

Excel to Metrel ESM file converter

Welcome!

This tool will help you convert your data in a .xlsx (Excel) file format to Metrel .padfx file format. You can then easily edit and/or view your data using the Metrel ES Manager or Metrel SDK software.

Continue

Excel to Metrel ESM file converter instructions



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1 Dashboard screen

Wizard

General Settings

Number of lines to skip from top	:	<input type="text" value="0"/>
Master Work scope	:	<input type="text" value="Safety of Electrical Equipment I"/>
Child Work scope	:	<input type="text" value="PAT (new instruments)"/>

Structure objects Settings

>_ Node	Structure object type:	<input type="text" value="Node"/>
---------	------------------------	-----------------------------------

Row Settings

Structure object type	:	<input type="text" value="Appliance_FD"/>
-----------------------	---	---

Parameter links

Parameter	:	<input type="text" value="Appliance ID"/>
Column letter	:	<input type="text" value="A"/>
Allow null or empty	:	<input type="text" value="False"/>
Column type	:	<input type="text" value="Text"/>

Add new...

Load configuration

Save configuration

Select an excel file and start conversion

Figure 1 Dashboard screen of web service wizard - fixed part

General Settings	
Enables basic settings for creation of .padfx files.	
Number of lines to skip from top	Defines how many lines in the excel file will be skipped (starting, line 1).
Master Work scope	Defines the master and child Work scope for created .padfx file. Correct Work scope must be selected in order to enable files transfer to the desired instrument.
Child Work scope	
Structure objects Settings	
Enables the creation of a basic structure, where the structural elements with relevant data will be imported.	
Structure object type	Enables selection of corresponding structural elements for the relevant structural level.
Row Settings	
Enables to define data structure from excel file, to be linked to the corresponding parameters of the selected structural element.	
<i>Parameter links</i>	
Each configuration is corresponding to relevant column from source excel file.	
Parameter	Enables selection of parameter linked to the corresponding structural element. Each parameter can be linked only to one column letter in the source excel file.
Column letter	Defines the column in the source excel file.
Allow null or empty	Defines criteria for specific cell. <u>True</u> = allows empty cells in specific column. <u>False</u> = forbids empty cells in specific column.
Column type	Defines criteria for specific cell. <u>Text</u> = cell data can contain letters, numbers, and special characters such as ! or &. <u>Date & time</u> = cell data shall be in following format <i>dd.mm.yyyy hh:mm:ss</i> .
Add new...	Allows adding of the set parameters to the list.
Load configuration	Enables to load user configuration from file.
Save configuration	Enables to save set configuration to file.
Select an excel file and start conversion	Enables selection of source excel file, conversion to .padfx is started automatically if no exceptions are found.

Parameter

:

Group

▼

Column letter

:

Allow null or empty

:

True

▼

Column type

:

Text

▼

Add new...

Parameter ID

:

Producer / Make [Id: 198]

🗑️

Column letter

:

D

Allow null or empty

:

True

Column type

:

Text

Parameter ID

:

Inventory No. [Id: 193]

🗑️

Column letter

:

C

Allow null or empty

:

True

Column type

:

Text

Parameter ID

:

Name [Id: 195]

🗑️

Column letter

:

B

Allow null or empty

:

True

Column type

:

Text

Parameter ID

:

Appliance ID [Id: 194]

🗑️

Column letter

:

A

Allow null or empty

:

True

Column type

:

Text

Figure 2 Dashboard screen of web service wizard - user defined part

<div> <div>Parameter ID</div> <div>:</div> <div>Producer / Make [Id: 198]</div> <div>🗑️</div> </div> <div> <div>Column letter</div> <div>:</div> <div>D</div> </div> <div> <div>Allow null or empty</div> <div>:</div> <div>True</div> </div> <div> <div>Column type</div> <div>:</div> <div>Text</div> </div>	A field with user-set parameters, each section defines its own column in excel.
<div>🗑️</div>	Allows removal of specific section.

2 Importing example

First prepare the excel file, put the data into the correct format. Data shall be arranged in columns, all cells except dates shall be categorized as General. Cells containing dates shall be categorized as Date and formatted as *dd.mm.yyyy*.

	A	B	C	D	E	F	G
1	ID number	Name	Inventory number	Producer / Make	Test Date	Retest period (in months)	Next Test
2	ID = 194	ID = 195	ID = 196	ID = 198	ID = 261	ID = 215	ID = 257
3	12830	Agregat malarski GX 21	HDGDD66111DDD	GRACO	15.3.2021	12	15.3.2022
4	12831	Agregat malarski GX 21	HSJNNCD5515457	GRACO	15.3.2021	12	15.3.2022
5	12832	Agregat malarski GX 21	JDBZZG545D455D	GRACO	15.3.2021	12	15.3.2022
6	12833	Agregat malarski GX 21	HSJNNCD5515455	GRACO	15.3.2021	12	15.3.2022
7	12834	Agregat malarski GX 21	HSJNNCD5515112	GRACO	16.3.2021	12	16.3.2022
8	12835	Agregat malarski GX 21	A21B17G183030295	GRACO	17.3.2021	12	17.3.2022
9	12836	Agregat malarski GX 21	L20B17G183029724	GRACO	16.3.2021	12	16.3.2022
10	12837	Agregat malarski GX 21	A21B17G183030328	GRACO	17.3.2021	12	17.3.2022
11	12838	Agregat malarski GX 21	L20B17G183029911	GRACO	16.3.2021	12	16.3.2022
12	12839	Agregat malarski GX 21	A21B17G183030814	GRACO	17.3.2021	12	17.3.2022
13	12840	Agregat malarski GX 21	A21B17G183030809	GRACO	17.3.2021	12	17.3.2022
14	12841	Agregat malarski GX 21	A21B17G183030597	GRACO	15.3.2021	12	15.3.2022
15	12875	Agregat malarski GX 21	C21B17G183033207	GRACO	15.3.2021	12	15.3.2022
16	12876	Agregat malarski GX 21	C21B17G183033211	GRACO	15.3.2021	12	15.3.2022
17	12877	Agregat malarski GX 21	C21B17G183033208	GRACO	15.3.2021	12	15.3.2022
18	12878	Agregat malarski GX 21	C21B17G183033205	GRACO	16.3.2021	12	16.3.2022
19	12879	Agregat malarski GX 21	D21B17G183035332	GRACO	17.3.2021	12	17.3.2022
20	12880	Agregat malarski GX 21	C21B17G183033198	GRACO	16.3.2021	12	16.3.2022
21	12881	Agregat malarski GX 21	C21B17G183033193	GRACO	17.3.2021	12	17.3.2022
22	12882	Agregat malarski GX 21	C21B17G183033212	GRACO	16.3.2021	12	16.3.2022
23	12883	Agregat malarski GX 21	C21B17G183033210	GRACO	17.3.2021	12	17.3.2022
24	12884	Agregat malarski GX 21	C21B17G183033206	GRACO	17.3.2021	12	17.3.2022
25	12885	Agregat malarski GX 21	C21B17G183033075	GRACO	15.3.2021	12	15.3.2022
26	12886	Agregat malarski GX 21	C21B17G183033204	GRACO	15.3.2021	12	15.3.2022
27	13079	Agregat malarski GX 21	L20B17G183030091	GRACO	15.3.2021	12	15.3.2022
28	13082	Agregat malarski GX 21	C21B17G183033202	GRACO	15.3.2021	12	15.3.2022

Parameter ID	: Next test [Id: 257]	
Column letter	: G	
Allow null or empty	: True	
Column type	: Date & Time	

Parameter ID	: Retest period (in months) [Id: 215]	
Column letter	: F	
Allow null or empty	: True	
Column type	: Text	

Parameter ID	: Test date [Id: 261]	
Column letter	: E	
Allow null or empty	: True	
Column type	: Date & Time	

Parameter ID	: Producer / Make [Id: 198]	
Column letter	: D	
Allow null or empty	: True	
Column type	: Text	

Parameter ID	: Inventory No. [Id: 193]	
Column letter	: C	
Allow null or empty	: True	
Column type	: Text	

Parameter ID	: Name [Id: 195]	
Column letter	: B	
Allow null or empty	: True	
Column type	: Text	

Parameter ID	: Appliance ID [Id: 194]	
Column letter	: A	
Allow null or empty	: True	
Column type	: Text	

Figure 3 Correlation between Excel & Parameter links

The figure illustrates the correlation between MESM, Excel, and Wizard. It consists of three main components:

- Excel Spreadsheet:** A table with columns: ID number, Name, Inventory number, Producer / Make, Test Date, Retest period (in months), and Next Test. The data includes various 'Agregat malarski GX 21' entries with their respective IDs, inventory numbers, and test dates.
- MESM Software Interface:** The 'Demo datoteka HELP.padx - MESM ES Manager' window. It shows a tree view on the left with 'Set-Name' and 'Set-Name/Set-Name/Set-Name' nodes. The main table displays columns: Appliance id, Structure Path, Name, Next test, and Test date. The data in this table corresponds to the Excel spreadsheet.
- Wizard Configuration Window:** A window titled 'Wizard' with two sections: 'General Settings' and 'Structure objects Settings'.
 - General Settings:**
 - Number of lines to skip from top: 2
 - Master region: PAT (new instruments)
 - Child region: PAT
 - Structure objects Settings:**
 - Structure object type: Element

Red lines connect the data points across the three screenshots, showing the flow of information from the Excel spreadsheet to the MESM interface and then to the Wizard configuration.

Figure 4 Correlation between MESM, Excel, and Wizard

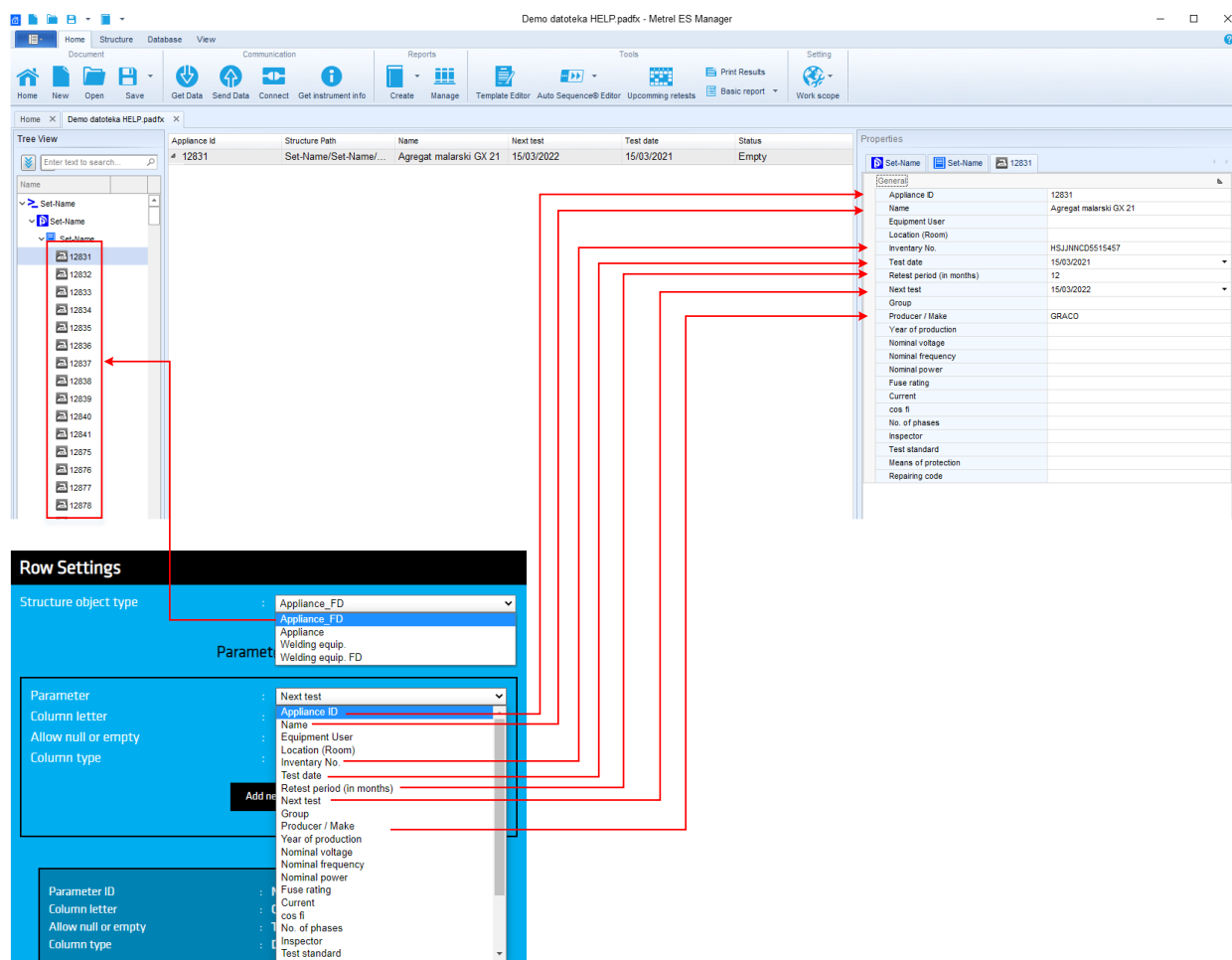


Figure 5 Correlation between MESM & Wizard

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