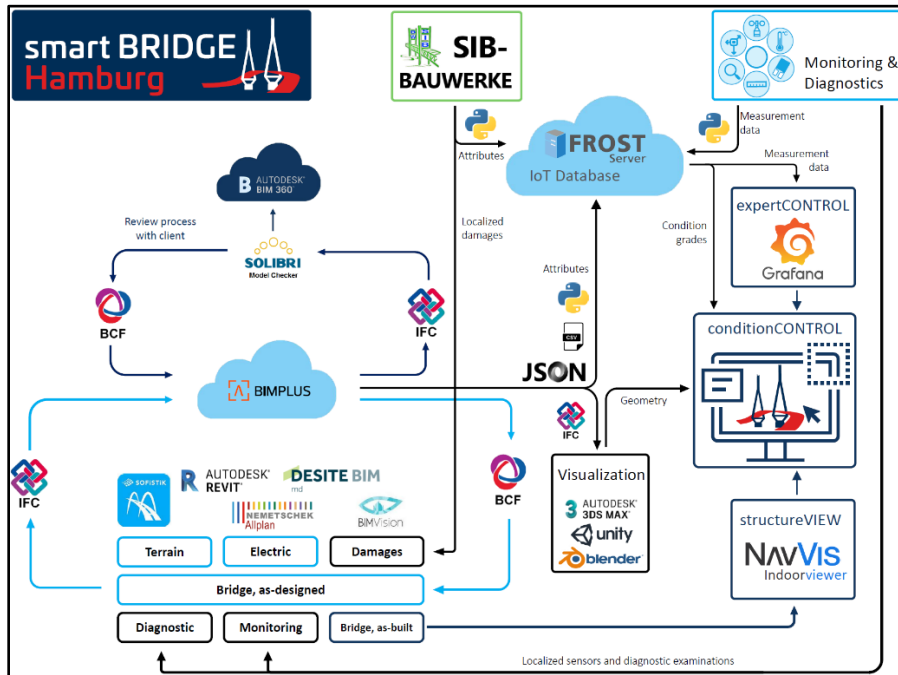


Figure 2: Software Ecosystem Map - smartBRIDGE Hamburg, Germany

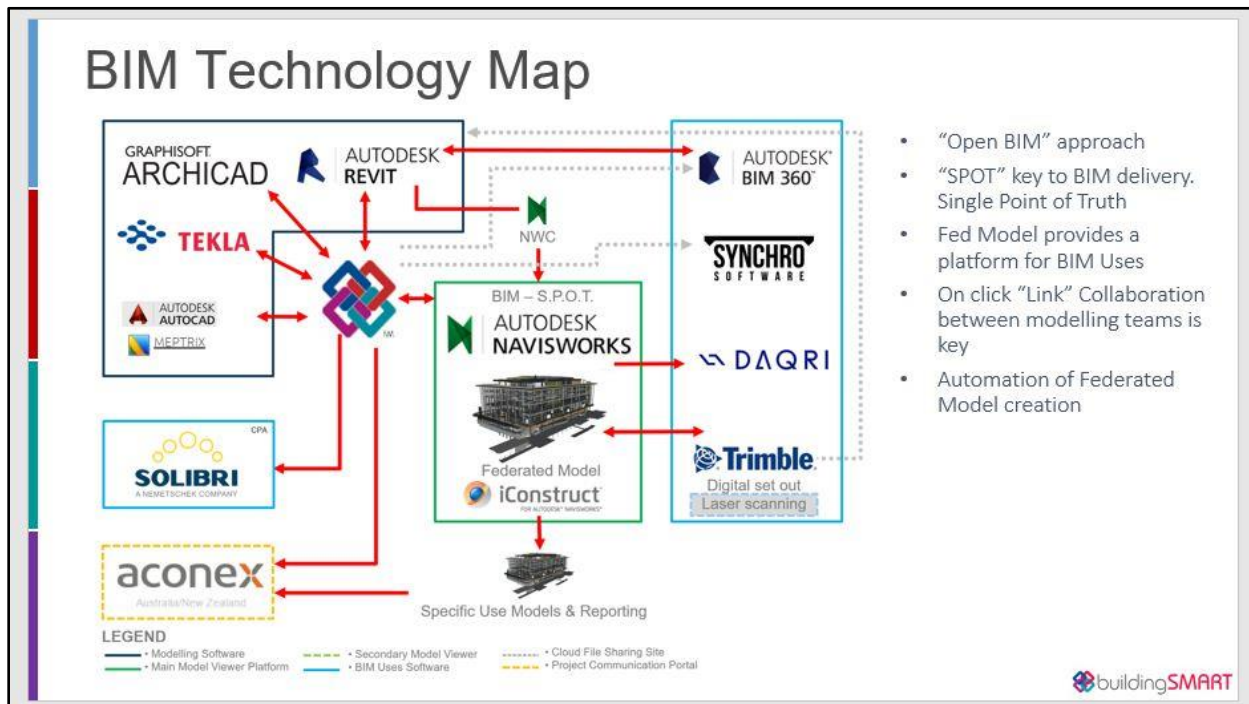


Figure 3: BIM Technology Map – Mercedes Autohaus Project, Australia

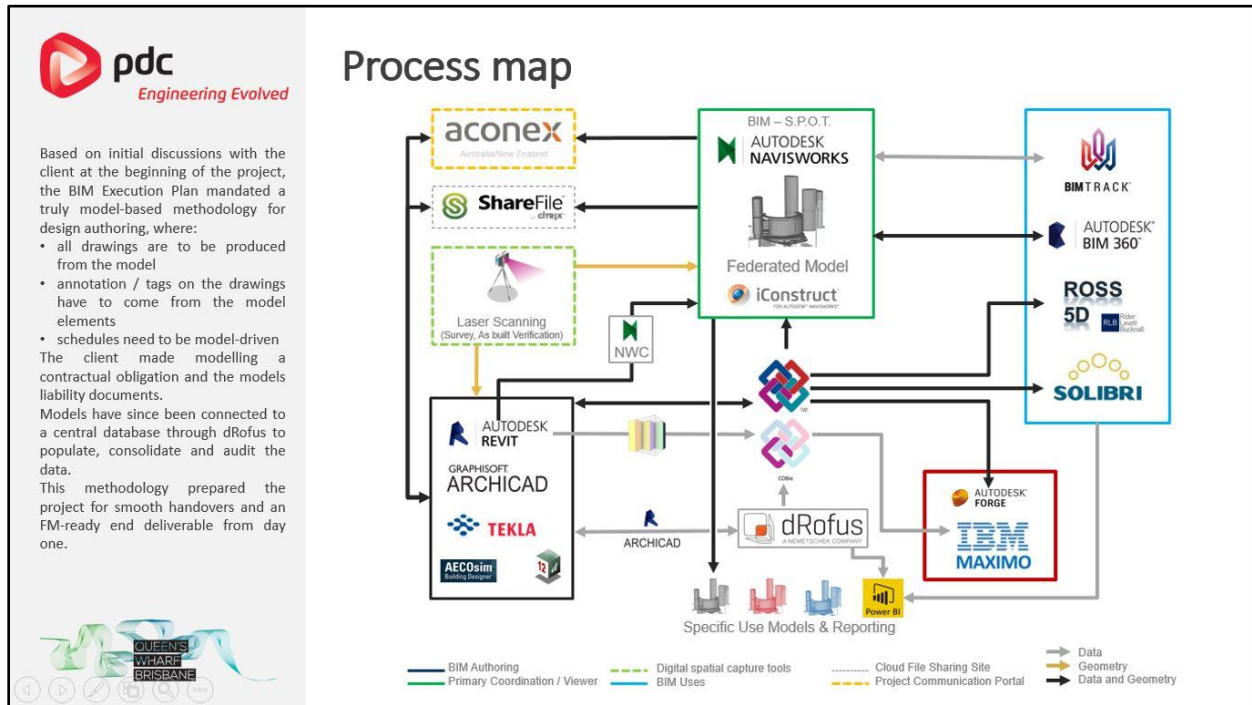


Figure 4: Process Map – Queen’s Wharf Brisbane Project - Australia

Project general information

- Project BIM Uses

Project BIM use / Description	Stage	Tool	Delivery format
Design Authoring and Drawing Production	Stage 1	ARCH Rhino (T1), Revit (T2)	JPEG(T1) IFC, RVT, DWG, PDF, NWD (T2)
		STR Revit	IFC, RVT, DWG, PDF, NWD
		MEP Revit	IFC, RVT, DWG, PDF, NWD
		CIVIL Civil 3D	
	Stage 2	ARCH Revit STR Revit MEP Revit CIVIL Civil 3D	IFC, RVT, DWG, PDF, NWD,
Sun & shade analysis	Stage 1 T1, T2	Ecotect	JPEG
Clash Detection	Stage 1 T2, T3, T4 Stage 2 T1, T2, T3	Navisworks	NWD, PDF
BIM Model for Tender Documents	Stage 1 T4	ARCH Revit	
	Stage 2 T3	STR Revit	IFC, RVT, PDF, DWG, NWD
		MEP Revit	
		CIVIL Civil 3D	
4D Sequencing	Stage 1 T2, T3 Stage 2 T1, T2	Navisworks	NWD, AVI
Animation	Stage 1 T1, T2 Stage 2 T1, T2	Twinmotion	AVI
Scheduling for BOQs	Stage 1 T2&3 T4 Stage 2 T1, T2, T3	Revit	RVT

- Stage 1 T1** : Land Use Master Plan Review and Concept Design
- Stage 1 Task 2** : Building Architecture and Engineering Schematic Design
- Stage 1 Task 3** : Infrastructure Schematic Design
- Stage 1 Task 4** : D&B Tender Documents
- Stage 2 Task 1** : Detailed Design Development
- Stage 2 Task 2** : Final Design
- Stage 2 Task 3** : Pre-Construction Contract Stage

Figure 5: Project BIM Uses – Qatar TOD Project, Qatar TOD

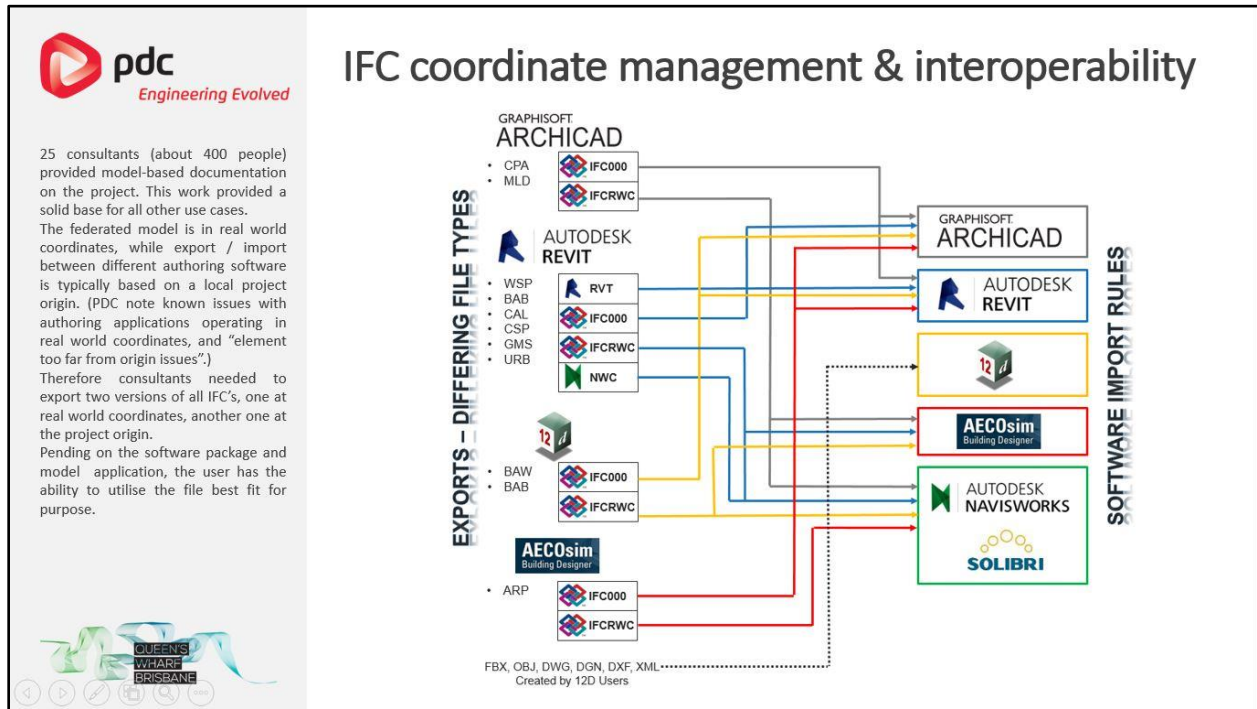


Figure 6: IFC coordinate management & interoperability – Queen’s Wharf Brisbane Project – Australia

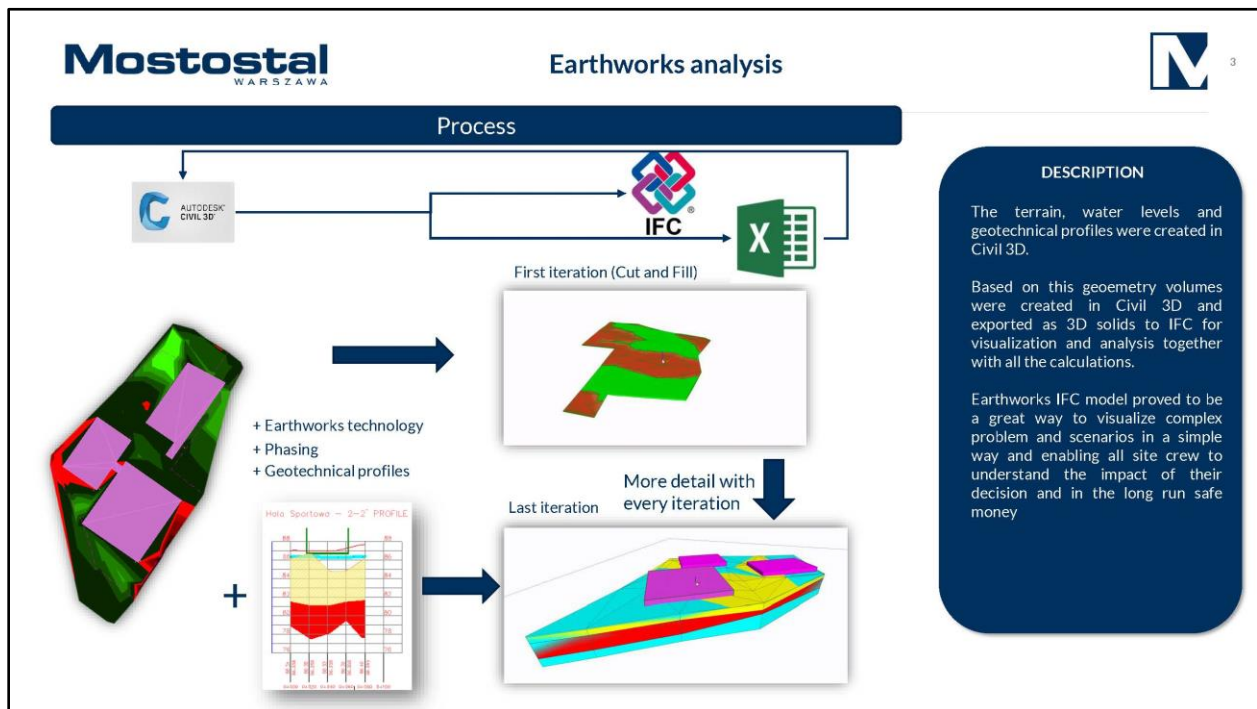


Figure 7: Earthworks analysis – Primary school in Warsaw, Poland

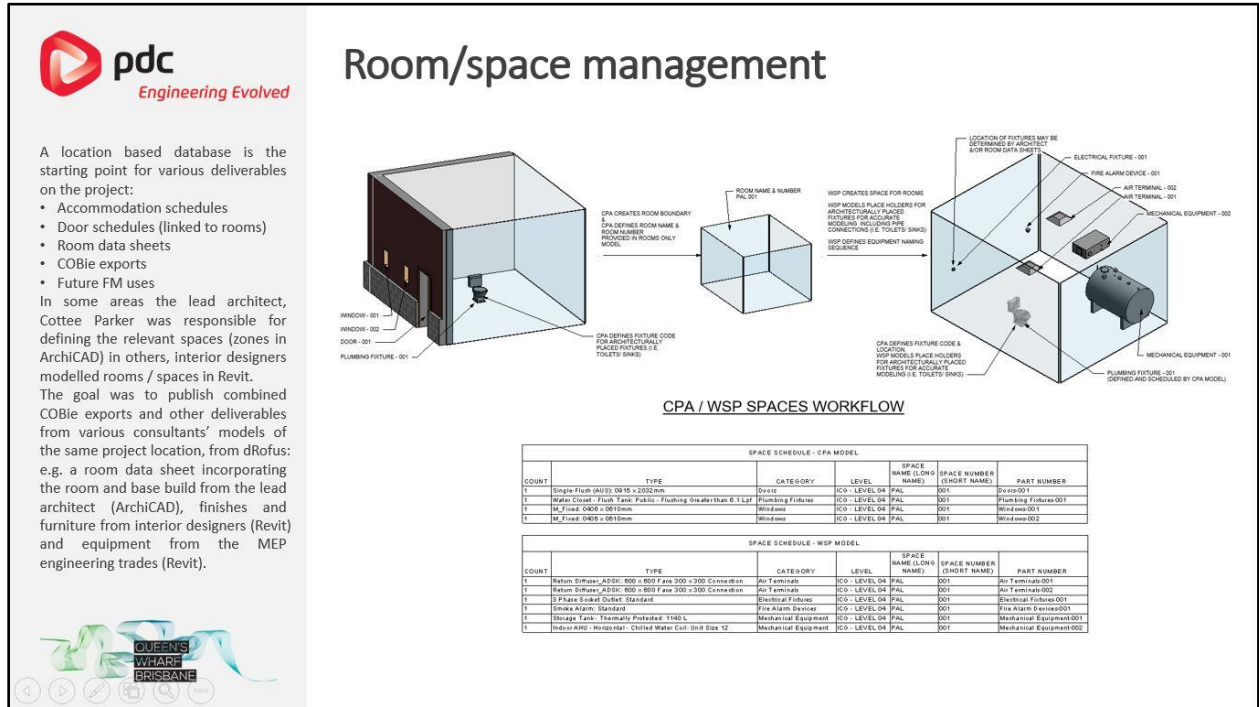


Figure 8: Room/space management – Queen’s Wharf Brisbane Project - Australia

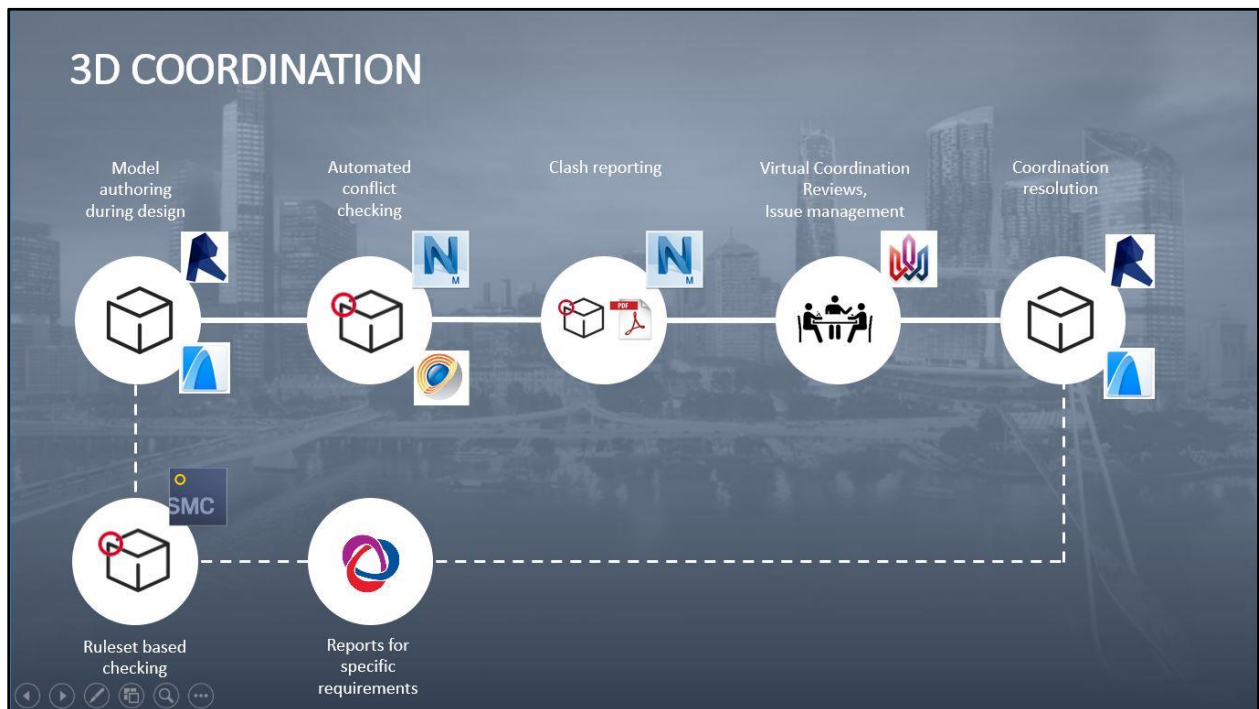


Figure 9: 3D Coordination – Queen’s Wharf Brisbane Project - Australia

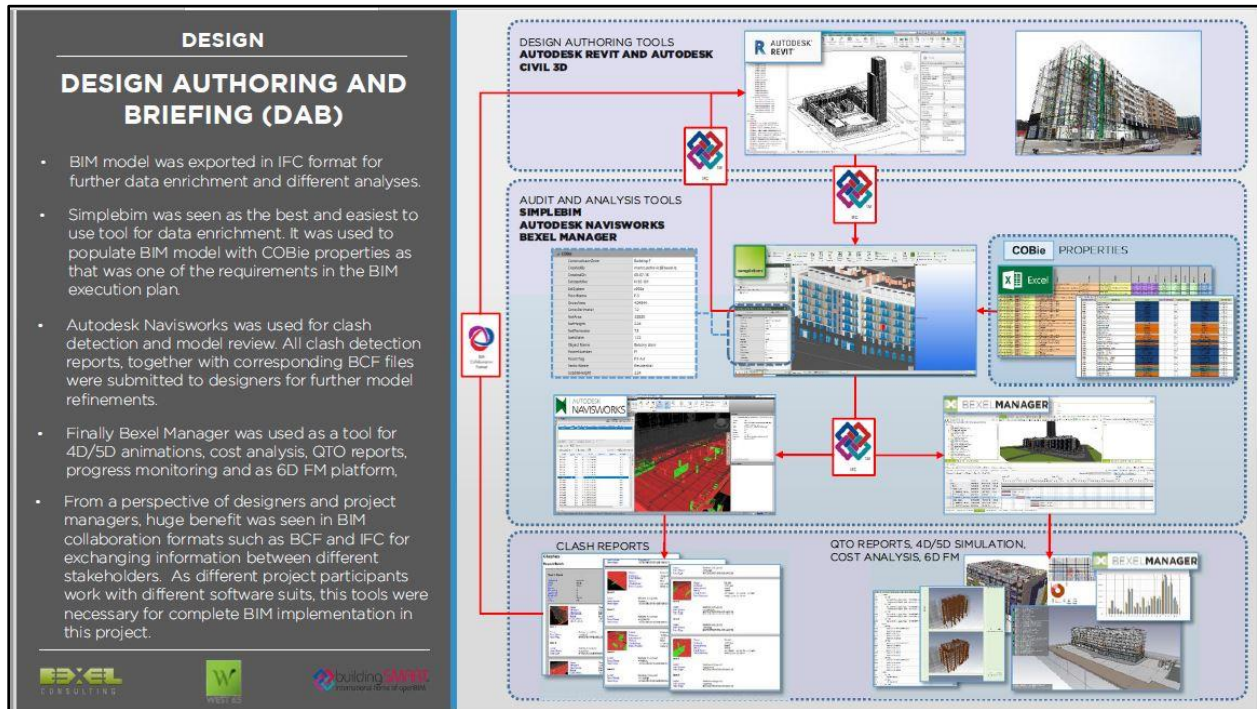


Figure 10: Design Authoring and Briefing – West 65 Project, Serbia

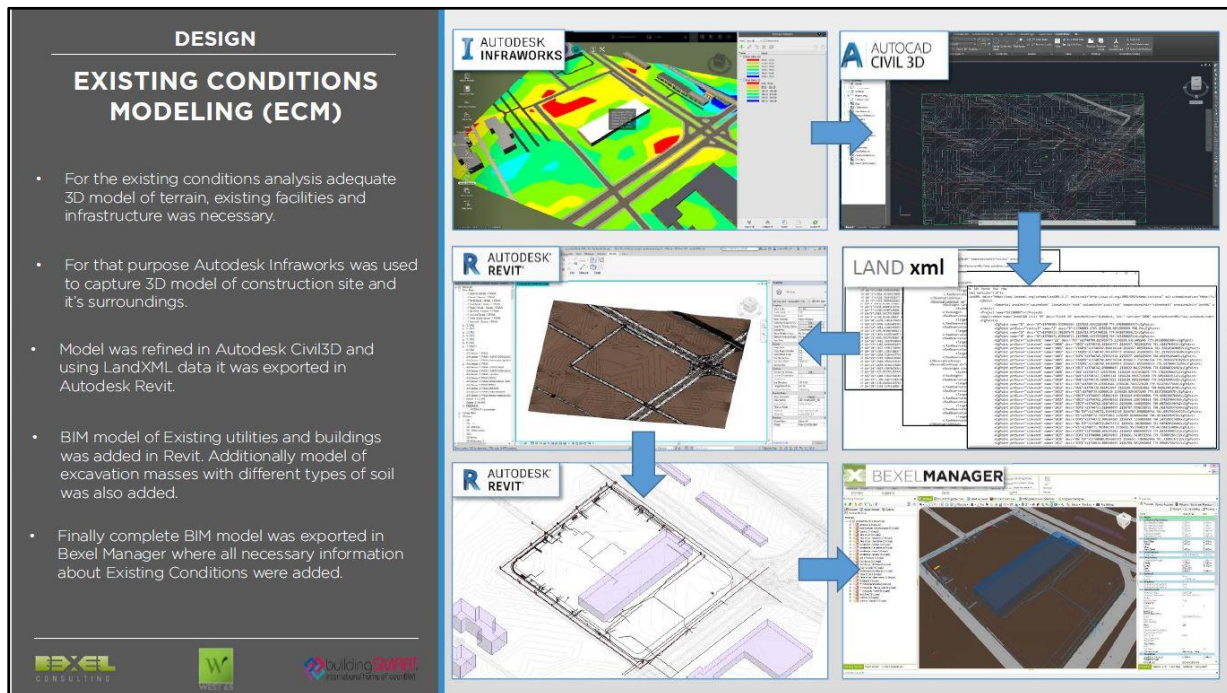


Figure 11: Existing Conditions Modeling – West 65 Project, Serbia

4 Data Stream Delivery

4.1 Data transfer for all software

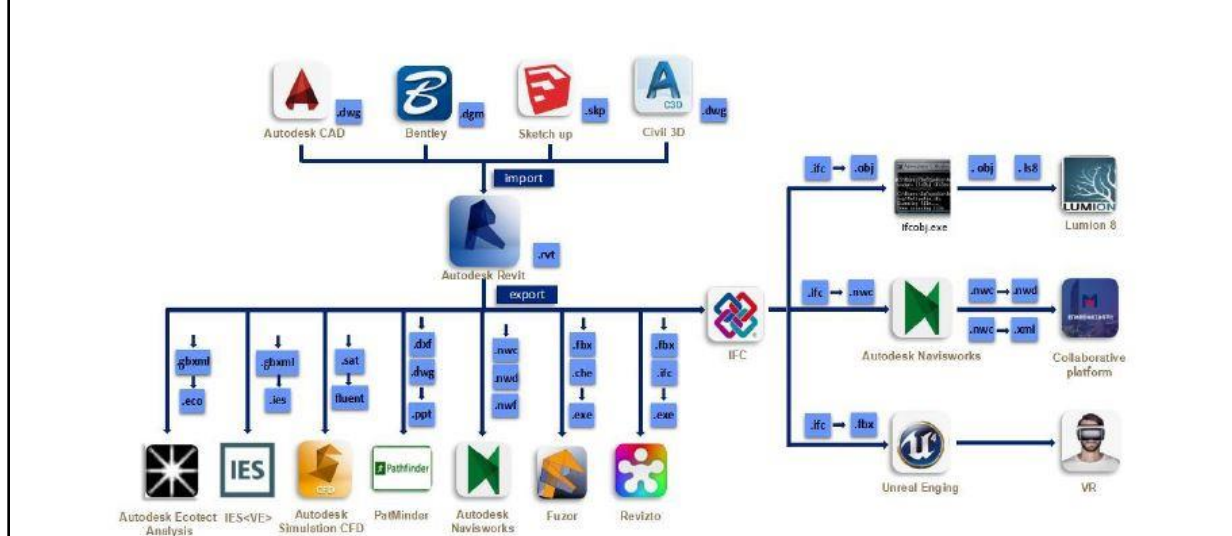


Figure 12: Data Stream Delivery – Xiamen Metro Transit Project, China