



## DDC EXCEL ADD-IN

### community edition

RVT 2015-2024



IFC 2x3



DWG 1983-2023



**The Community DDC Excel plug-in offers** users a seamless solution to open, access and process Revit® (RVT) 2015-2024, AutoCAD® (DWG) 1983-2025 and IFC2x3 parametric files directly in Excel, eliminating the need to install CAD (BIM) software on their computer. The DataDrivenConstruction plug-in, simplifies the extraction and manipulation of data from CAD (BIM) files, providing users with a familiar and efficient working environment.



### The installation process is straightforward:

1. You only need to install the DataDrivenConstruction\_Excel\_XXX.exe application
2. After successful installation go to Excel and open the tab "DataDrivenConstruction"
3. Now to convert your projects select "Revit -> Excel" or (IFC or DWG) and select the project file you want to convert



### Plugin update:

1. Uninstall the previous version via Control Panel
2. Install the new version by running DDC\_Excel\_XXX.exe



### Requirements:

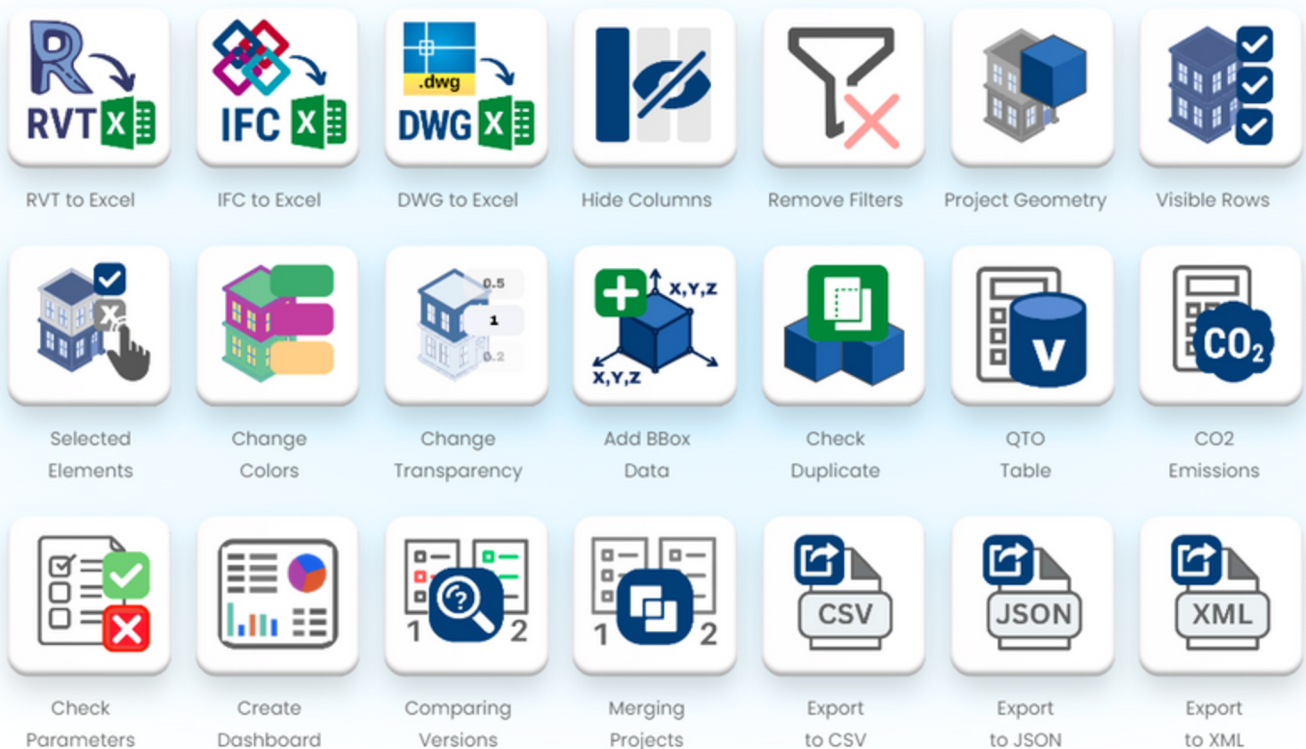
- Windows 10 64bit or Windows 11
- Microsoft Office for Windows (2013 or Later) or MS Office 365



If you encounter any issues, have feedback, or ideas for improvement, feel free to send an email to [info@datadrivenconstruction.io](mailto:info@datadrivenconstruction.io)

 [Detailed description of plugin functions with video instructions](#)

 [Video CAD \(BIM\) Data in Excel: Revit, IFC, DWG](#)



The community version is limited to supporting Revit® (RVT) versions 2015-2024, AutoCAD® (DWG) versions 1983-2023, and IFC2x3. Additionally, advertisements are displayed within the application. If you require the full version without advertisements and with support for all versions, please visit our website: [datadrivenconstruction.io](https://datadrivenconstruction.io)

FULL ACCESS  
TO YOU DATA



PRO version



RVT 2023-2025



IFC 4x1 - 4x3

ad-free



Buy Add-Free  
Excel Plugin

community edition



RVT 2015-2024



DGN V7-V8



IFC 2x3



DWG 1983-2023



download from  
the site without  
registration



## 1 STANDALONE APPLICATION



To extract data from REVIT®, the **simplest tool is the DDC UI converter.**

Start the conversion for RVT projects by specifying a folder with one or several RVT files. There's also an option to include files from subfolders .

Click the "Start" button to begin conversion. The results, Excel files with complete REVIT® file information, will be available in the specified folder.

The **DDC terminal-based converter** quickly extracts data from REVIT® RVT with minimal code.

To initiate the conversion in any folder, open Command Prompt or Power Shell , and simply enter the path of the folder containing the DDC converter, followed by the path of the file to be converted .

```
1. # CMD or PowerShell
2. > C:\DDC\RvtExporter.exe C:\Example.rvt
```

## 2 TERMINAL APPLICATION



## 3 BATCH CONVERSION



## DDC Bulk Conversion

For handling large datasets simultaneously and automated processing

Enables conversion and management of substantial data volumes or integration of the conversion process into workflow and data processing logic

Examples and ready-made code for stream processing can be found in the "DDC\_Pipelines" folder

```
1. import os
2. import subprocess
3. # Path to folder with RvtExporter.exe converter
4. path_conv = r'C:\DDC_2023\'
5. # Path to folder with RVT projects
6. path = r'C:\RevitProjects\'
7. def convert_and_wait(path_conv, exporter_name, file_path, extension):
8.     subprocess.Popen([os.path.join(path_conv, exporter_name), file_path], cwd=path_conv)
9.     output_file = os.path.join(path, f"{os.path.splitext(file)[0]}_{extension}.xlsx")
10.    while not os.path.exists(output_file):
11.        time.sleep(0.5)<br>
12.    # Conversion process from RVT and IFC
13.    for file in os.listdir(path):
14.        full_path = os.path.join(path, file)
15.        if file.endswith('.rvt'):
16.            convert_and_wait(path_conv, 'RvtExporter.exe', full_path, 'rvt')
```



Use open structured data from projects in an unlimited number of tools



## Microsoft Excel

A leading spreadsheet software that allows you to open, edit, and analyze XLSX files. It offers extensive features for data manipulation, analysis, and visualization.



## Jupyter Notebooks

An open-source web application that supports data cleaning and transformation, numerical simulation, statistical modeling, data visualization, and more. It can work with XLSX files through Python libraries like Pandas.



## ChatGPT with Python Integration

This setup allows ChatGPT to use Python libraries like Pandas for handling XLSX files. Users can interact with and manipulate data in XLSX format through conversational commands, making it user-friendly for data analysis and visualization tasks.



## Kaggle cloud-based work environment

It allows users to write and execute Python code, and it supports various Python libraries, including Pandas, for reading and writing XLSX files. Kaggle is widely used for data analysis and modeling, and it's an excellent platform for collaborative projects and learning from a community of data scientists.



## Power BI (Microsoft)

This business analytics tool not only imports XLSX files but also enables users to transform and model their data, creating interactive dashboards and reports that can be shared across an organization for insightful decision-making.



## Pandas (Python Library)

A powerful data analysis and manipulation library for Python. Pandas can read and write DataFrames to and from XLSX files using its `read_excel` and `to_excel` functions.

## Comparative Analysis Structured Data

Feature	Structured Data (XLSX, CSV, DF)	closedBIM and openBIM Tools (e.g., Revit)
Reporting & Visualization	High	Moderate
Customization	High	Moderate
Data Analysis	Robust	Limited
Industry Acceptance	Broad	All
Learning Curve	Moderate	Steep
Automation & Scripting	Yes (VBA & Macros)	No
External Data Integration	High	Moderate
Cost Efficiency	High	Low
Add-ons & Extensions	Wide Range	Limited Range
Collaboration & Sharing	High (MS365)	Structured Environment
Accessibility	Widely Accessible	Specialized Access

## Advantages of switching from .dwg to .xlsx in data processing

- Wide Accessibility
- Quick Reporting and Visualization
- Data Analysis Capabilities
- Broad Acceptance
- Flexibility and Customization
- Ease of Training and Adoption
- Automation and Scripting
- External Data Integration
- Cost Efficiency
- Wide Range of Add-ons
- Collaboration and Sharing



# Users Across the Globe are Transforming Insights with Open Data for Smarter, Faster, and More Efficient Decisions

CAD (BIM)  
data quality

Excel  
Add-in

Date analytics  
in construction



**Dmitri Garbuzenko**  
BIM and AIM Coordinator | RB Rail AS

★★★★★

With the help of Python and especially the pandas library, as the DataDrivenConstruction team does, we are now able to perform delivery checks four times faster.

With the help of Python and especially the pandas library, as the DataDrivenConstruction team does, we are now able to perform delivery checks four times faster. By turning IFC data into a pandas DataFrame and comparing it with quantification tables or classification databases, we have made our expertise fast and reliable.



**Nils Strumberger**  
BIM- Coordinator | Fact GmbH

★★★★★

The DDC (Data Driven Construction) Excel Plugin is a game-changer, transforming proprietary CAD models into open source data frames for seamless integration and AI interaction.

It significantly improves workflows and offers exceptional value for money by saving time and boosting productivity. Highly recommended for people looking to enhance their projects with data-driven insights.



**Abdelrahim (Mohamed) D...**  
BIM Manager | Consolidated Contractors C

★★★★★

DDC converter and Plugin is a fantastic and helpful tool for visualisation and quantification the meta data from Revit. Thanks for sharing such helpful tools!



**Prof. Dr.-Ing. Michael Bühler**  
Co-Owner GemeinWerk Ventures

★★★★★

Be part of the movement with DataDrivenConstruction! Let's make true freedom in data formats a reality and catalyze a new era of productivity and innovation in construction.

The real and necessary journey from closed to "open" formats has not even started: True freedom in data formats —free from proprietary ties and accessible to all—is what we need to unlock innovation and collaboration across the construction industry, particularly benefiting the 99% of construction, i.e. SMEs and unchaining the sector for accelerated growth



**Daniel Glober**  
BIM-Manager | SCHOLZE-THOST GmbH

★★★★★

Revit and IFC reports that used to take me almost weeks to create are now updated in just a few minutes. I was able to quickly understand what the DataDrivenConstruction did and thus extend and modify it to fit projects.

The DataDrivenConstruction team showed me examples of blocks and scripts that can automatically generate PDF, XLSX, and DOCX files that mark errors/defects in the model. Additionally, we also now do automatic checks for IFC structure, file naming, etc.



**Jānis Dzenis**  
BIM Coordinator | Merks, SIA

★★★★★

This is a fantastic tool, haven't seen one like this in a long time. In this era, we have countless tools and methods for creating models, drawings, tables, and other forms of data.

The DDC Excel plugin provides me with the capability to manage information in alternative ways.



**Mohamed Touati**  
Principal Data Scientist at Pixemantic

★★★★★

As a data scientist, I use data every day in every topic and field and think that data can appear in one format to make it easier to use and explore.

After I tried the DDC converter, it became the only solution for me to manage and convert all BIM documents. Thanks to DataDrivenConstruction, I can now work with all IFC and Revit files automatically without having to upload files to the server.



**Marie Annette Kittus**  
BIM Manager | Esttareaal solutions

★★★★★

Be part of the movement with DataDrivenConstruction! Let's make true freedom in data formats a reality and catalyze a new era of productivity and innovation in construction.

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**Valerio Spini**  
Settore RVCS

★★★★★

Great experience: Until now, I used to open IFC files in Blocknote to check the parameters and their structure.

Thanks to the DataDrivenConstruction converter I can check the parameters and see their structure directly in MS Excel in an orderly and SMART way, amazing!



**Vinod Kumar**  
BIM Manager | Esttareaal solutions

★★★★★

DataDrivenConstruction approach is truly revolutionary and has the potential to transform the construction industry. It's amazing to see how you are empowering users to work with structured data in a user-friendly way, leveraging the power of Excel and open-source tools.

I'm sure that your Excel plugin and data management solutions will be a game-changer for construction projects. Keep up the fantastic work!



**Irina Fischer**  
BIM Coordinator | OBERMEYER Group

★★★★★

The decision to use Jupyter Notebook for results verification turned out to be highly beneficial. Our experience with solutions from Data Driven Construction and Jupyter Notebook has been extremely positive.

Overall, the integration of solutions from Data Driven Construction and Jupyter Notebook has greatly improved our workflows. Their combined capabilities and performance have not only optimized data processing, but also produced meaningful results, making them highly recommended tools.



**Nicolas Merot**  
Ingénieur BIM | Caeli Ingénierie


★★★★★


DataDrivenConstruction products revolutionize data management in construction! Their IFC and RVT to Excel converters enable smooth data analysis and extraction, optimizing project management and documentation.

A powerful, user-friendly solution for construction professionals

Data filling  
in CAD (BIM)

LLM for  
CAD (BIM)



Move to **BIM level 3** where only data and processes remain and where  your **data is yours**

# data-driven construction.io

Unlock the full potential of your construction projects with our specialized consulting services at DataDrivenConstruction.io. Our expertise in CAD (BIM) data integration and management transforms your workflow efficiency and decision-making process.

## What We Offer



### Customized Data Strategies

Tailored solutions for data collection, management, and analysis that fit your specific project requirements



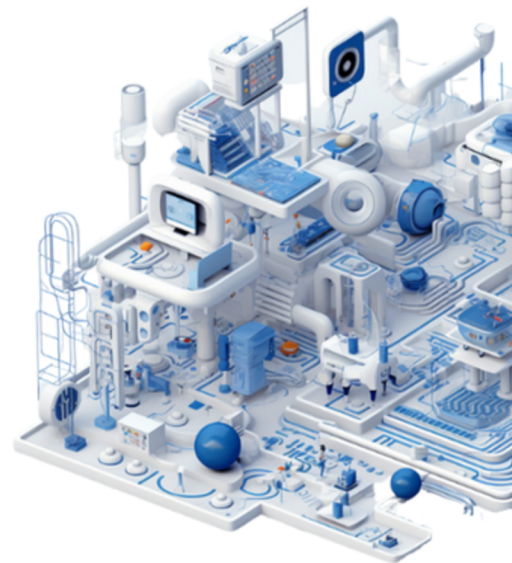
### CAD Conversion and Integration

Streamline your project documentation with our advanced CAD conversion tools, making data easily accessible and usable



### Training and Support

Empower your team with the knowledge to leverage BIM data, enhancing productivity and innovation



## Your Benefits

### Reduce Costs and Save Time

Our strategies optimize resource allocation and project timelines



### Enhanced Decision Making

With better data at your fingertips, make more informed decisions that lead to successful project outcomes



### Competitive Edge

Stay ahead in the industry with cutting-edge data practices that set your projects apart



**Transform your approach with  
DataDrivenConstruction and lead  
your projects to success with data!**

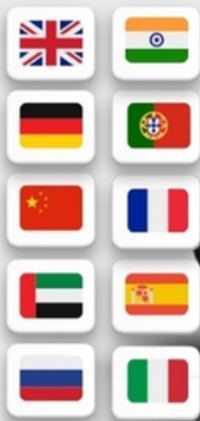


Greater Karlsruhe Area.  
Obergrombacher Str. 31, 76646 Bruchsal  
+49 (0152) 58901584  
info@datadrivenconstruction.io



# DataDrivenConstruction Guidebook

## Navigating the Data Age in the Construction Industry



Don't miss  
your chance  
to enter a  
new era






**Martin Loureiro-Barrientos**  
BIM Coordinator | Populous, London

★★★★★

Probably the most interesting book of the last two years that I know of. Required reading to break free from the 'matrix' perpetuated by software vendors, this book delves into how emerging tools like artificial intelligence offer fresh opportunities for data management without extensive technical expertise, poised to revolutionize even the most antiquated sectors like construction.

With flawless translation and mind-bending graphics, it's a must-read. Eagerly anticipating the sequel. Very good buy in my opinion...

I will read it again and waiting for the second part!




**Paul Ransley**  
PLU Systems Engineer | Transport for London

★★★★★

I highly recommend Artem's book that addresses, as the title says, a data driven information management approach for AECO. I am currently using it to help initiate a number of discussions with various groups. I have found it a very accessible reference.

As well as a thorough overview of the history context of tools in AECO, data and introducing several key technologies the book contains a number of very useful diagrams, that outline the scope of data sources and end user artefacts, common database types encountered, applications working on that data and output artefacts in organisations or projects, with sample workflows.

It strikes me that these are the types of diagrams we need more of when developing and monitoring information strategies and contribute to BEP's - defining the overall enterprise data model onto which the boundary for a PIM and AIM can be overlaid.



**Pierpaolo Vergati**  
Senior Construction Project Manager | Finc


★★★★★

For anyone in the construction industry, from rookies to seasoned pros, this book is a game-changer! It's not your typical dusty read—it's packed with insights, strategies, and a touch of humor to keep you engaged. From ancient data recording methods to cutting-edge digital technologies, it covers the evolution of data usage in construction.

It's like taking a time machine through the evolution of construction data—minus the volkswagen capacitor.

And shoutout to Artem Boiko, our "Doc E. Brown", for crafting this data-packed journey!

Whether you're an architect, engineer, project manager or data analyst, this comprehensive guide will revolutionize the way you approach projects. Get ready to optimize processes, enhance decision-making, and manage projects like never before!



**Salih Offuoglu**  
Antalya Bilim University | Dean, Faculty of...


★★★★★

I think that the book addresses a significant, contemporary topic relevant to the construction industry. As it was also emphasized in the book, information is a crucial asset for the construction sector, and having it in accessible formats greatly facilitates accurate decision-making and expedites project timelines.

The book offers a neutral and efficient approach to accessing and taking advantage of this source in decision-making. The methodology presented in the book leverages a contemporary approach that combines artificial intelligence-driven programming with accessible open-source tools.

By harnessing the power of AI and utilizing open-source software, the methodology aims to enhance automation, optimize processes, and promote accessibility and collaboration within the field. The language of the book is clear and easy to follow.

Congratulations on the quality work! I have enjoyed reading it. Wishing you continued success as well.



**Natasha Prinsloo**  
BIM Coordinator | energlabs UK

★★★★★

All I can say is, WOW! The way you incorporated history, ChatGPT, the graphics, and the overall ease of understanding your points is truly remarkable. The flow of the book is amazing.

There are so many brilliant aspects to this book; it's genuinely a game-changer. It's a great source of information, and I commend you for the effort and passion you've put into it. Congratulations on creating such a remarkable work. I could go on, but suffice it to say, I'm incredibly impressed!

