Madaster introduction

Create sustainable value by taking full material responsibility





It starts with registration, it ends with





driven by vision

facilitate circular economy









Madaster – "What's in it for the asset owner?" To make things simple, its a combination of these three aspects

1

Environmental

2

Financial

(3)

Compliancy

Current issue:

The climate crisis, resource crisis and energy crisis require an adjustment of our economic system where we take, make and waste resources towards a circular economy for the reuse and optimal use of our resources.

Current issue:

The real estate and infrastructure sector needs adaptation of environmental performance and circularity standards to prevent stranded assets and needs to mitigate cost increase due to scarcity of materials and environmental costs.

Current issue:

Data necessary to provide transparency in environmental performance on material, product and construction object level is not available, leading to a risk of non-compliancy with current and future regulation and certification standards.

Our solution:

By offering data insight tools and shared data, Madaster enables the asset owner and construction service providers to take better decisions towards realizing environmental and climate targets and to avoid stranded assets.

Our solution:

Through digitization of materials, products and assets, Madaster facilitates regulatory and certification compliancy that lead to value preservation & potentially value increase of the objects of real estate and infrastructure objects.

Our solution:

Madaster provides detailed insight enabling asset owners to adhere to current and future national and international ESG / SDG driven regulations and certification standards (BREEAM et cetera).

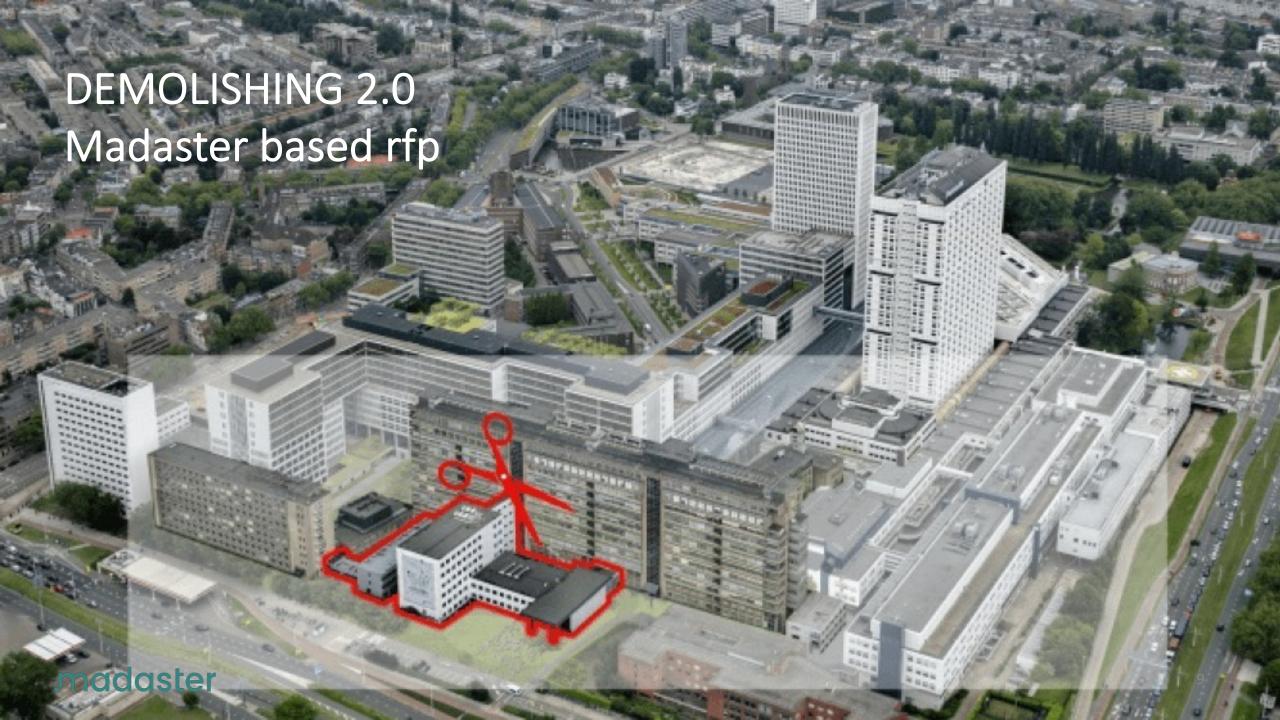


An international proven concept

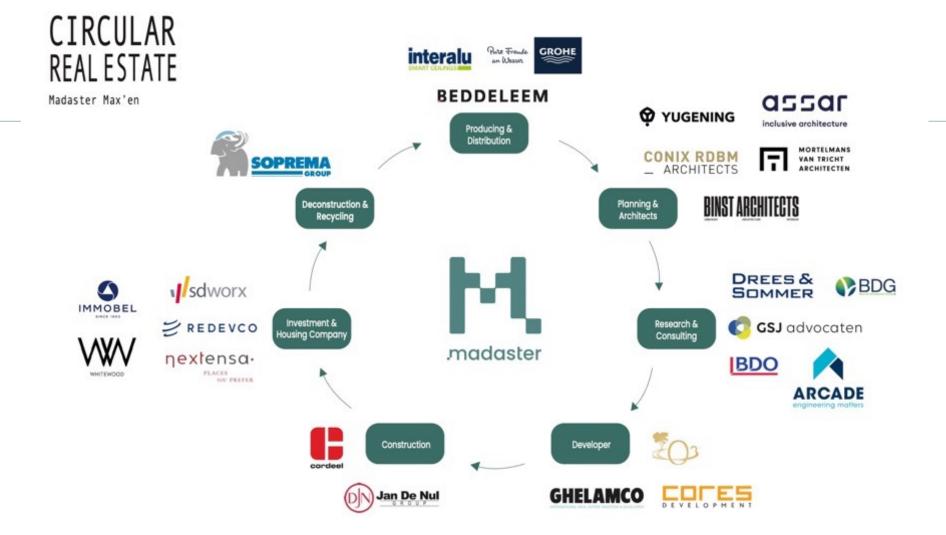












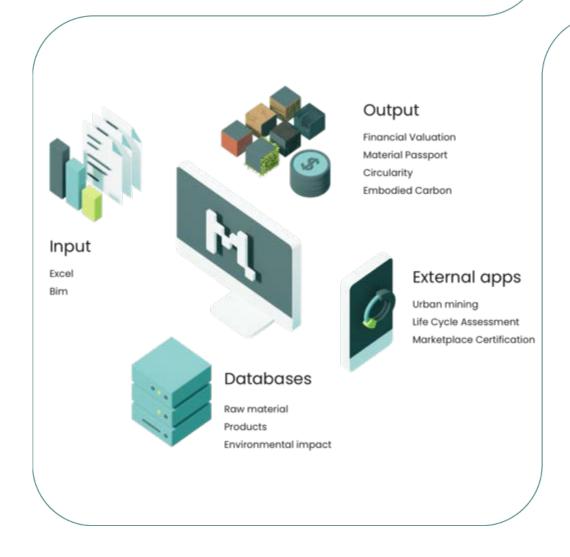


Legende: Madaster Max'en per cluster



We love to connect to the (local) ecosystem

- 100% BIM integration
- Extensive data sources
- 100% API functionality
- Support wide range of standards & methodologies







3D

Dossier

Mass

Performance









Address

General

Moerbei 10 3941px Doorn Netherlands

Madaster information

Material Classification:

Usage:

Gross Surface Area:

Building phase:

Delivery date:

Last renovation date:

Madaster V2

Circularity

Community (Conference complex/small complex < 2000 m2)

Environmental

Financial

Users

300 m²

New building

22-09-2022

Cadaster information

Cadastral designation: Cadastral surface area:

Restriction of public law:

Doorn K 7860

672 m²

Labels

BREEAM:

Lot number:

Indicative MPG score (i):

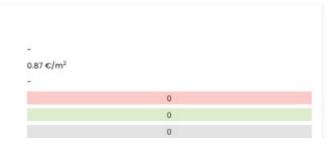
LEED:

GPR Score Energy:

GPR score Environment:

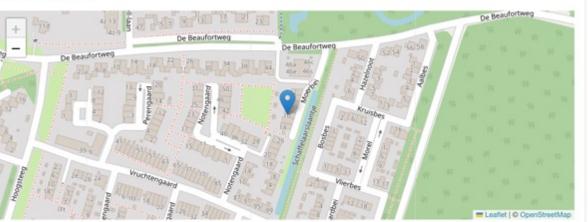
GPR score Health:





Open Street Map

Upload settings











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Environmental Financial Upload settings

Filter on

Keyword	<u> </u>
Consumer dossier	
Contractuele afspraken	~
Oaks & Oadadayd & Vadayy	

Tags

Paspoorten

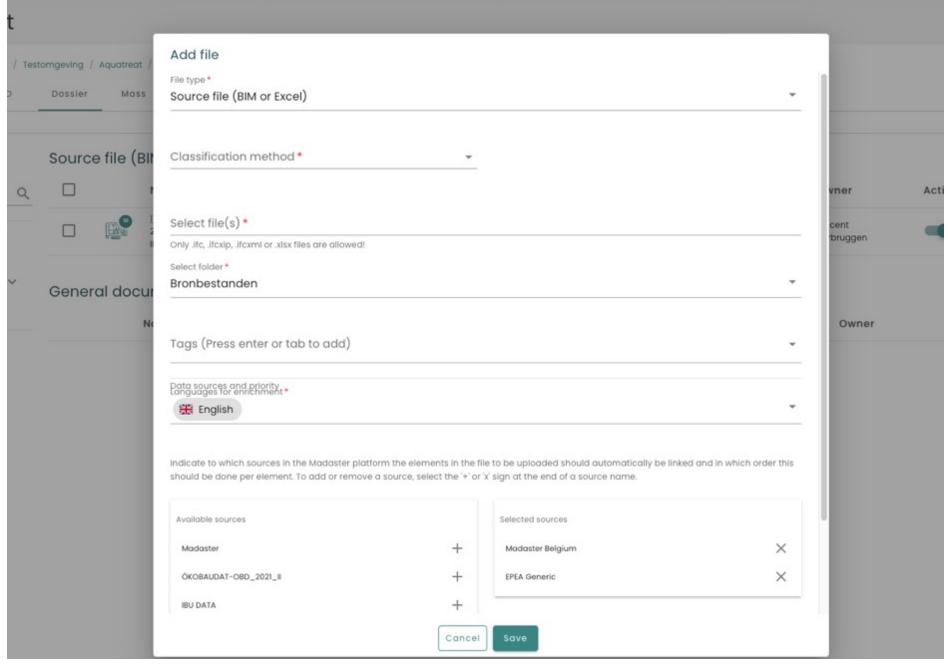
Source file (BIM or Excel)

	Name	Size	Classification method	Date exported	Tags	Owner	Active	
	220729 DM2 - Installaties ifc IFC file generated by GRAPHISOFT ARCHICAD 25.0.0 NED FULL Macintosh version (IFC add-on version: 4017 NED FULL).; IFC2X3	108.26 MB	Omniclass	01-08-2022 18:11		Michiel Lankamp		⊛
	220729 DM2 - Bouwkundig.ifc IFC file generated by GRAPHISOFT ARCHICAD 25.0.0 NED FULL Macintosh version (IFC add-on version: 4017 NED FULL).; IFC2X3	19.85 MB	Omniclass	01-08-2022 19:14		Michiel Lankamp	•	•
	220729 DM2 - Interieur.ifc IFC file generated by GRAPHISOFT ARCHICAD 25.0.0 NED FULL Macintosh version (IFC add-on version: 4017 NED FULL).; IFC2X3	14.84 MB	Omniclass	01-08-2022 17:50		Michiel Lankamp		•
	220729 DM2 - Constructie.ifc IFC file generated by GRAPHISOFT ARCHICAD 25.0.0 NED FULL Macintosh version (IFC add-on version: 4017 NED FULL); IFC2X3	6.91 MB	NL-SfB	01-08-2022 19:15		Michiel Lankamp	•	•

General document

	Name	Size	Last modified	Tags	Owner	
E _®	Performance demo, 2022-11-23 NL.pdf	985.63 kB	23-11-2022 20:38		Michiel Lankamp	<u>*</u>
e.	Performance demo, 2022-11-23 NLxIsx	16.00 kB	23-11-2022 20:38		Michiel Lankamp	<u>*</u>
E _®	Performance demo, 2022/11/25 EN.pdf	955.37 kB	25-11-2022 09:25		Michiel Lankamp	*
E _®	Performance demo. 2022/11/25 EN.xlsx	15.88 kB	25-11-2022 09:25		Michiel Lankamp	*
E _®	Performance demo, 2022/11/30 EN.pdf	955.47 kB	30-11-2022 11:32		David Parker	*
E _®	Performance demo, 2022/11/30 EN.xlsx	15.88 kB	30-11-2022 11:32		David Parker	*





M









The accuracy and reliability of data in the Madaster platform starts with the source file. If the quality of the source file is lower and/or data is not complete, this will ensure that the Madaster platform is also less accurate and complete. It is therefore important to get the quality of the source file, the completeness of the information, as high as possible before it is read into the platform.

The overview below shows the quality of the uploaded source file, broken down into categories on the basis of which the Madaster platform will continue to process the file. This shows how many percent of the elements from the source file have a coding of a classification method. You also see the completeness of material allocation in the source file and the percentage of elements with geometric dimensions in the source file.

Make sure that these percentages are as high as possible before you use the file in the Madaster platform. Minimum guideline is 80%.

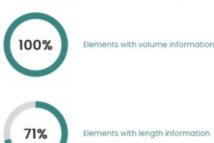
Percentage Classification methods



Percentage material assignment



Percentage geometric dimensions







Elements with area information



Elements without geometric dimensions

Quality of matching process

The Madaster platform automatically links the elements that are present in the imported file to the existing materials and products in the platform. The result is shown in the overview below, divided into linked materials on the basis of number of elements and on the basis of volume. It also indicates from how many elements the mass is available. Here too, you can increase the percentage of automatically linked elements by increasing the quality of the imported file.

In the next step, Enrichment, you can manually link the non-automatically linked elements from the imported file to materials and products in the Madaster platform in order to increase the quality of the matching process.

Percentage Elements linked



Percentage Mass



Search	Q

Progress enrichment

100%

Filter on

Unit dimension

riiter	211	
Element status		^
0	Linked	296
0	Unlinked	0
Building n	umber	~
Element o	alculation	~
IFC-type		~
Floors		~
Building p	hase	~
Classifica	tion methods	~
Shearing l	Layer	~

V

	Element	Materials	Product / material	Quantity	C
	· · · Gevelkolom	Staalprofiel	*** Steel - Profile	1/1	
	Gevelkolom	Staalprofiel	*** Steel - Profile	1/1	
	Staalbalk dak	Staalprofiel	*** Steel - Profile	1/1	
	*** Staalbalk dak	Staalprofiel	*** Steel - Profile	1/1	
	••• 17 Paalfunderingen_Kolom_Kolom fundering	Gewapend beton C25/30 (2% wapening)	Reinforced conrete C25/30 (2% Reinforcement)	1/1	
	••• 17 Paalfunderingen_Kolom_Kolom fundering	Gewapend beton C25/30 (2% wapening)	*** Reinforced conrete C25/30 (2% Reinforcement)	1/1	
	*** Staalbalk dak	Staalprofiel	*** Steel - Profile	1/1	
	· · · Gevelkolom	Staalprofiel	*** Steel - Profile	1/1	
	· · · Gevelkolom	Staalprofiel	*** Steel - Profile	1/1	
	••• 17 Paalfunderingen_Kolom_Kolom fundering	Gewapend beton C25/30 (2% wapening)	*** Reinforced conrete C25/30 (2% Reinforcement)	1/1	
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	*** Staalbalk dak	Staalprofiel	*** Steel - Profile	1/1	
	*** Staalbalk dak	Staalprofiel	*** Steel - Profile	1/1	
	*** Staalbalk dak	Staalprofiel	*** Steel - Profile	1/1	
	· · · Gevelkolom	Staalprofiel	*** Steel - Profile	1/1	
	· · · Gevelkolom	Staalprofiel	*** Steel - Profile	1/1	
	· · · Gevelkolom	Staalprofiel	*** Steel - Profile	1/1	
	••• 17 Paalfunderingen_Kolom_Kolom fundering	17 Paalfunderingen_Kolom_Kolom fundering Gewapend beton C25/30 (2% wapening) Reinforced conrete C25/30 (2% Reinforcement)		1/1	
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	17 Paalfunderingen_Kolom_Kolom fundering Gewapend beton C25/30 (2% wapening) Reinforced conrete C25/30 (2% Reinforcement)			1/1	
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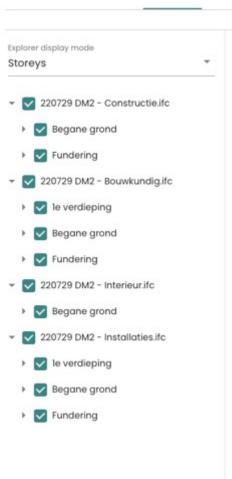




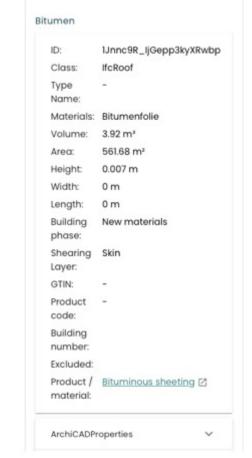




General Performance 3D Dossier Mass Circularity Environmental Financial Users Upload settings











■ M Performance demo

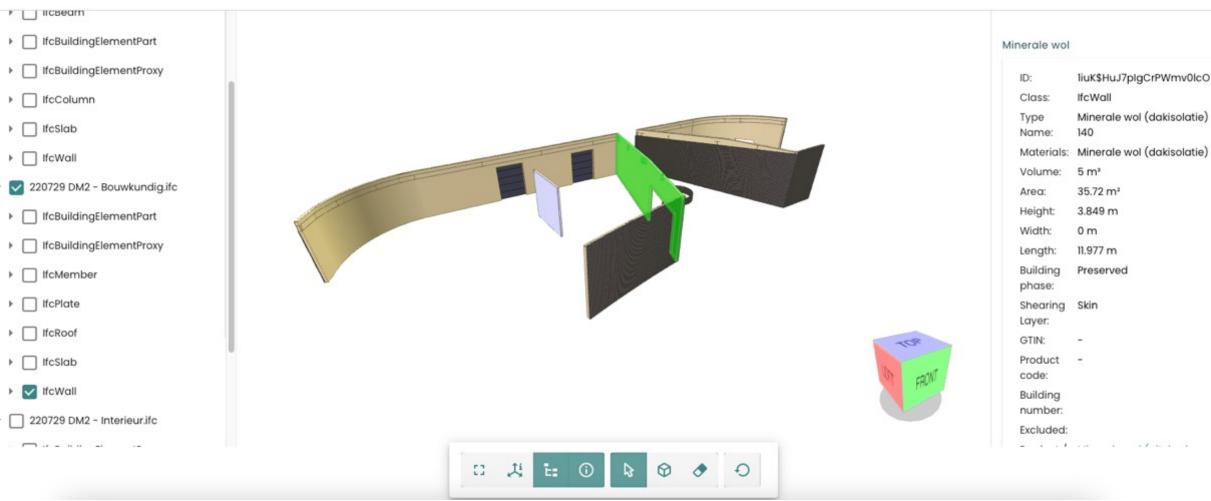






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General Performance 3D Dossier Mass Circularity Environmental Financial Users Upload settings











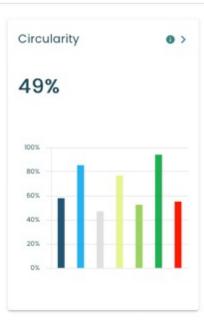


General Performance 3D Dossier Mass Circularity Environmental Financial Users Upload settings

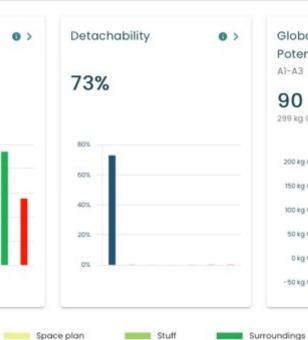
Adjust your benchmark 🐉

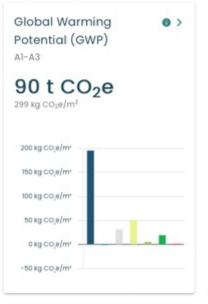


Structure



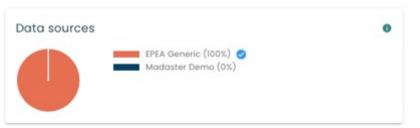
Services





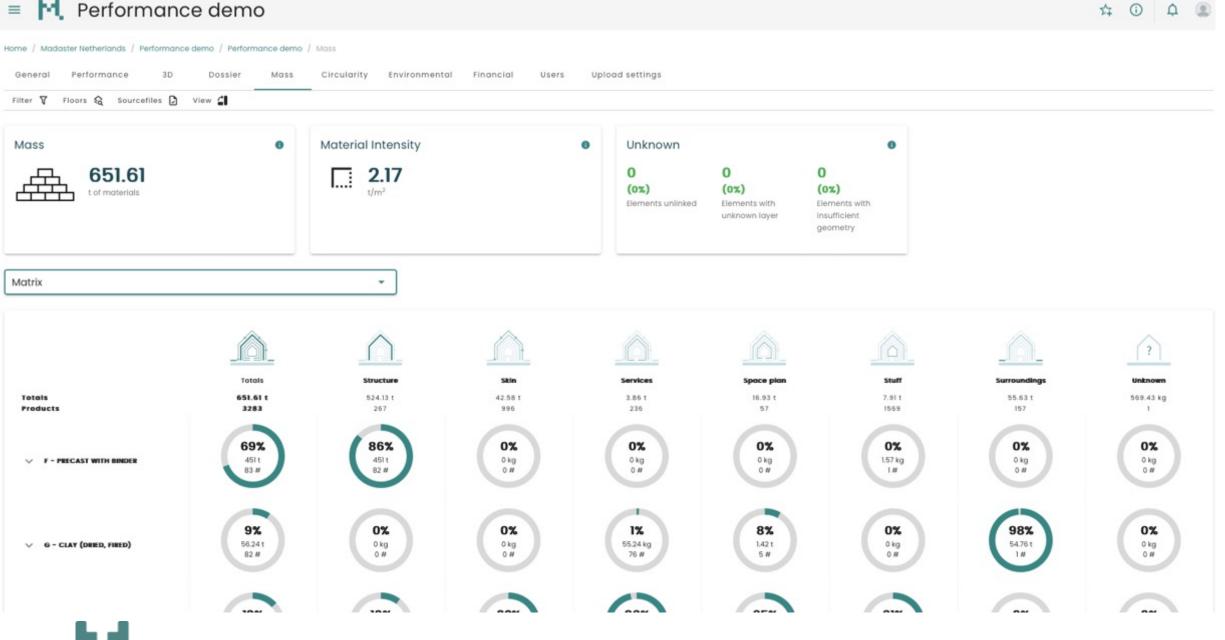
Unknown





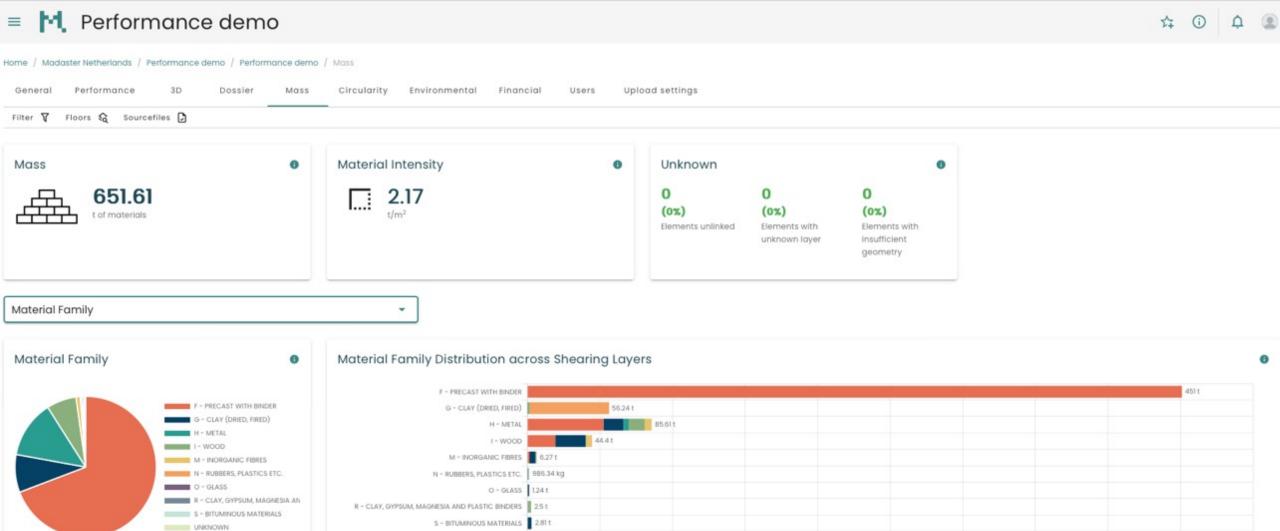
Skin





22

М





UNKNOWN 569.43 kg

0 kg

50 t

100 t

150 t

200 t

250 t

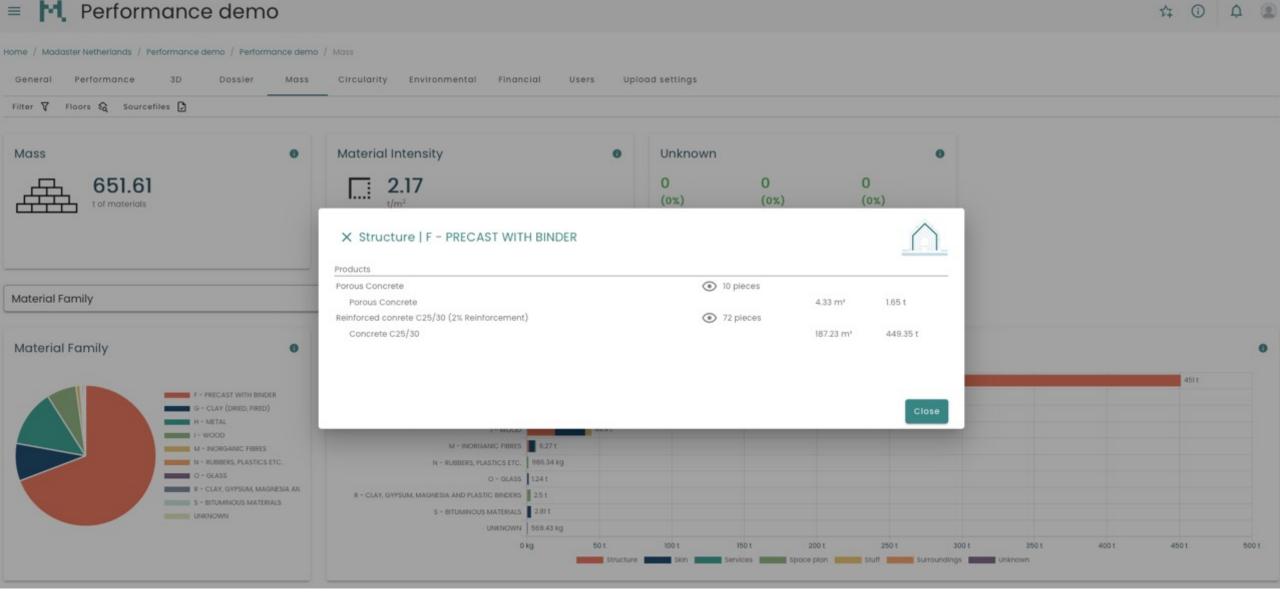
Services Space plan Stuff Surroundings Unknown

300 t

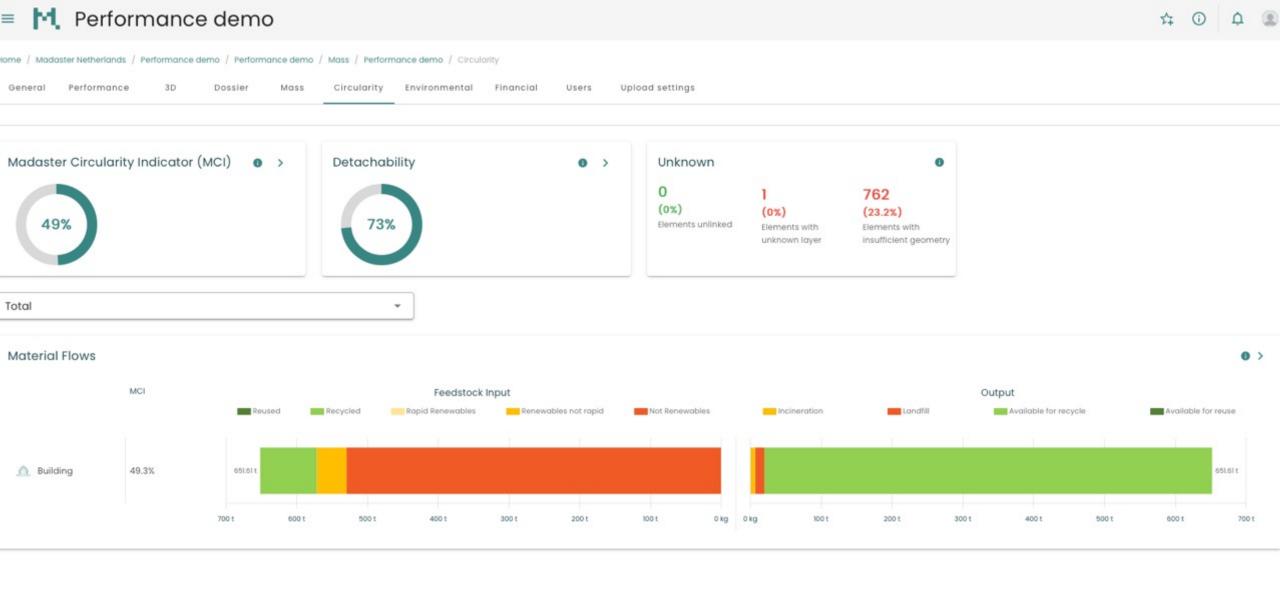
350 t

400 t

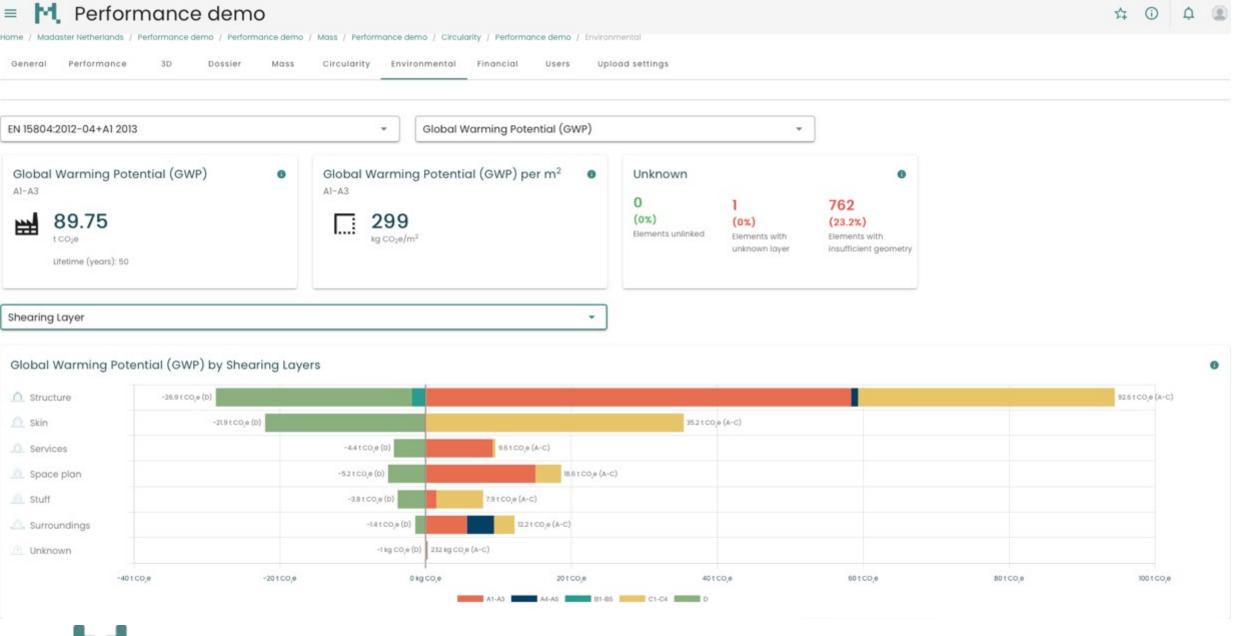
450 t

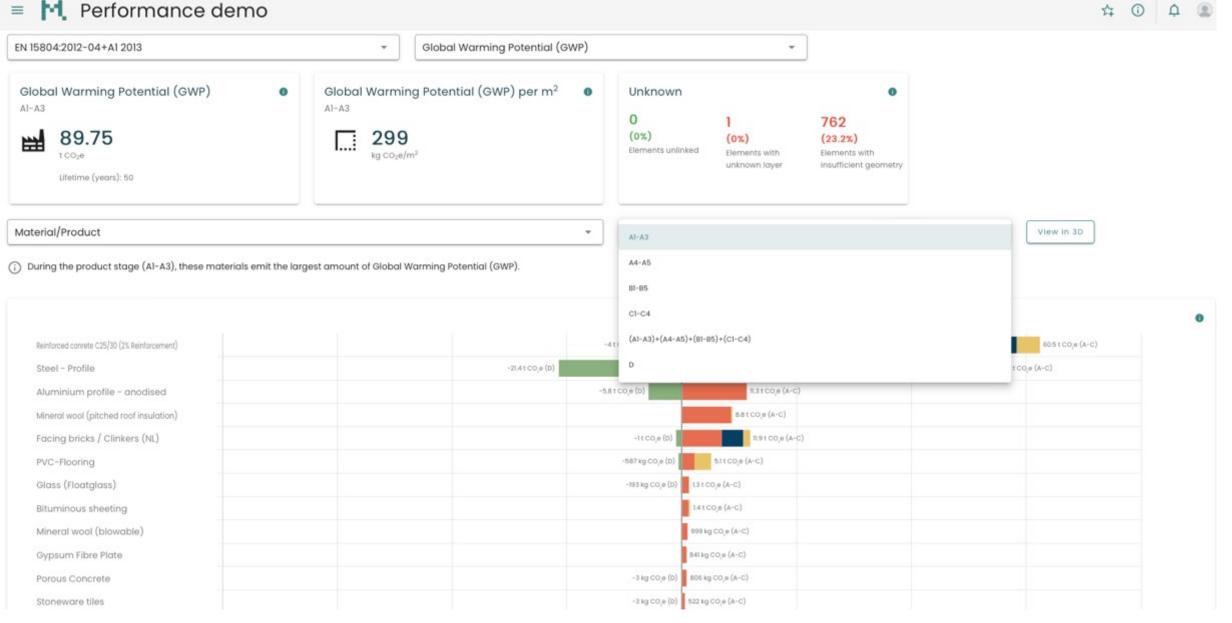




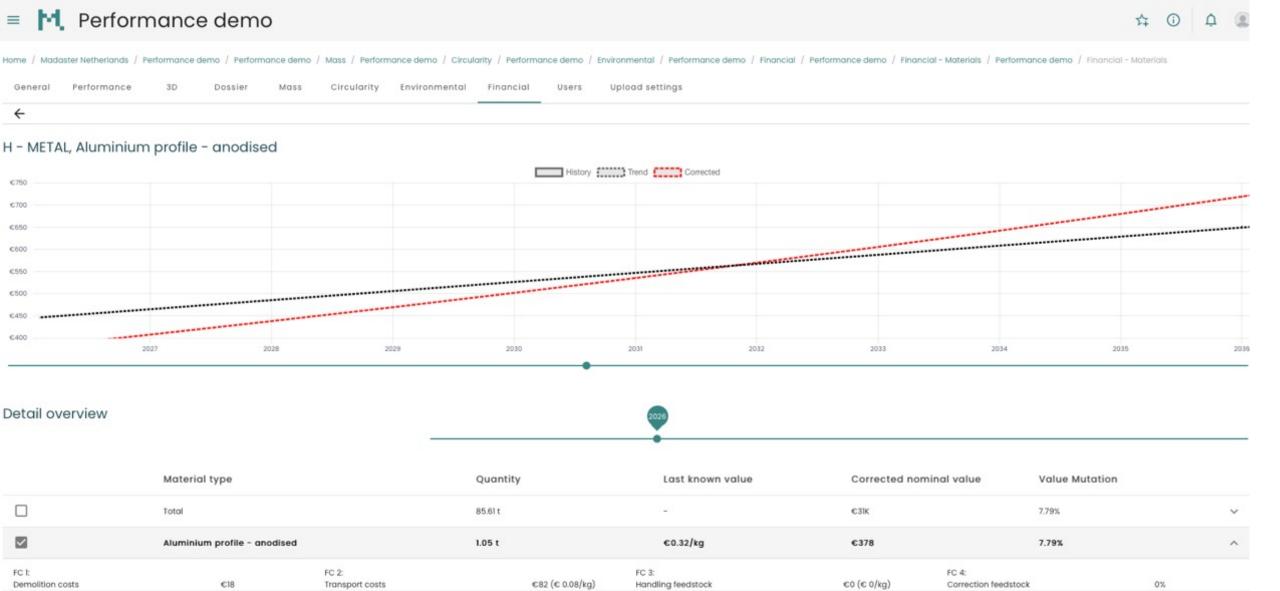














Steel - Profile

54.56 t

€0.32/kg

€20K

7.79%

Material Passport



Triodos Bank Zeist

This building is part of a circular future

New construction | Office | 40.000 m2 | Amsterdam, Netherlands Design phase: construction documents







Are you ready to take full material responsibility?

Meld je aan voor een gratis online demo op 9/12 om 10u (1,5u).

Mail naar info@madaster.be en ontvang de Teams-link. Snelle beslissers profiteren tot 31/12 van een lanceerkorting van 10% op het eerste jaar.

Madaster Belgium info@madaster.be +32 473 53.20.59

madaster.be