

Submission Guide

BUILDINGSMART INTERNATIONAL OPENBIM AWARDS

buildingSMART International
2024 | V1.2

CONTENTS

WELCOME.....	2
OVERVIEW.....	3
WEBSITE.....	3
AWARD CATEGORIES.....	4
CORE REQUIREMENTS.....	4
SHARING & CONFIDENTIALITY AGREEMENTS.....	5
KEY DATES.....	5
WHAT'S NEW IN 2024.....	6
COMPLETING AN ENTRY.....	6
TAILORED CATEGORY APPROACH.....	6
SOFTWARE ECOSYSTEM.....	6
PROCESS MAPS.....	7
ADDITIONAL EVIDENCE.....	7
IFC FILE VIEWER FOR JURY REVIEW.....	7
BSI VALIDATION SERVICE.....	8
USE CASES.....	9
VIEWS AVAILABLE OF PAST ENTRIES.....	9
PLAGIARISM.....	9
RESUBMISSION OF PAST PROJECTS.....	9
JURY PROCESS.....	10
FINALISTS.....	10
AWARDS CEREMONY.....	10
CONTACT.....	10
FREQUENTLY ASKED QUESTIONS.....	10
OPT-IN TO BSI NEWS.....	11
APPENDIX A: MESSAGE TO APPLICANTS.....	12
APPENDIX B: AWARD CATEGORY DEFINITIONS.....	13
APPENDIX C: SAMPLE ATTACHMENT FILES.....	15

WELCOME

Welcome to the buildingSMART International openBIM Awards for 2024! I am delighted to share this submission guide providing all the essential information you need in order to prepare for and execute your submission for this year's awards program. There are a few key updates and new initiatives for 2024 to mention:



BIM + GIS Integration

This year, we've introduced an exciting new criterion for consideration across all submission categories: **BIM (Building Information Modeling) + GIS (Geographic Information Systems)** integration. As the global trend emphasizes collaboration between these disciplines, we encourage you to demonstrate any integration or uses in your submission.

Capturing Business Value Metrics and Qualifiers

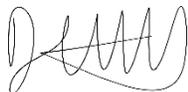
In our ongoing commitment to excellence, we're actively seeking submissions that demonstrate tangible **business value metrics**. Highlight the impact of your work, whether it's increased efficiency, cost savings, or improved decision-making. Quantify your achievements wherever possible.

User Experience and Award Force Platform

The Award Force platform ensures consistency and ease of use. Focus on what truly matters: showcasing your excellence in the use of **openBIM**.

Best of Luck! 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, appearing to read "Dan Little", written in a cursive style.

Dan Little
Program Manager
buildingSMART International openBIM Awards

OVERVIEW

The buildingSMART International openBIM Awards 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

[buildingSMART International openBIM Awards 2024](#)

buildingSMART International's website for the openBIM Awards is the homepage for all awards information and includes access to Award Force - the platform used for both submitting and judging projects. You can also review past winners, finalists, and special mentions.

Also, don't miss reading [APPENDIX A: MESSAGE TO APPLICANTS](#) at the end of this document for more details about the program.

AWARD CATEGORIES

There are four (4) parent categories with a potential total of ten (10) awards to be presented for the 2024 season.



Refer to the website or [APPENDIX B: AWARD CATEGORY DEFINITIONS](#) for detailed definitions and expectations per category. If you are not sure in which category your submission belongs, you can reach out to awards@buildingSMART.org to ask for advice.

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, BIM + GIS 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 use of one or more of buildingSMART's openBIM methods.
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's scope.
5. There is no limit to the number of submissions an individual/company can submit.
6. Past submissions that did not win an award in previous seasons are permitted to resubmit to any new season. Past award winners are not eligible for resubmission in the same category, but may submit to other categories.

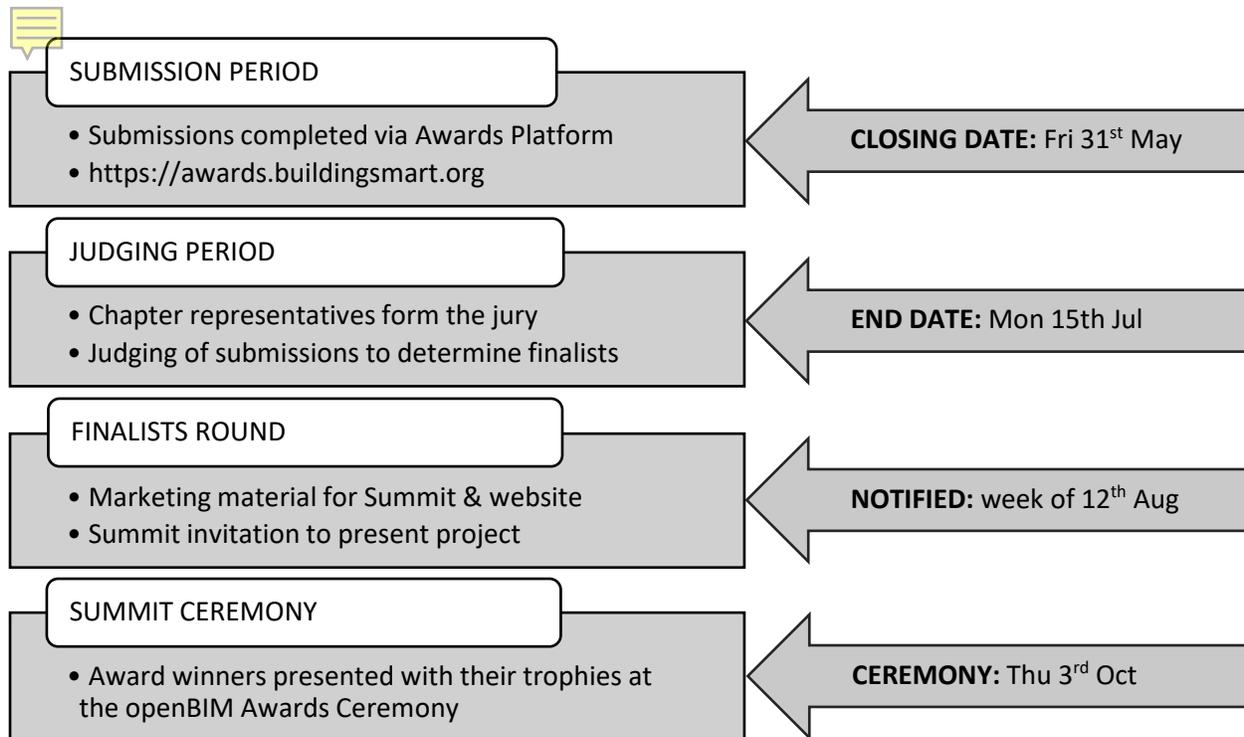
- It is a requirement for applicants to submit IFC model files and/or any other technical file formats as evidence of the claims of the submission.

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 openBIM Awards Yearbook, all of which will be publicly available. The exception to this is any model or other technical file(s) submitted, which will not be shared with the broader community unless express consent has been granted on a case-by-case basis.

KEY DATES

All dates referenced are open until 23:59 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 2024

- New criteria added to all categories:
 - BIM + GIS: Learning from the addition of focusing on sustainability, the awards program is now providing a “BIM + GIS recognition for projects that demonstrate excellent use of both BIM and GIS in their entry.
 - New Program Manager in Dan Little from buildingSMART International, and Program support from Strategic Building Innovation (SBI).

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 profile to be 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 SUCCESSFULLY ENTER THE PROGRAM. 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 has been successfully submitted you will receive an email confirmation from the system.

TAILORED CATEGORY APPROACH

Note that there is a tailored approach within each 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.*

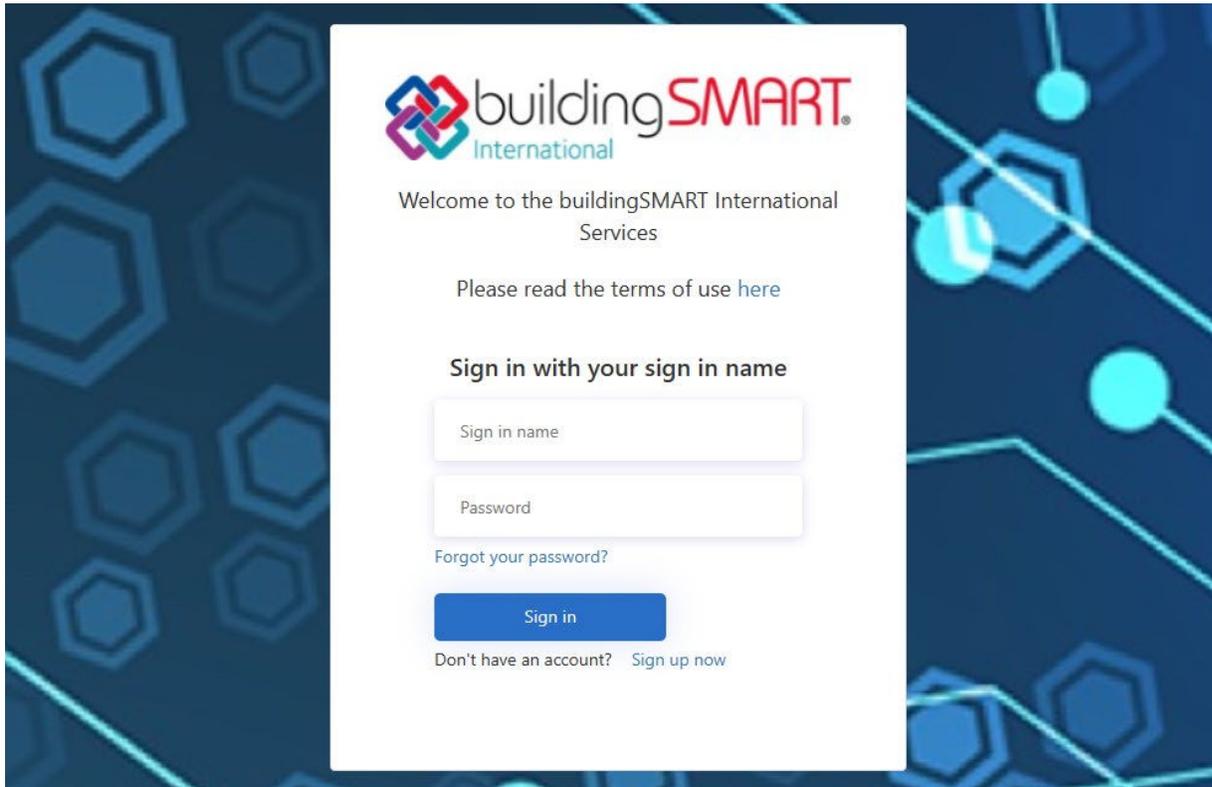
The ACCA viewer is free to use, utilizes an encrypted connection for upload, is username and password protected, and supports several file formats including IFC, BCF, Cloud Points, PDF, DXF, and DWG. Once upload of the file(s) is complete, you will be able to generate a publicly accessible link. A field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

*Submitters can contact awards@buildingsmart.org to request a Box link to which they can upload their IFC file(s) 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/>



<https://ucm.buildingsmart.org>

VIEWS AVAILABLE OF PAST ENTRIES

Submitters can review entry submissions from past years through the Gallery Views in the Award Force 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.

PLAGIARISM

Plagiarism is strictly forbidden and will result in immediate 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

All finalists 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 Awards Ceremony during the buildingSMART International Autumn Summit.

AWARDS CEREMONY

The Awards Ceremony is the event where all winners are announced. It occurs annually during the Autumn Summit. 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 on the website.



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.

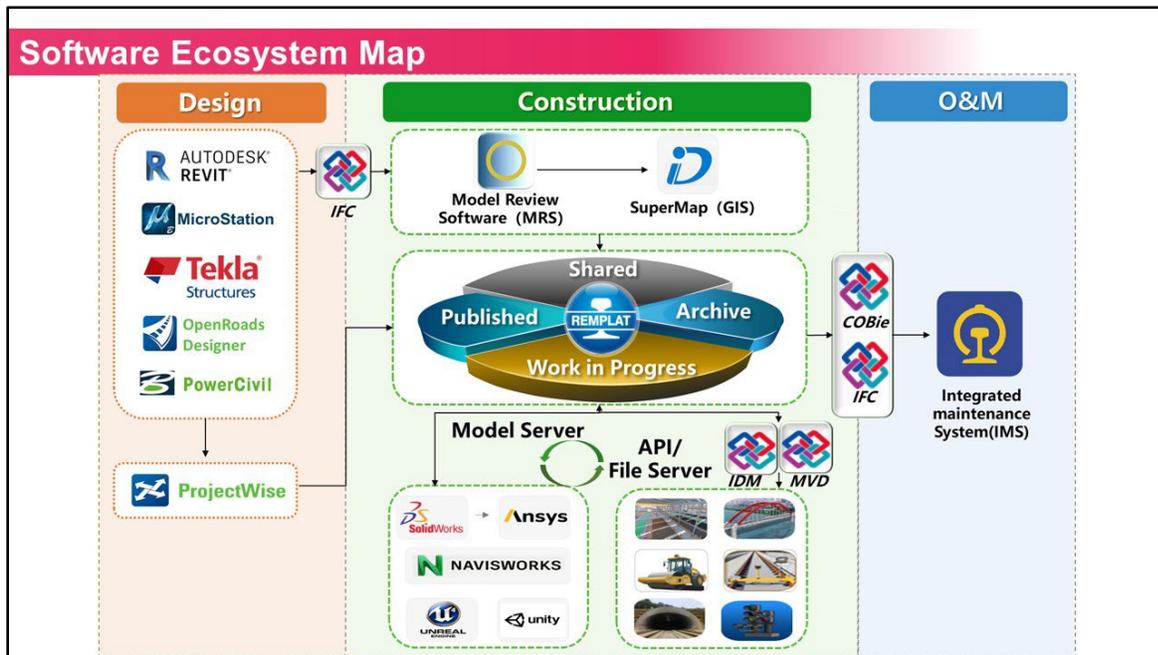


Figure 1: Software Ecosystem Map – Beijing-Zhangjiakou high speed railway, China

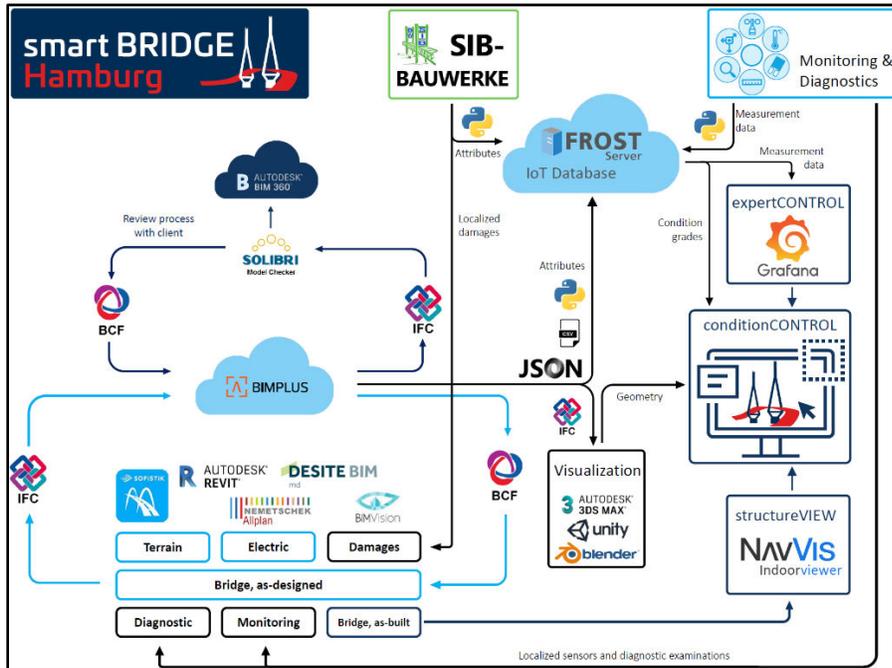


Figure 2: Software Ecosystem Map - smartBRIDGE Hamburg, Germany

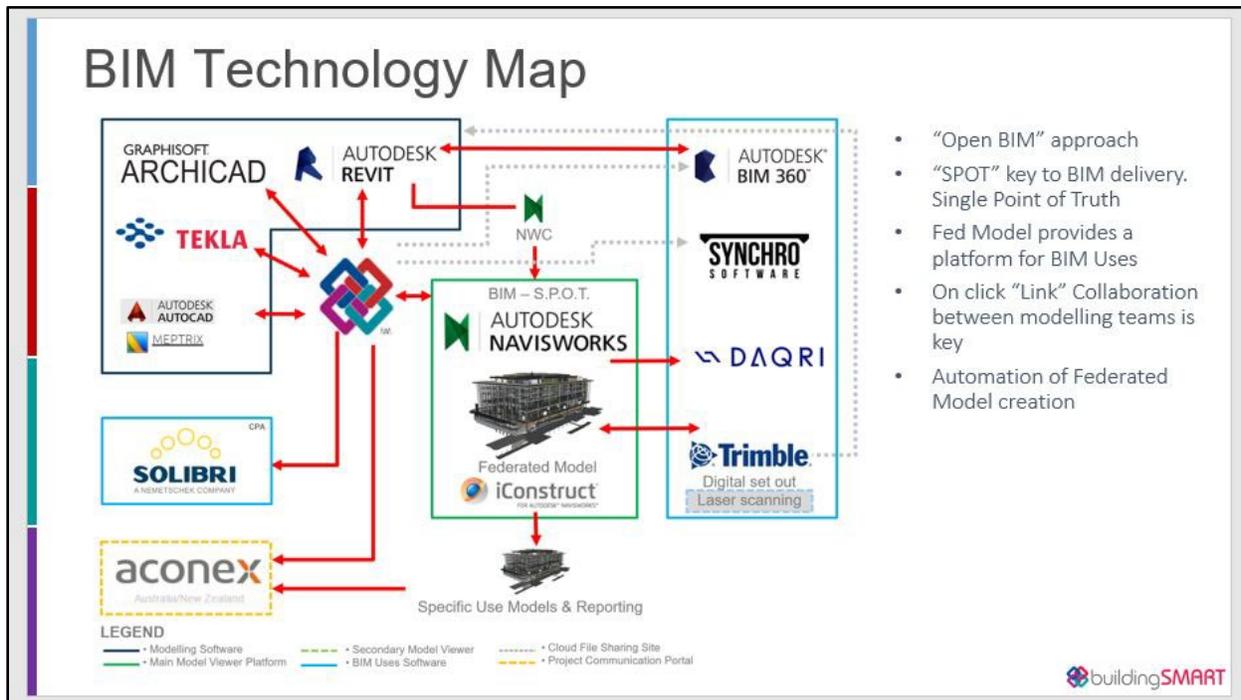


Figure 3: BIM Technology Map – Mercedes Autohaus Project, Australia

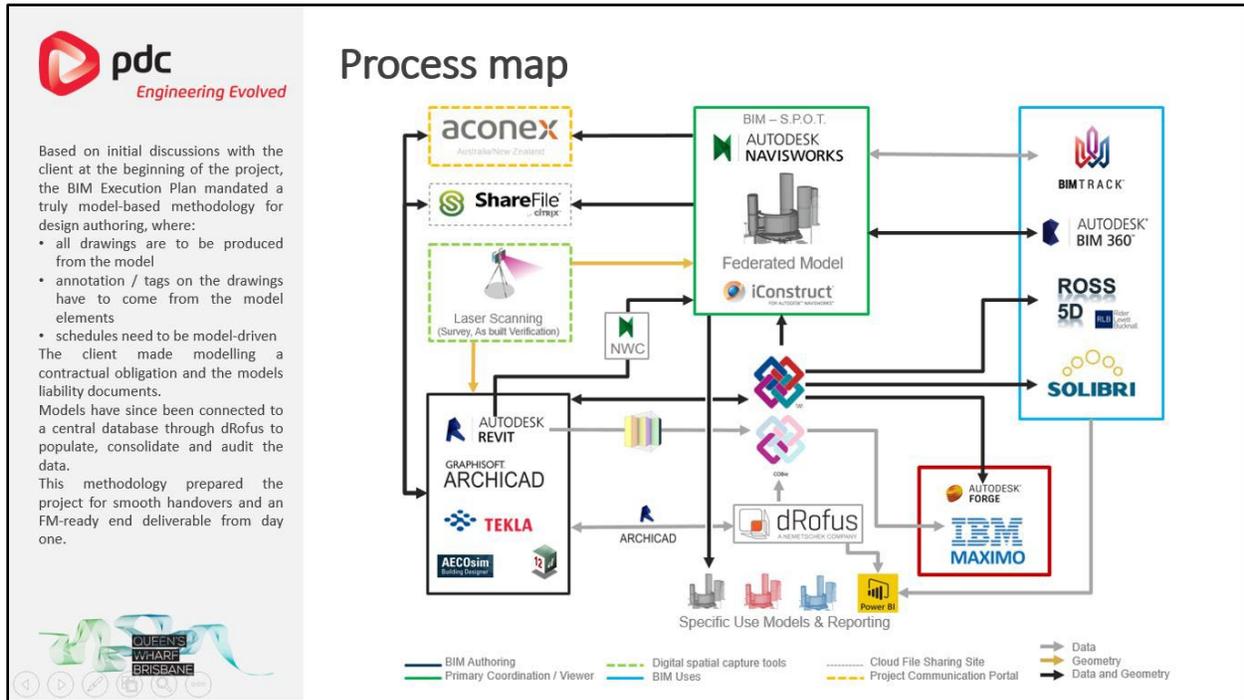


Figure 4: Process Map – Queen’s Wharf Brisbane Project - Australia

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
	Stage 2	MEP Revit	IFC, RVT, DWG, PDF, NWD
		CIVIL Civil 3D	
Sun & shade analysis	Stage 1 T1, T2	Ecotect	JPEG
Clash Detection	Stage 1 T2, T3, T4	Navisworks	NWD, PDF
	Stage 2 T1, T2, T3		
BIM Model for Tender Documents	Stage 1 T4	ARCH Revit	IFC, RVT, PDF, DWG, NWD
	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	Twinmotion	AVI
	Stage 2 T1, T2		
Scheduling for BOQs	Stage 1 T2&3 T4	Revit	RVT
	Stage 2 T1, T2, T3		

- 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

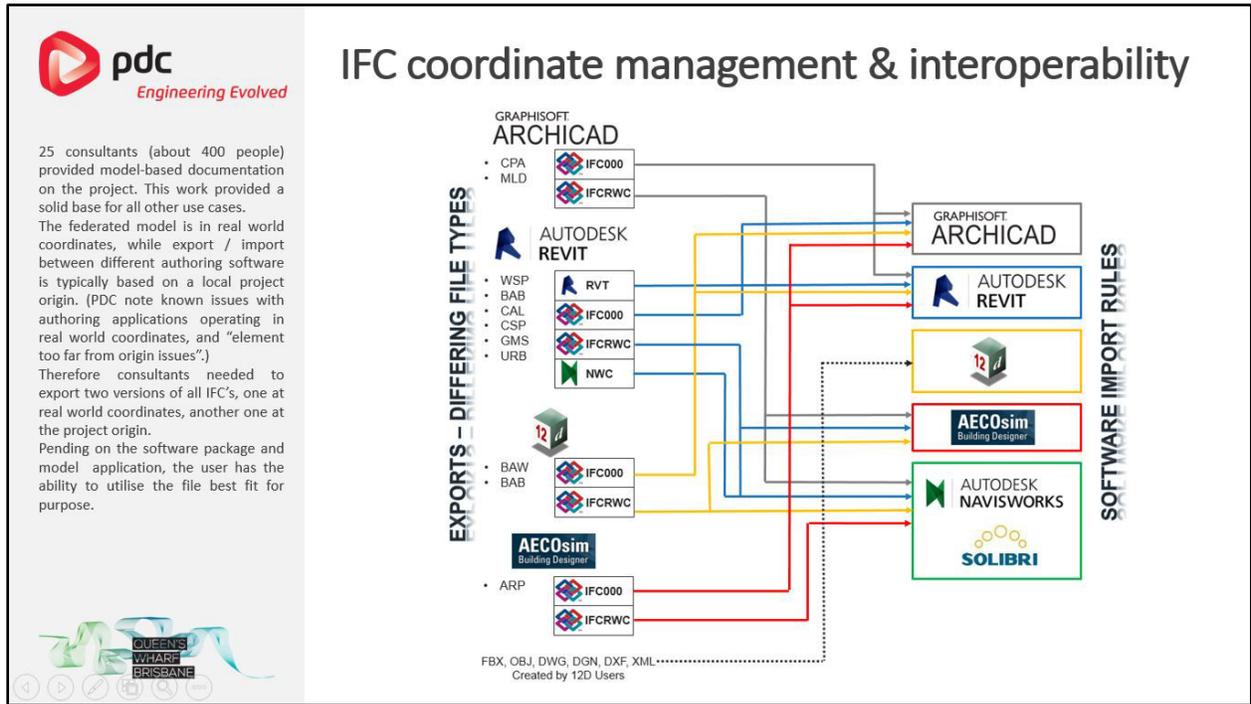


Figure 6: IFC coordinate management & interoperability – Queen’s Wharf Brisbane Project – Australia

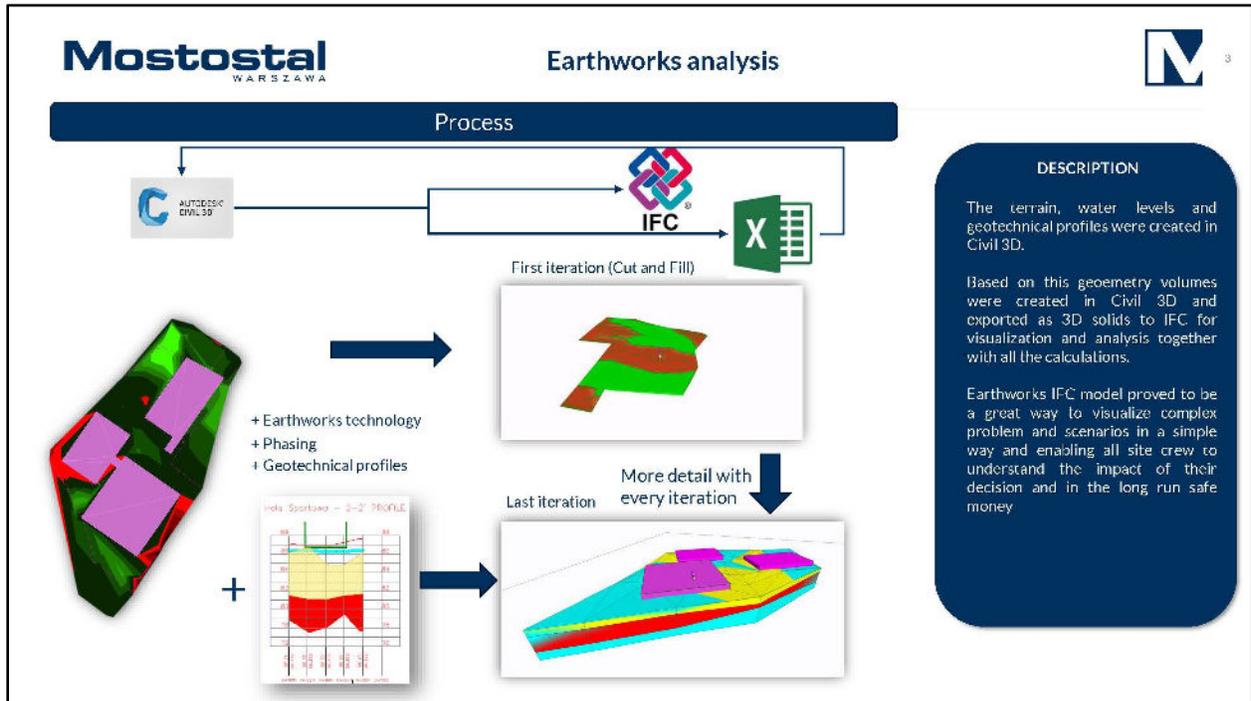


Figure 7: Earthworks analysis – Primary school in Warsaw, Poland

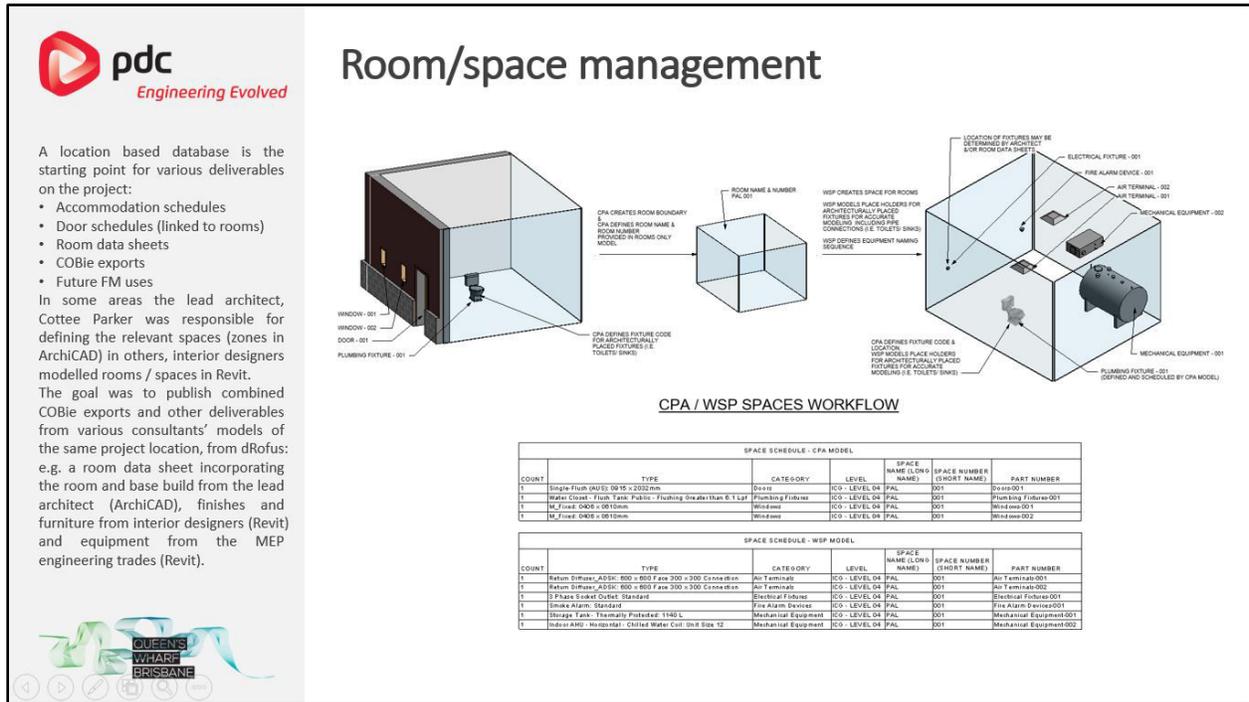


Figure 8: Room/space management – Queen’s Wharf Brisbane Project - Australia

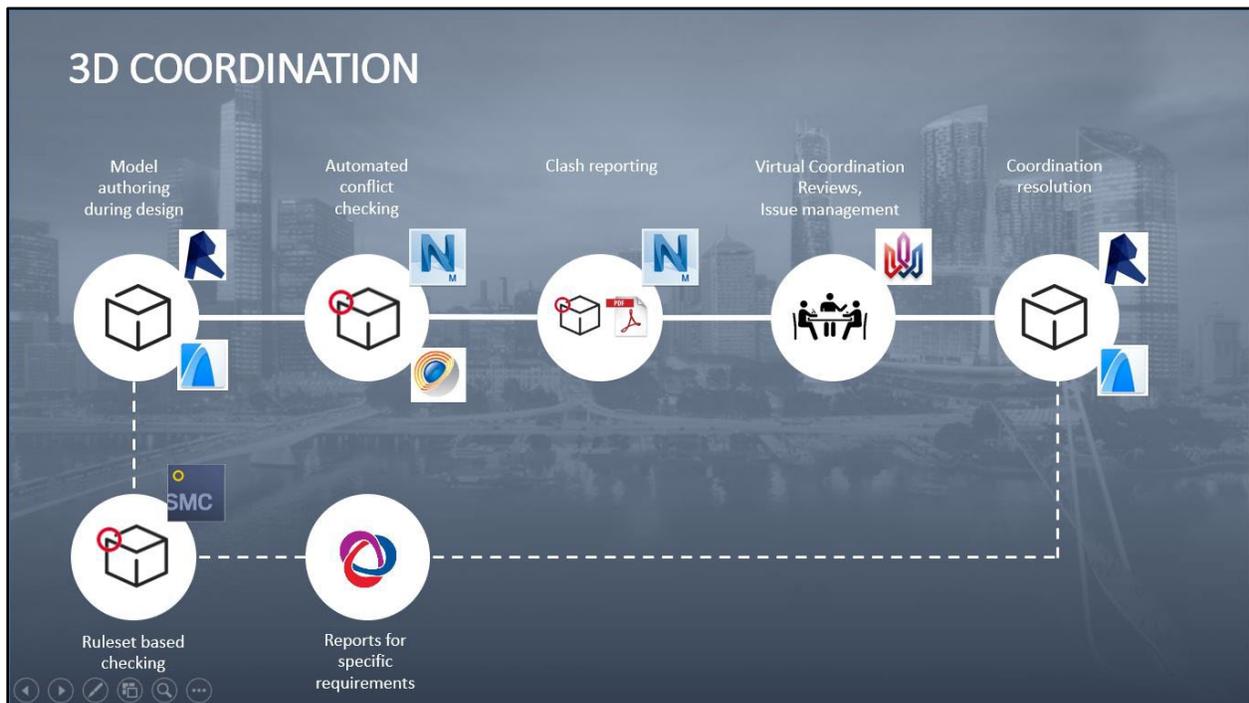


Figure 9: 3D Coordination – Queen’s Wharf Brisbane Project - Australia

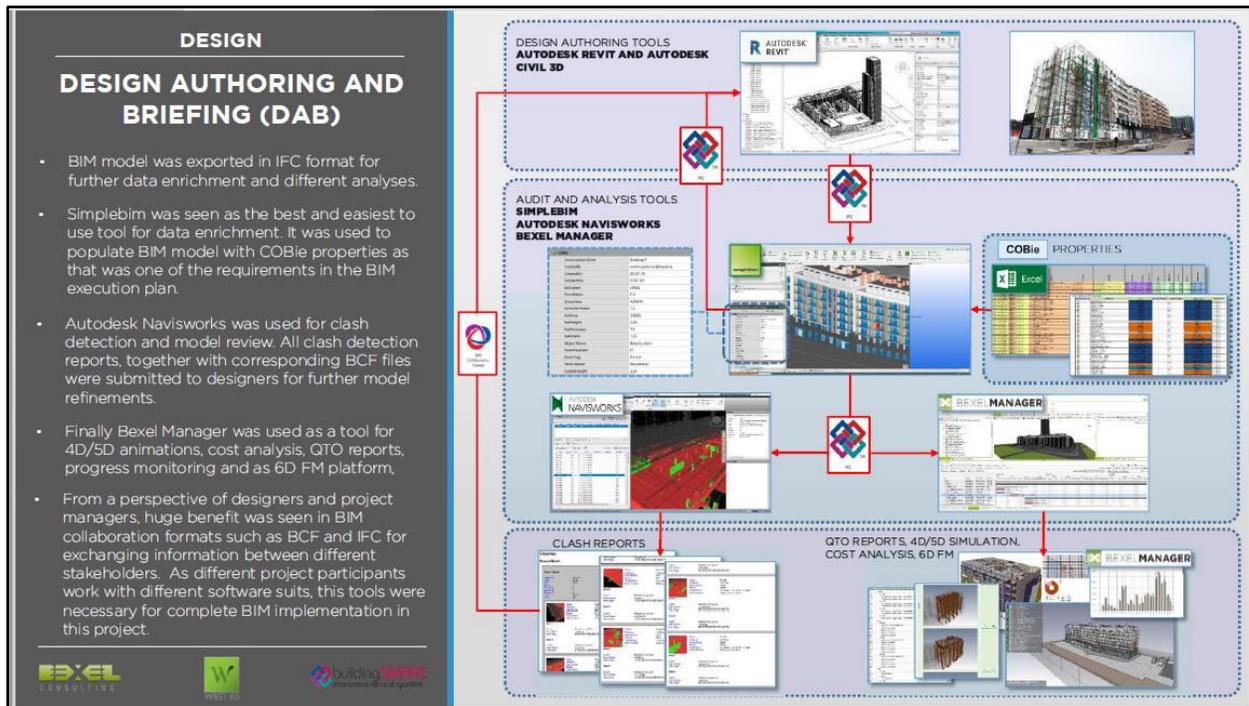


Figure 10: Design Authoring and Briefing – West 65 Project, Serbia

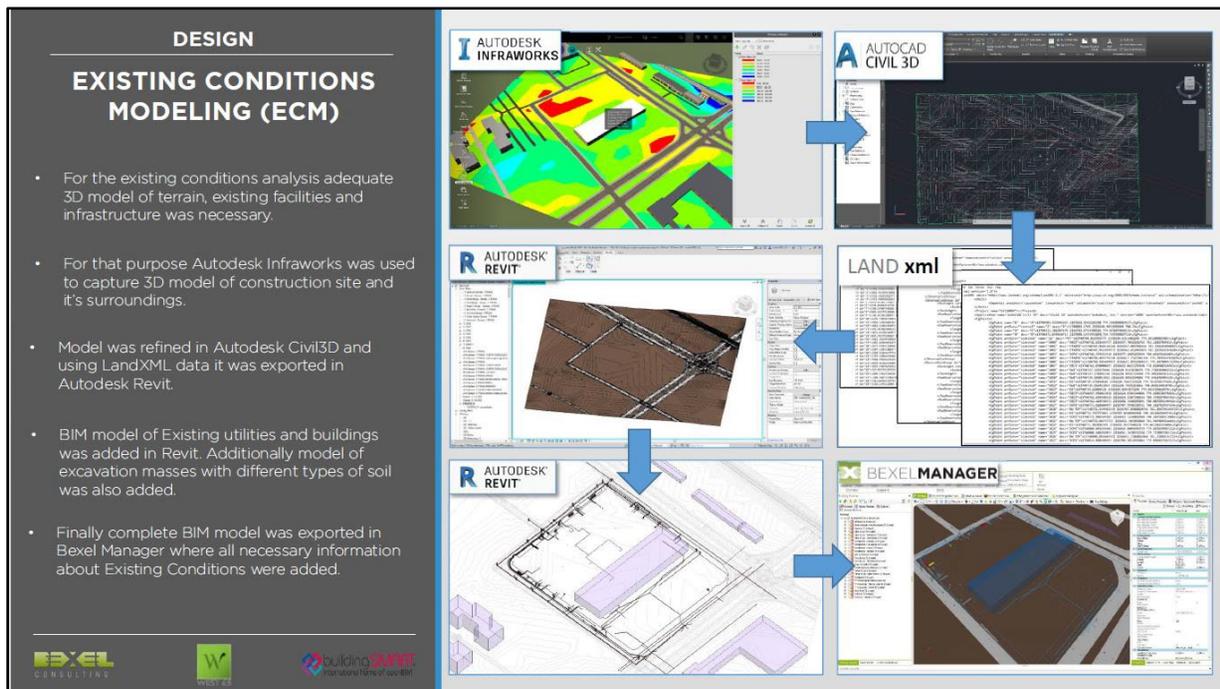


Figure 11: Existing Conditions Modeling – West 65 Project, Serbia

4 Data Stream Delivery

4.1 Data transfer for all software

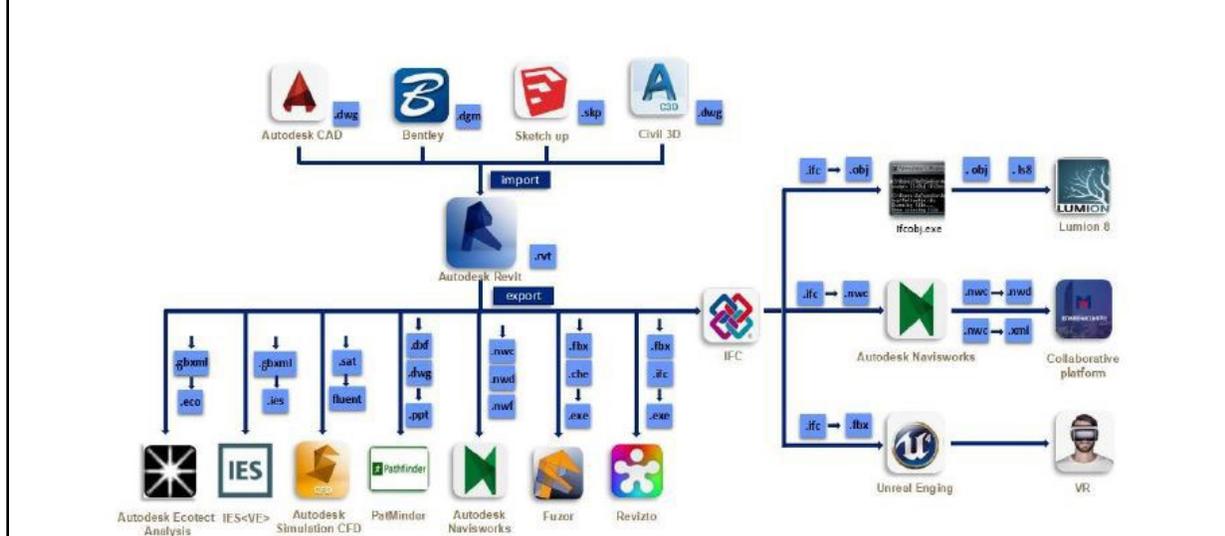


Figure 12: Data Stream Delivery – Xiamen Metro Transit Project, China