



# DDC DWG CONVERTER

community edition

DWG 1983-2023



+ ads



[Download for free  
without registration](#)



The **Community DDC DWG converter** allows you to **access your DWG projects** and translate this data into popular and open format XLSX. Using the converter, without running Autodesk® tools and without using the Internet (without third-party libraries and plugins), we extract project data from DWG files and present the DWG database as a structured Excel table, where each row represents a specific project element (with its own identifier), and columns represent related properties and parameters.

**POST-CONVERSION  
DATA PROCESSING  
IN A LARGE NUMBER  
OF TOOLS**



Excel



PowerBI



Sheets



Google Colab



Python



Kaggle



Pandas



ChatGPT



## Requirements:

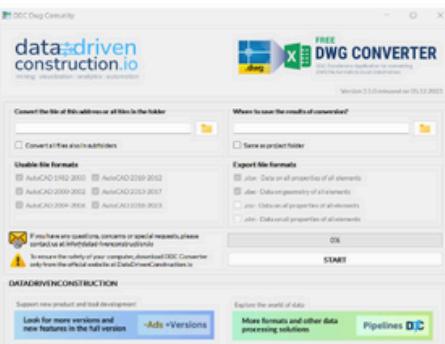
- Windows 7, Windows 8, Windows 8.1, Windows 10, Windows 11, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019
- Internet Connection: Not required
- Independence: No reliance on Forge or other CAD (BIM) Tools



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)

# OPTIONS FOR USING THE DDC CONVERTER

## 1 STANDALONE APPLICATION

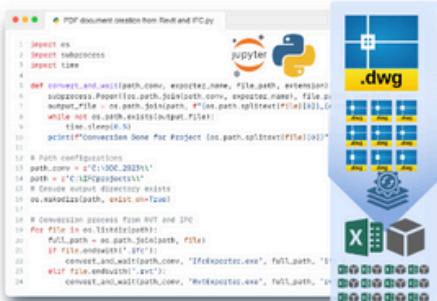


The **DDC terminal-based converter** quickly extracts data from AutoCAD DWG with minimal code.

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\DwgExporter.exe C:\Example.dwg
```

## 3 BATCH CONVERSION



```
1. import os
2. import subprocess
3. # Path to folder with DwgExporter.exe converter
4. path_conv = r'C:\DDC_2023\\'
5. # Path to folder with DWG projects
6. path = r'C:\DWGprojects\\'
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('.dwg'):
16.            convert_and_wait(path_conv, 'DwgExporter.exe', full_path, 'dwg')
```

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

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

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

## 2 TERMINAL APPLICATION



## 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



# Use data from DWG 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.



## 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.



## 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.



## 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 OpenPyXL.



## 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.



## 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	Slope
Automation & Scripting	Yes (VBA & Macros)	None
External Data Integration	High	Moderate
Cost Efficiency	High	Very High
Add-ons & Extensions	Wide Range	None
Collaboration & Sharing	High (IM360)	Structured Environment
Accessibility	Widely Accessible	Specialized Access

## Advantages of switching from DWG to Data in data processing

### Wide Accessibility

Quick Reporting and Visualization

Data Analysis Capabilities

Broad Acceptance

Flexibility and Customization

Ease of Training and Adoption

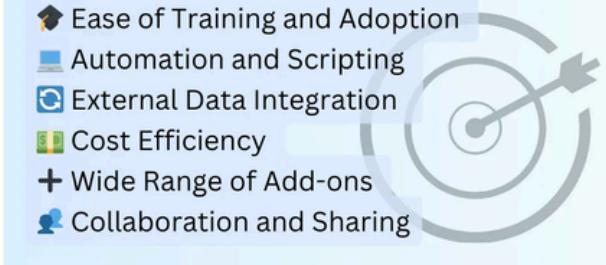
Automation and Scripting

External Data Integration

Cost Efficiency

Wide Range of Add-ons

Collaboration and Sharing





Pro Plus

**\$280**

one time



Plugin version with latest format versions and  
no ads after the conversion process

**BUY Pro Plus**

AutoCAD® (DWG) 1983-2023

Number of files not limited

Max. size unlimited

Lifetime

Support

No Ads

**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...

[Read more](#)**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 thu...

[Read more](#)**Vinod Kumar**

BIM Manager | Esttareal 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 t...

[Read more](#)**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 parameter...

[Read more](#)**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....

[Read more](#)**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...

[Read more](#)



# DDC EXCEL ADD-IN

[🔗 Download for free without registration](#)

community edition

RVT 2015-2022



IFC 2x3



DWG 1983-2021



RVT to Excel	IFC to Excel	DWG to Excel	Hide Columns	Remove Filters	Project Geometry	Visible Rows
Selected Elements	Change Colors	Change Transparency	Add BBox Data	Check Duplicate	QTO Table	CO2 Emissions
Check Parameters	Create Dashboard	Comparing Versions	Merging Projects	Export to CSV	Export to JSON	Export to XML

## DDC GUIDEBOOK



~80 MOST IMPORTANT TOPICS ON DATA MANAGEMENT IN CONSTRUCTION

management  
systems  
processes  
process  
structured  
construction  
ChatGPT  
project  
processing  
systems  
process  
information  
BIM  
information  
time  
structured  
ChatGPT  
tools  
cost decisions  
business  
formats  
requirements

~40 PRACTICAL PROBLEMS SOLVED



210 UNIQUE ILLUSTRATIONS



**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 boo...

[Read more](#)



**Paul Ransley**  
PLU Systems Engineer | Transport for London (TfL)



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 initiat...

[Read more](#)



**Pierpaolo Vergati**  
Senior Construction Project Manager | Fintecna S.p.A.



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...

[Read more](#)