®MADASTER

Enabling Circularity by Giving Materials an Identity

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Odense, Denmark

Madaster.com

About Rob Oomen

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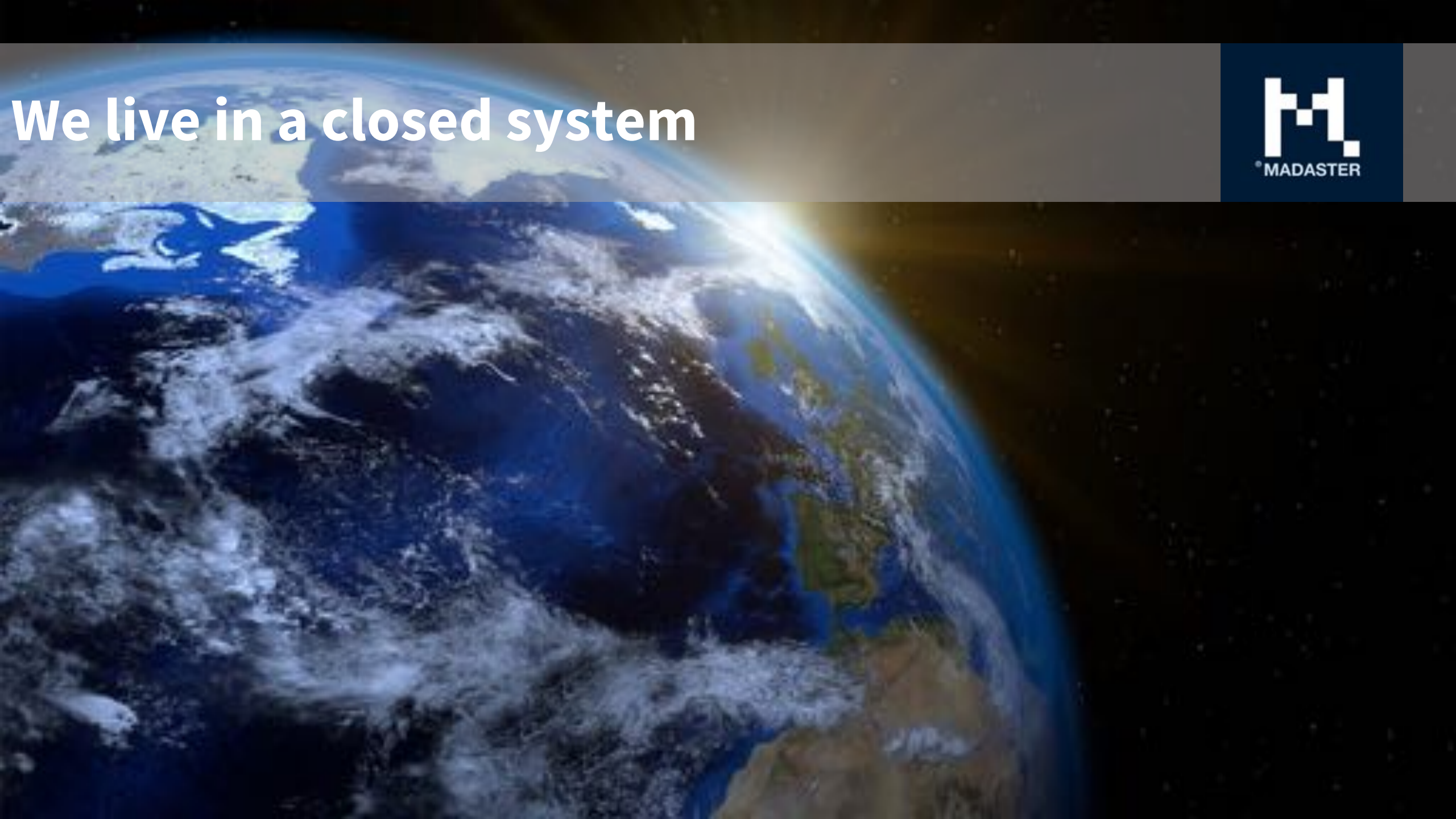
The circular economy is inevitable

The circular economy is a great opportunity

We live in a closed system



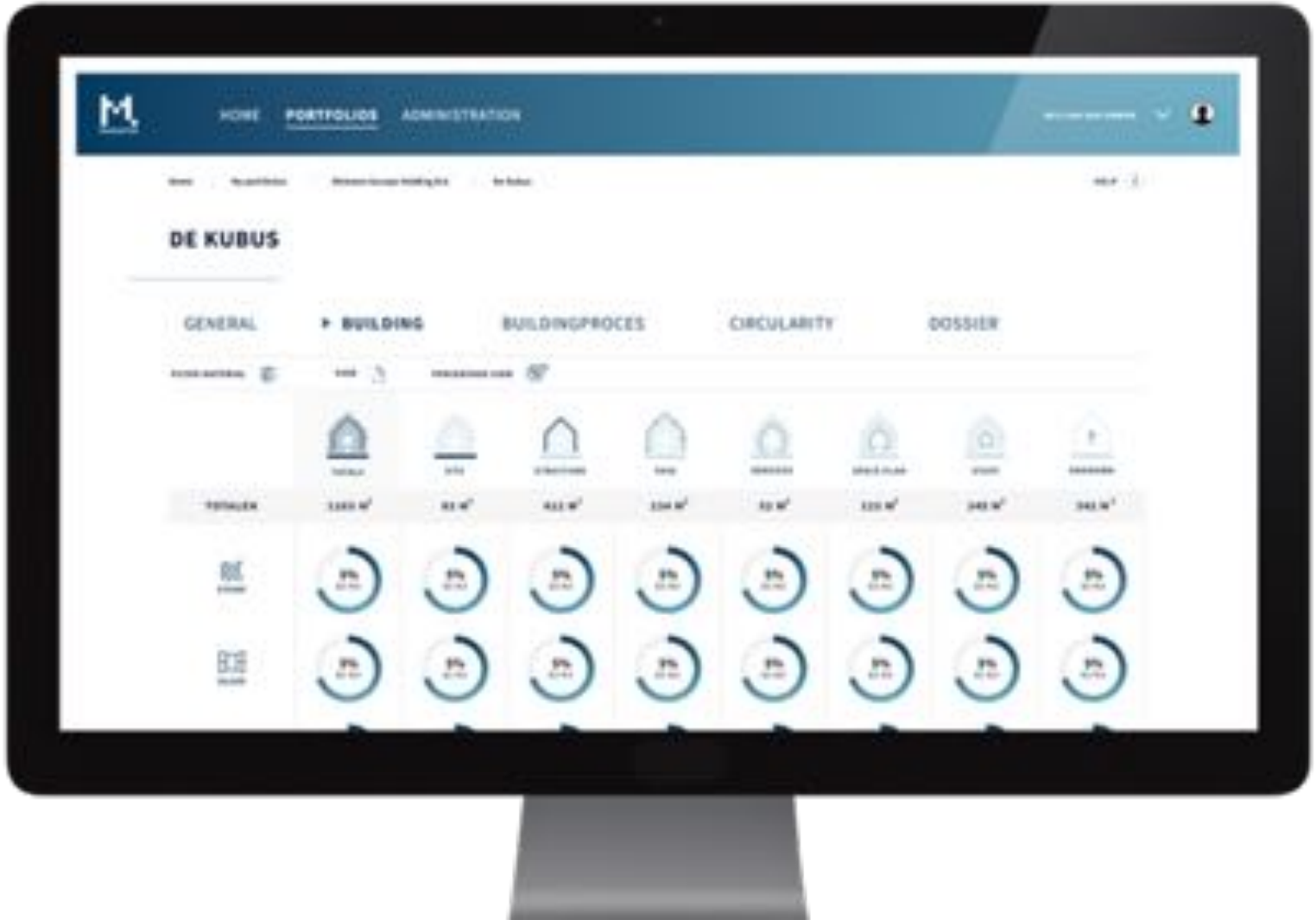
Resources are scarce

Enabling circularity
By giving materials an identity

The Madaster Platform
Offers 4 core products

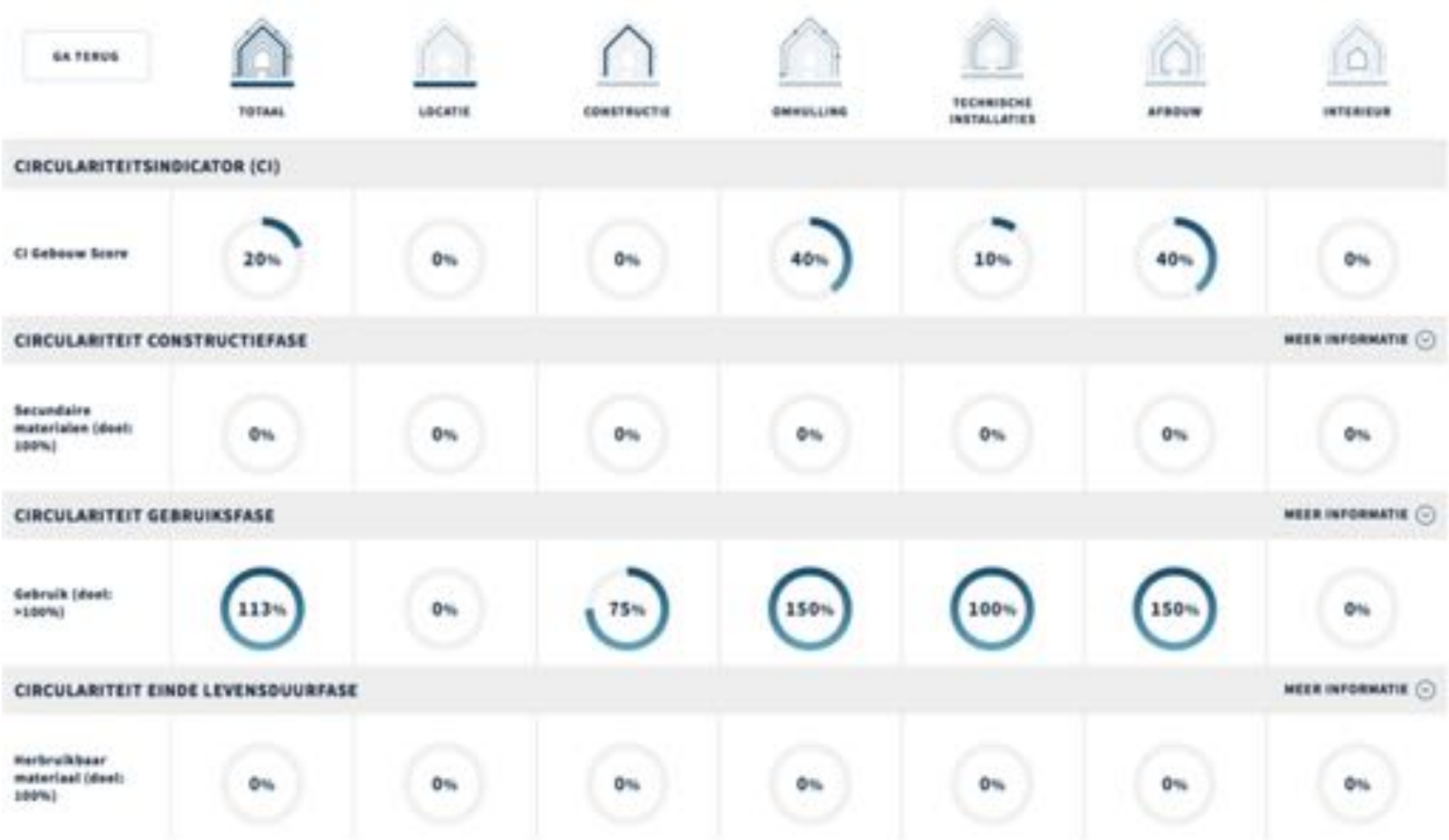
Material Passports	Building Dossier
Circularity Index	Financial Valuation

With Madaster
You can generate material passports



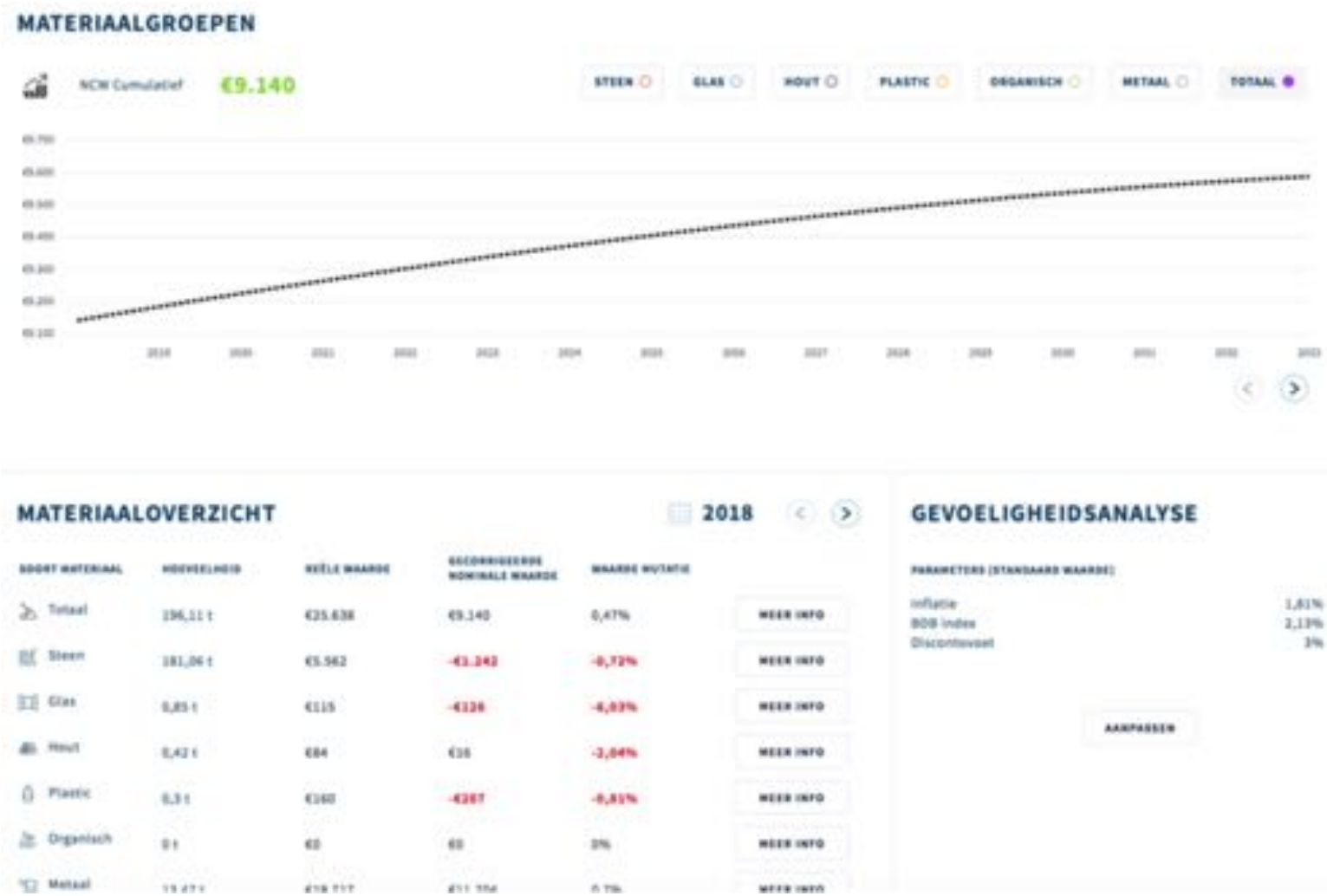
By using Madaster
You can create a property dossier

Measure circularity



GA TERUG	TOTAAL	LOCATIE	CONSTRUCTIE	OMHULLING	TECHNISCHE INSTALLATIES	AFBOUW	INTERIEUR
CIRCULARITEITSINDICATOR (CI)							
CI Gebouw Score	20%	0%	0%	40%	10%	40%	0%
CIRCULARITEIT CONSTRUCTIEFASE							MEER INFORMATIE
Secundaire materialen (doel: 100%)	0%	0%	0%	0%	0%	0%	0%
CIRCULARITEIT GEBRUIKSFASE							MEER INFORMATIE
Gebruik (doel: >100%)	113%	0%	75%	150%	100%	150%	0%
CIRCULARITEIT EINDE LEVENSDUURFASE							MEER INFORMATIE
Herbruikbaar materiaal (doel: 100%)	0%	0%	0%	0%	0%	0%	0%

Insight in financial value of materials



The added value of Madaster

DESIGN	BUILD	USE	REUSE / SELL	DEMOLISH
Real estate data available: secure, anytime, anywhere!				
Minimise environmental impact		Reduce costs		
Facilitate circular design		Monetise materials used		
		Health & safety		
		Data room / single truth of data		Residual value
Compliance with (circular economy) regulation				

With Madaster we challenge key dilemma’s

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1. TIME
If materials become available, no time to loose

2. VALUE
Waste for the one, is valuable for the other

3. QUANTITY
Without volume, markets won’t work

4. QUALITY
Data guides you to quality

How does Madaster generate material passports?

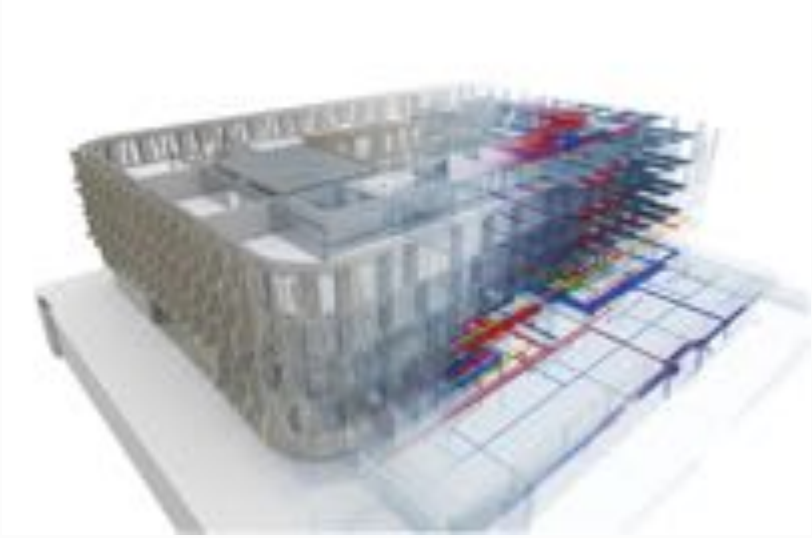
1. Import

2. Format

3. (External) Databases

4. Matching

1. Import – object specific information



BIM

EXCEL

OSF

3. Databases – accuracy and automation

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NIBE EXPERTS IN SUSTAINABILITY

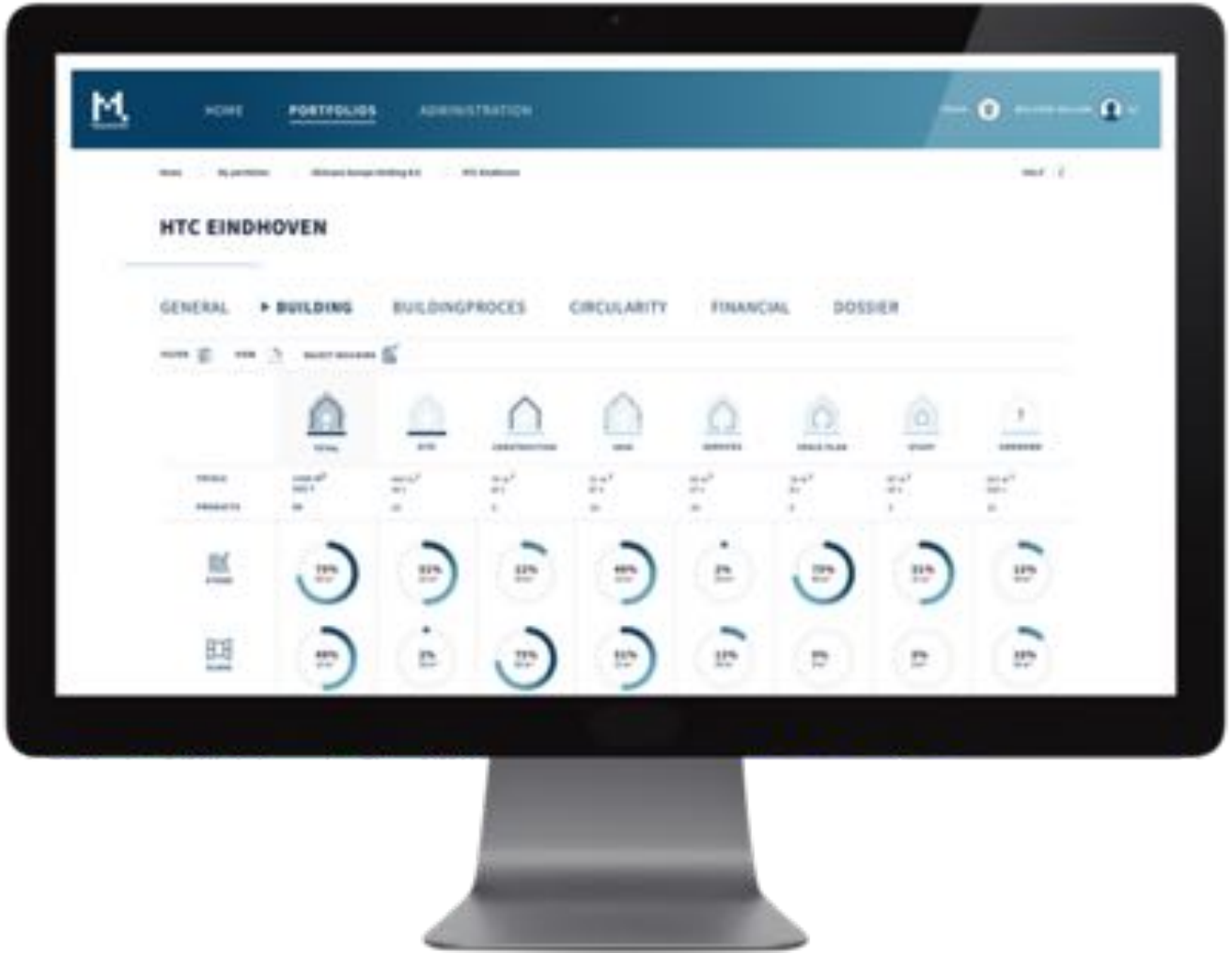
EcoChain

STICHTING BOUWKWALITEIT

TNO innovation for life

KUBUS

4. Matching – let the magic happen



Additional functionality - Solution Partners

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insert
maakt de cirkel rond

WE adviseurs

Axxerion

re use materials

KPMG

Establishing an accepted standard
Is key for scalability

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Madaster serves a public interest

Madaster Foundation
Madaster Services

Working with major companies

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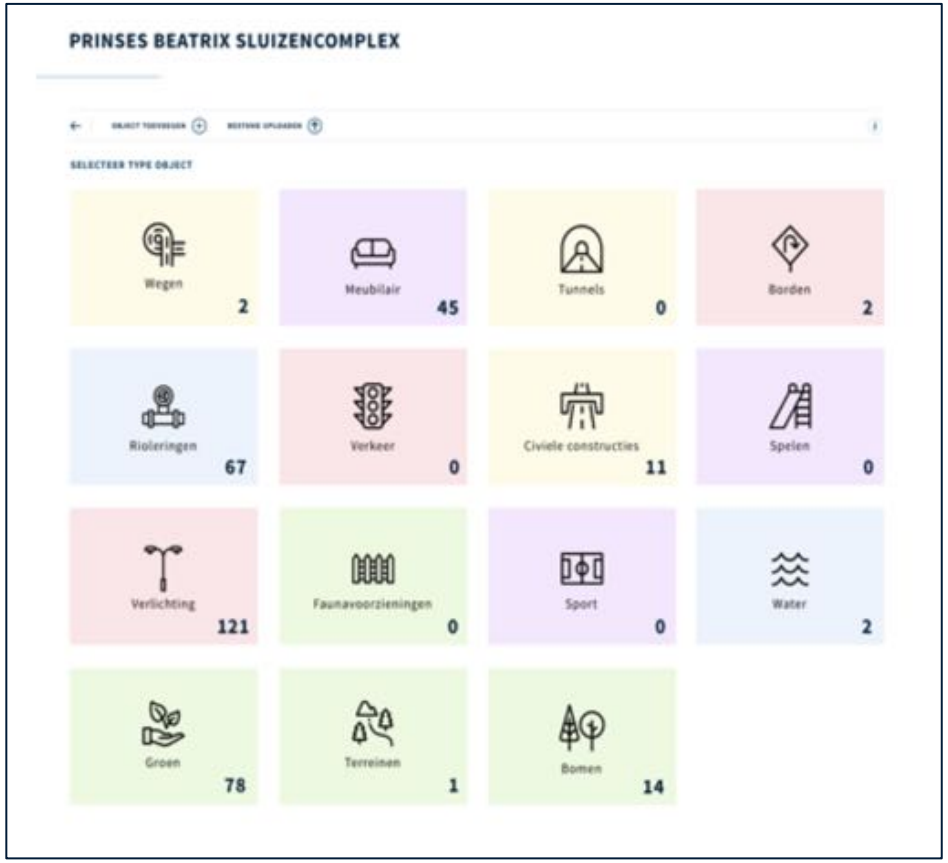
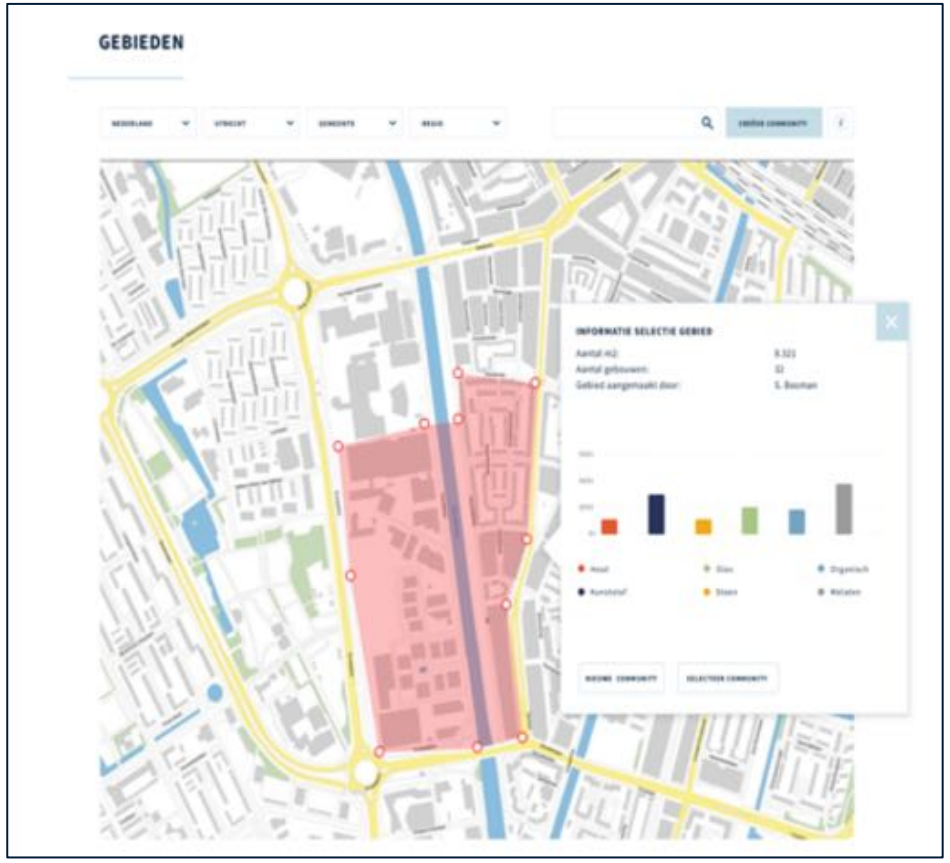
VolkerWessels
alliander
Schiphol
KPMG
EPEA
Deloitte.
Ballast Nedam
REDEVCO
De Cerns
IMd
TBI
KUBUS
Triodos Bank
Rabobank
ABN-AMRO
DURA VERMEER
ProRail
Green Building Council
BOOT
Schiphol Group
CAD & COMPANY
MITSUBISHI ELECTRIC
ARUP
pwc
akd
VORM
heijmans
ING
OVG

In Progress:
Infrastructure and Community Services





We have a Global ambition

- Expanding into Switzerland, Luxembourg, Belgium, and Taiwan

- Exploring expansion in Poland, Norway, Finland and **Denmark.**

Circular economy is a systems approach
And this has systemic benefits