Improving Digital Workflows with openBIM

VIIA Project Groningen Netherlands

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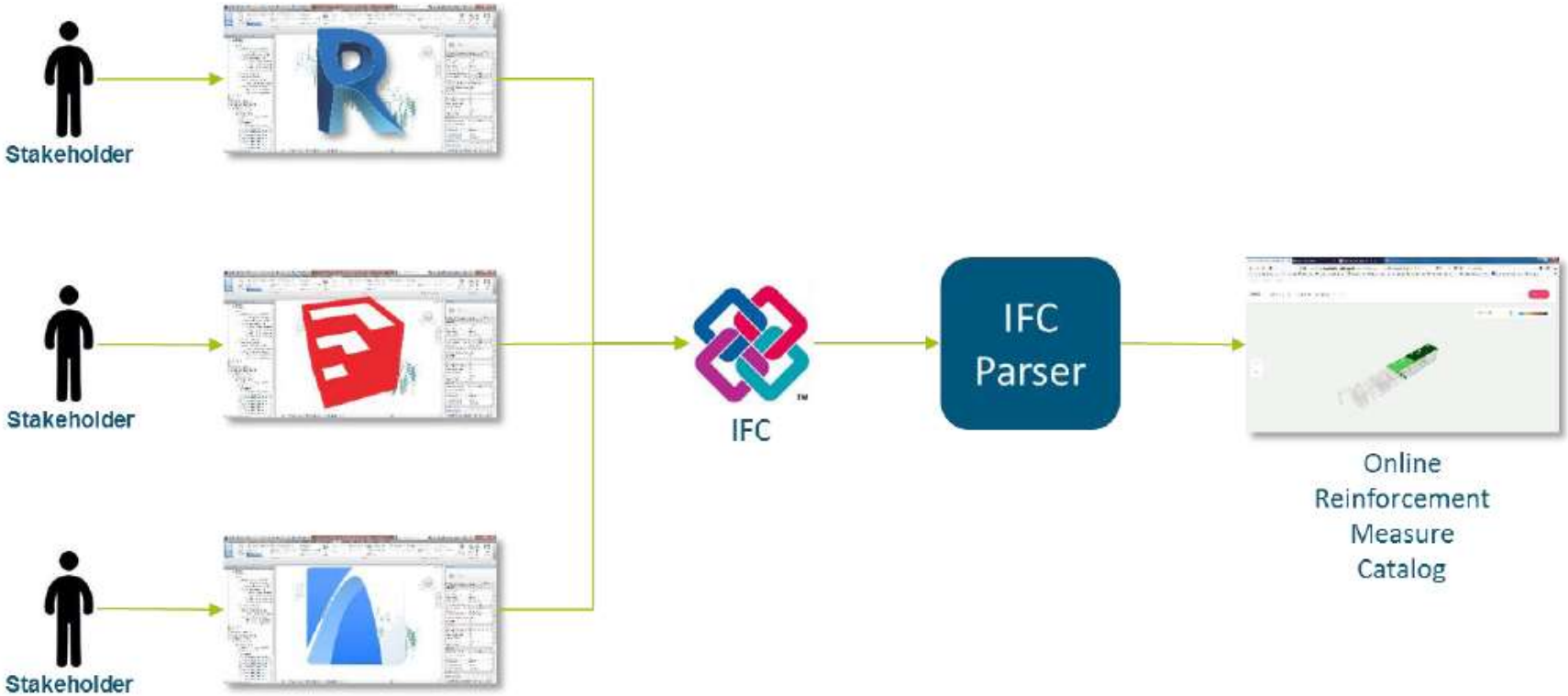
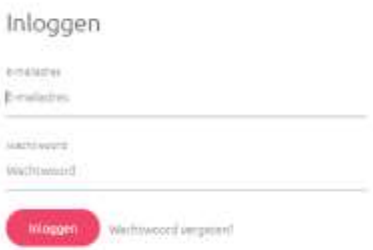
Café NASTROVJA

- The GMC webtool finds his origin at VIIA who was challenged to deliver an integral retrofit designs with cost calculation for 120 buildings in only nine months
- The challenge was achieved making a distinction between things that could be generic and things that must be specific. The process to derive at an integral retrofit design is generic


Stakeholder
Stakeholder
Stakeholder
IFC
IFC Parser
Online Reinforcement Measure Catalog

Groningen Retrofit Catalogue (GMC)



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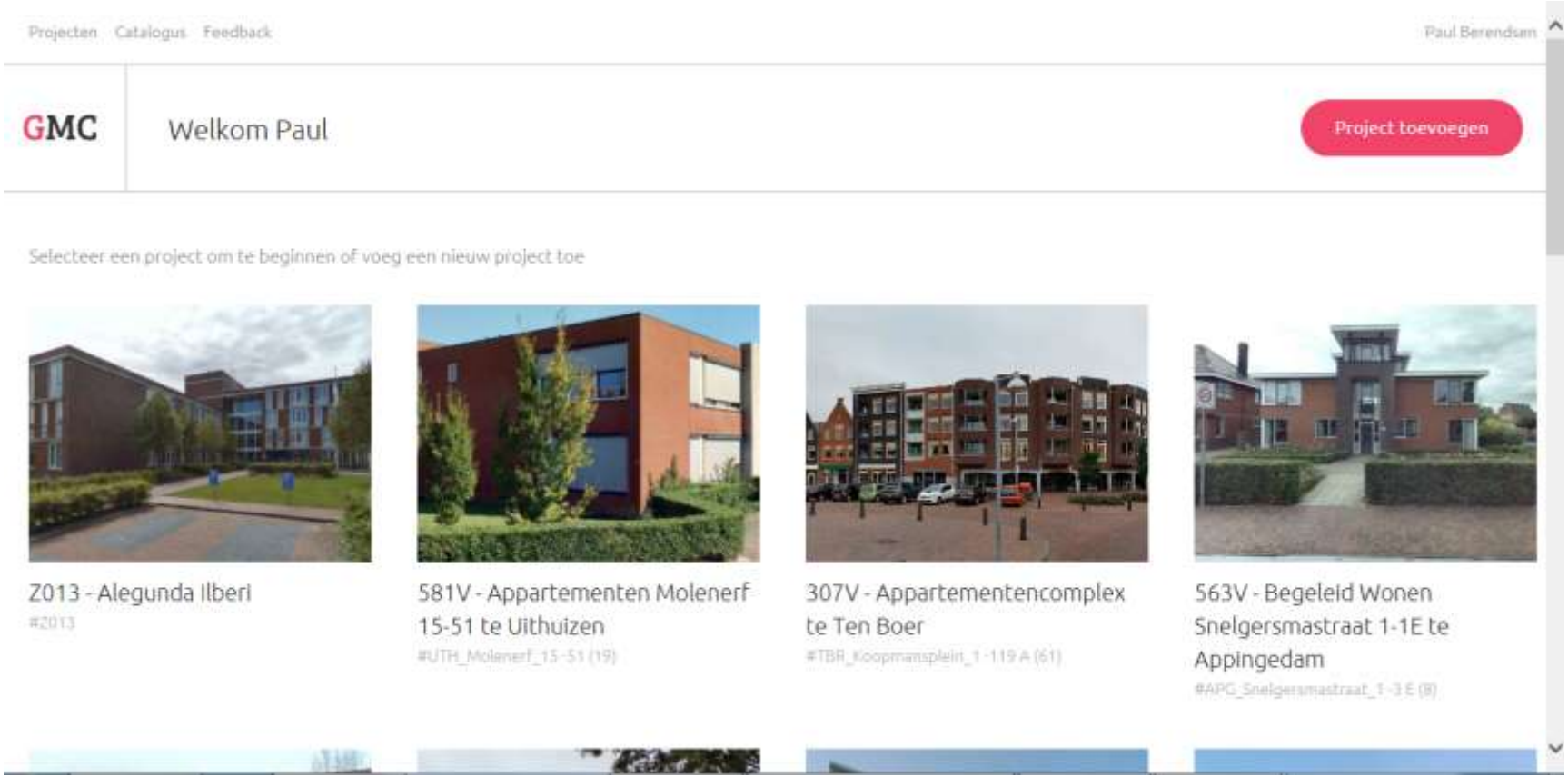
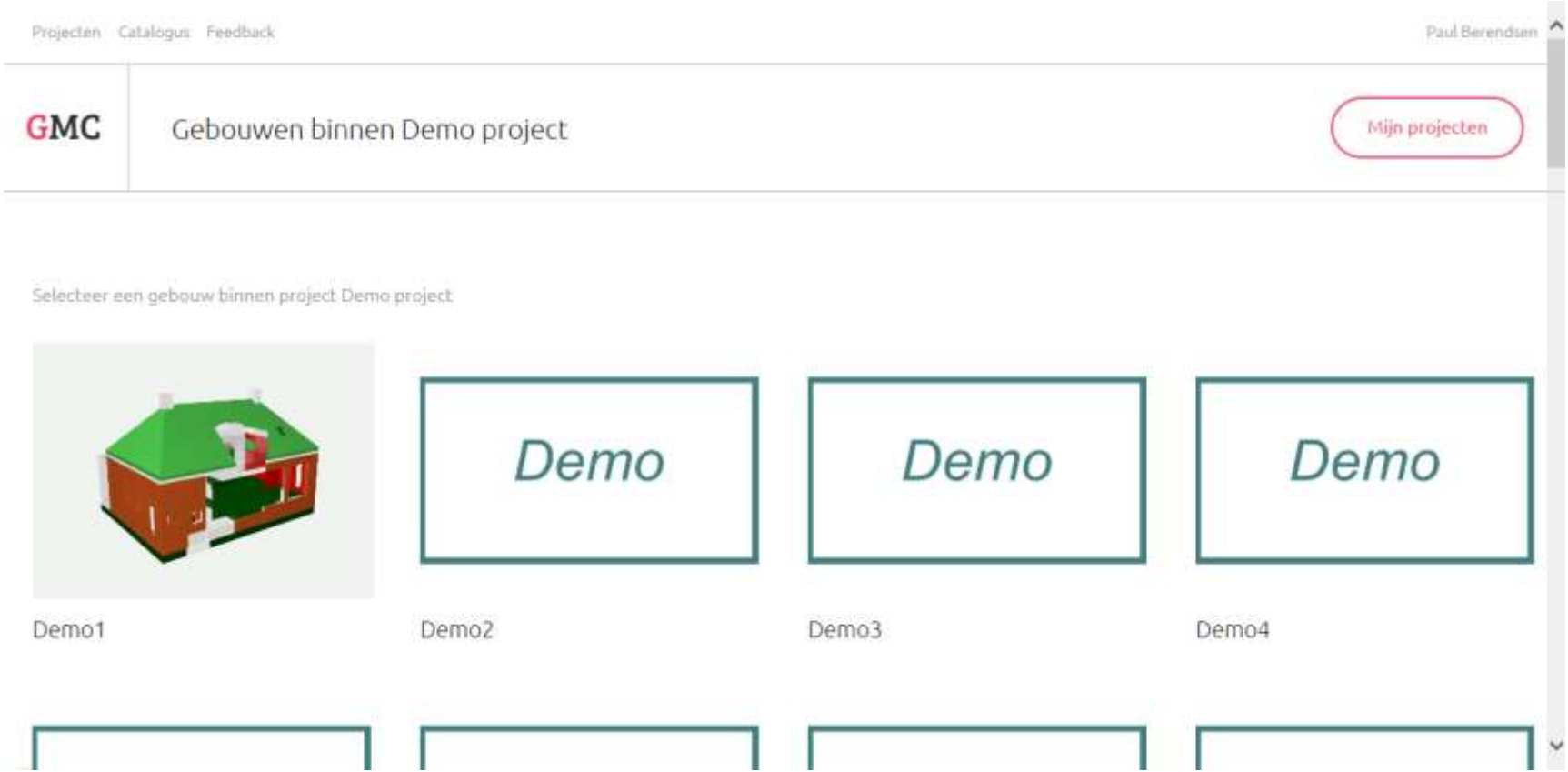
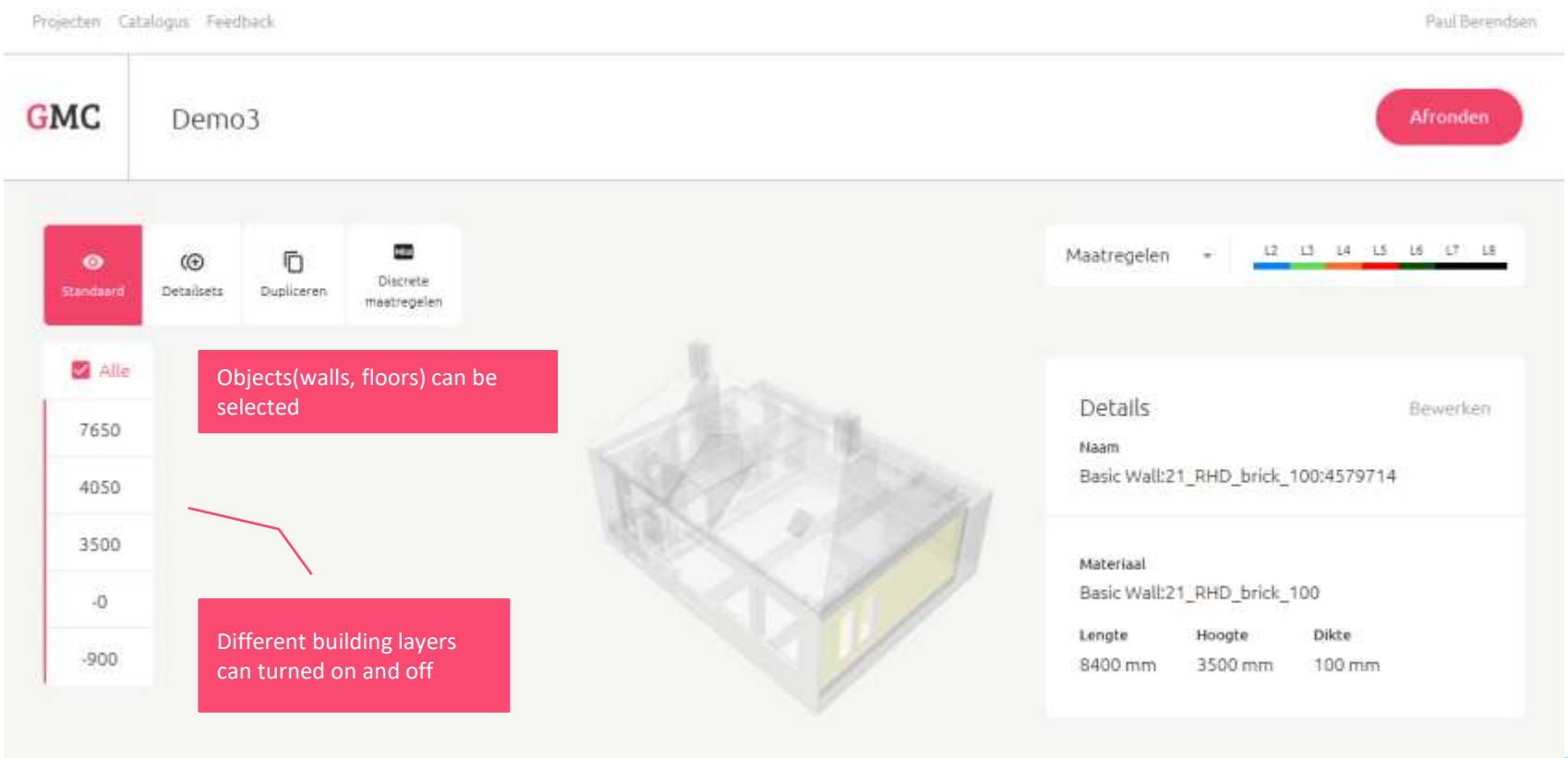
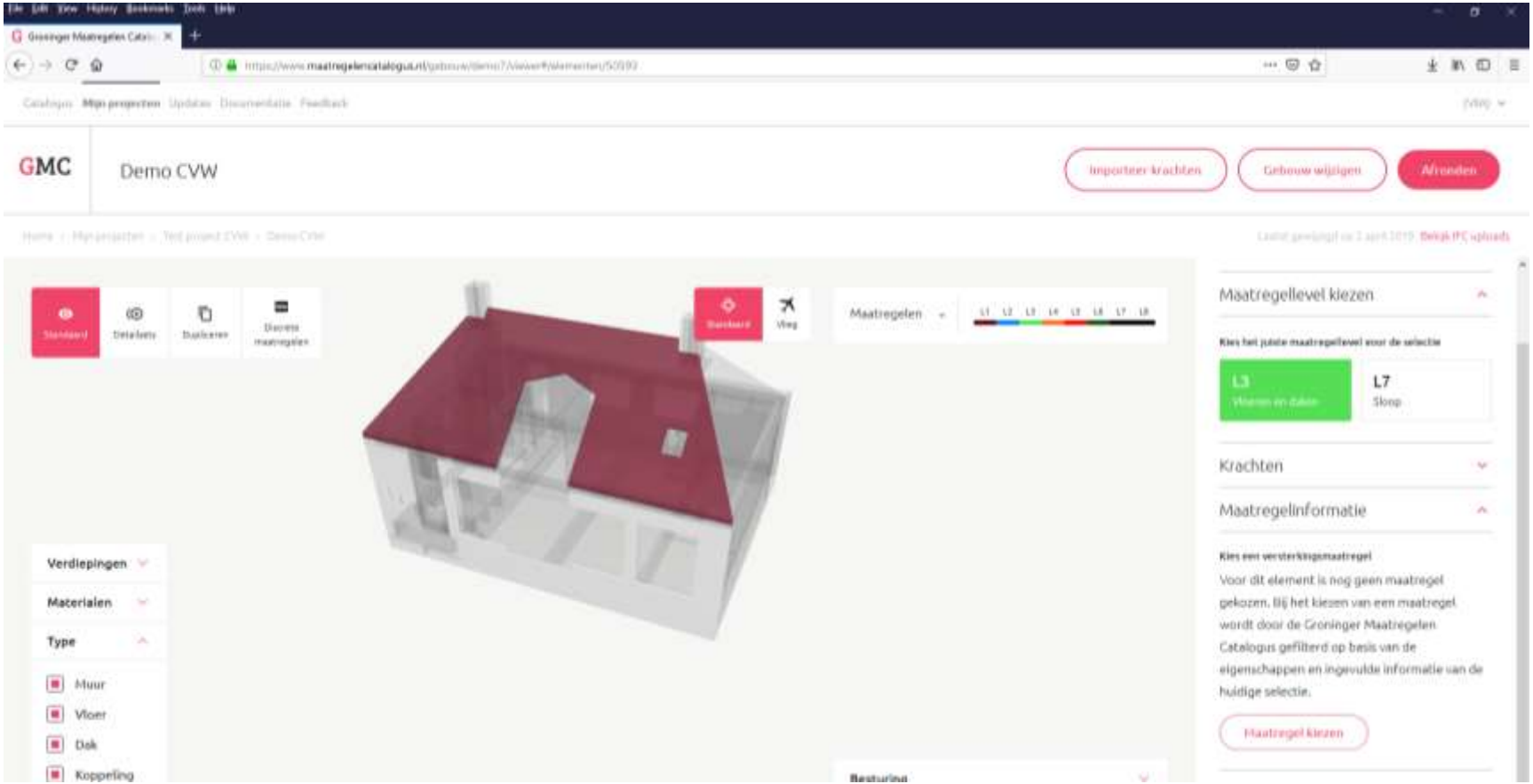
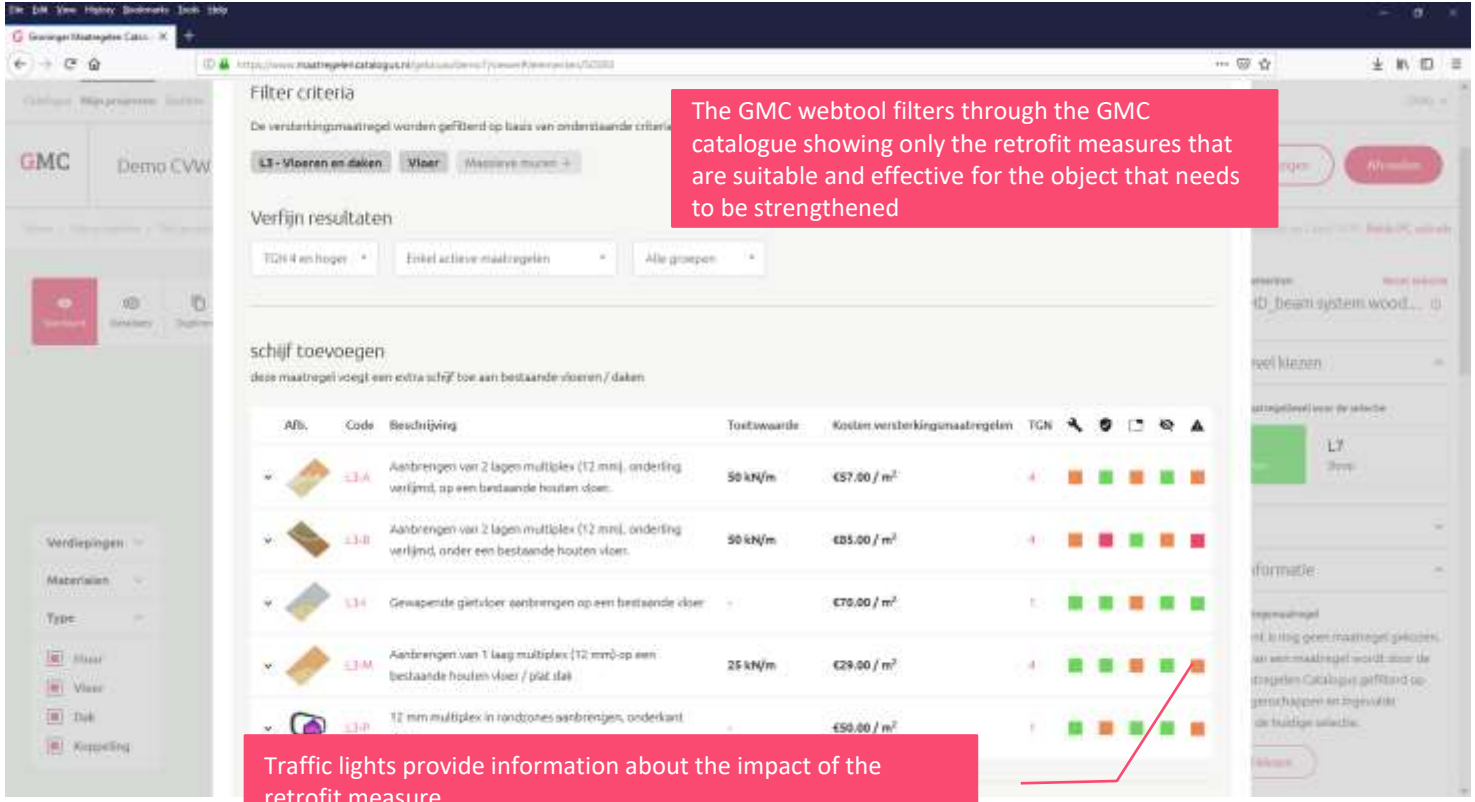

Projecten
Catalogus
Feedback
Paul Berendsen
GMC
Welkom Paul
Project toevoegen
Selecteer een project om te beginnen of voeg een nieuw project toe
Z013 - Alegunda Ilberi
#Z013
581V - Appartementen Molenerf 15-51 te Uithuizen
#UTH_Molenerf_15-51 (19)
307V - Appartementencomplex te Ten Boer
#TBR_Koopmansplein_1-119 A (61)
563V - Begeleid Wonen Snelgersmastraat 1-1E te Appingedam
#APG_Snelgersmastraat_1-3 E (8)


Projecten
Catalogus
Feedback
Paul Berendsen
GMC
Gebouwen binnen Demo project
Mijn projecten
Selecteer een gebouw binnen project Demo project
Demo
Demo
Demo
Demo1
Demo2
Demo3
Demo4


Projecten
Catalogus
Feedback
Paul Berendsen
GMC
Demo3
Afronden
Standaard
Detailsets
Dupliceren
Discrete maatregelen
Maatregelen
L2 L3 L4 L5 L6 L7 L8
Alle
7650
4050
3500
-0
-900
Objects(walls, floors) can be selected
Different building layers can turned on and off
Details
Bewerken
Naam
Basic Wall:21_RHD_brick_100:4579714
Materiaal
Basic Wall:21_RHD_brick_100
Lengte
8400 mm
Hoogte
3500 mm
Dikte
100 mm


GMC
Demo CVW
Importeer krachten
Gebouw wijzigen
Afronden
Maatregelen
Maatregellevel kiezen
Kies het juiste maatregellevel voor de selectie
L3
L7
Sloop
Krachten
Maatregelinformatie
Kies een versterkingsmaatregel
Voor dit element is nog geen maatregel gekozen. Bij het kiezen van een maatregel wordt door de Groninger Maatregelen Catalogus gefilterd op basis van de eigenschappen en ingevulde informatie van de huidige selectie.
Maatregel kiezen
Verdiepingen
Materialen
Type
Muur
Vloer
Dak
Koppeling



The GMC webtool filters through the GMC catalogue showing only the retrofit measures that are suitable and effective for the object that needs to be strengthened

Traffic lights provide information about the impact of the retrofit measure

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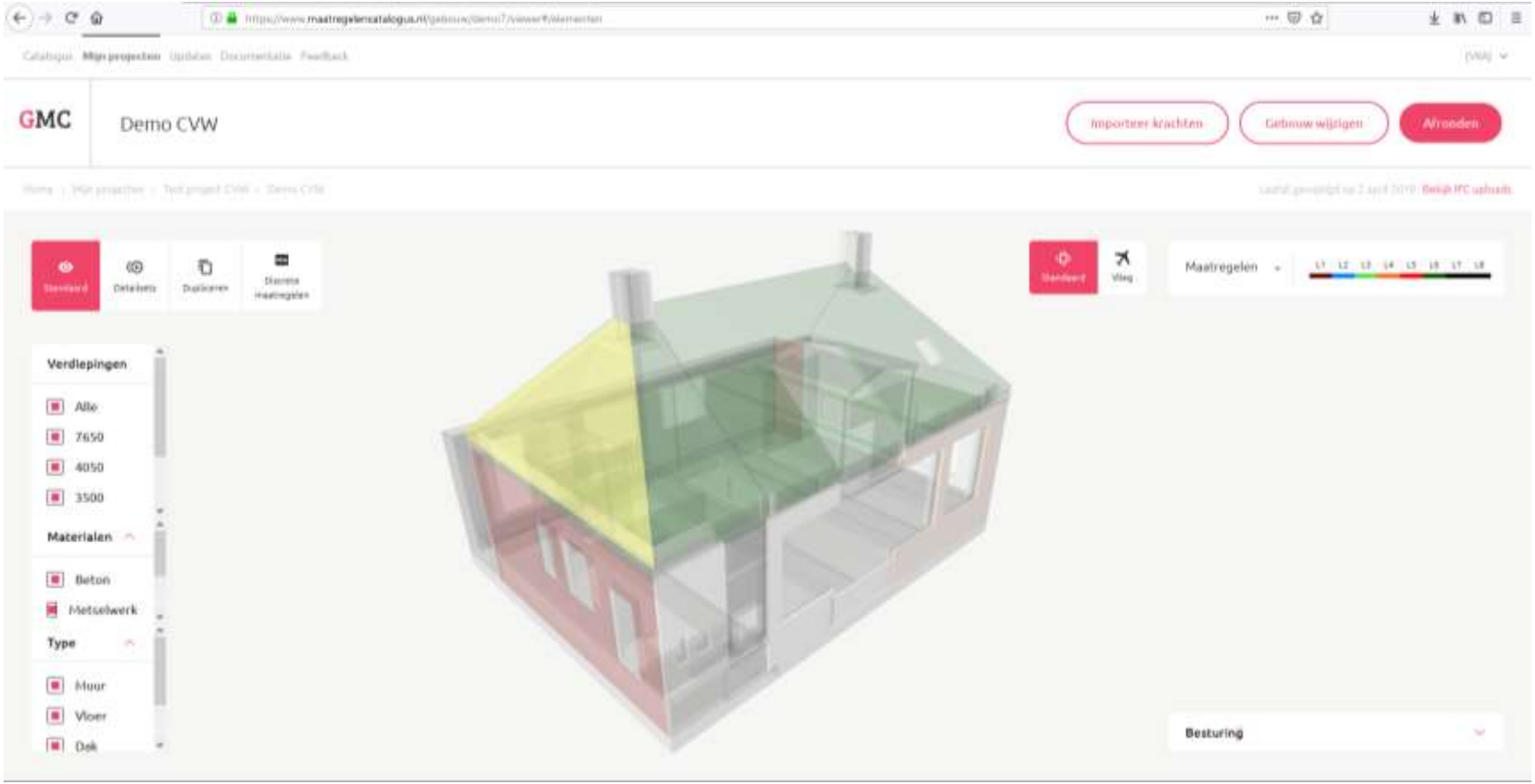
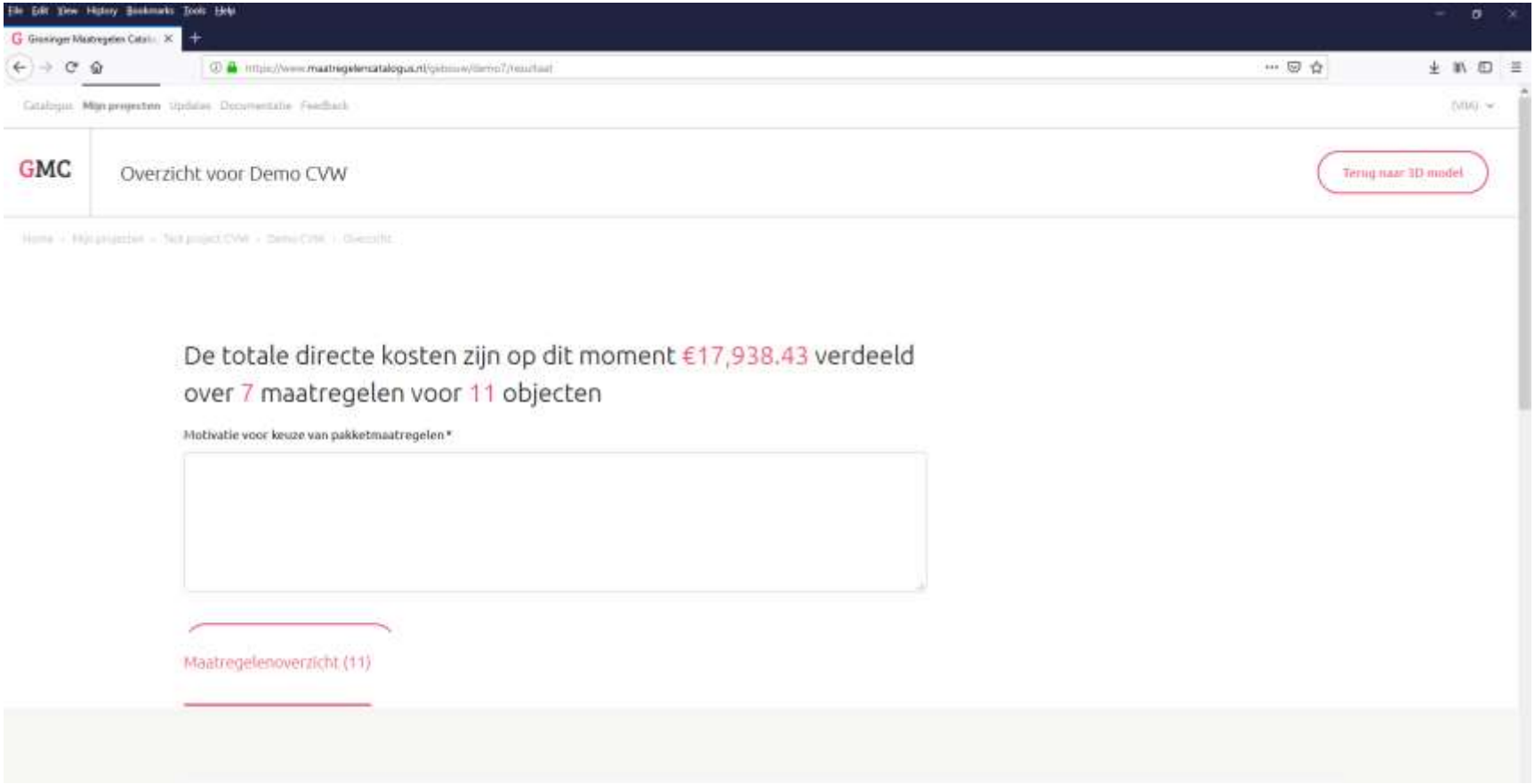
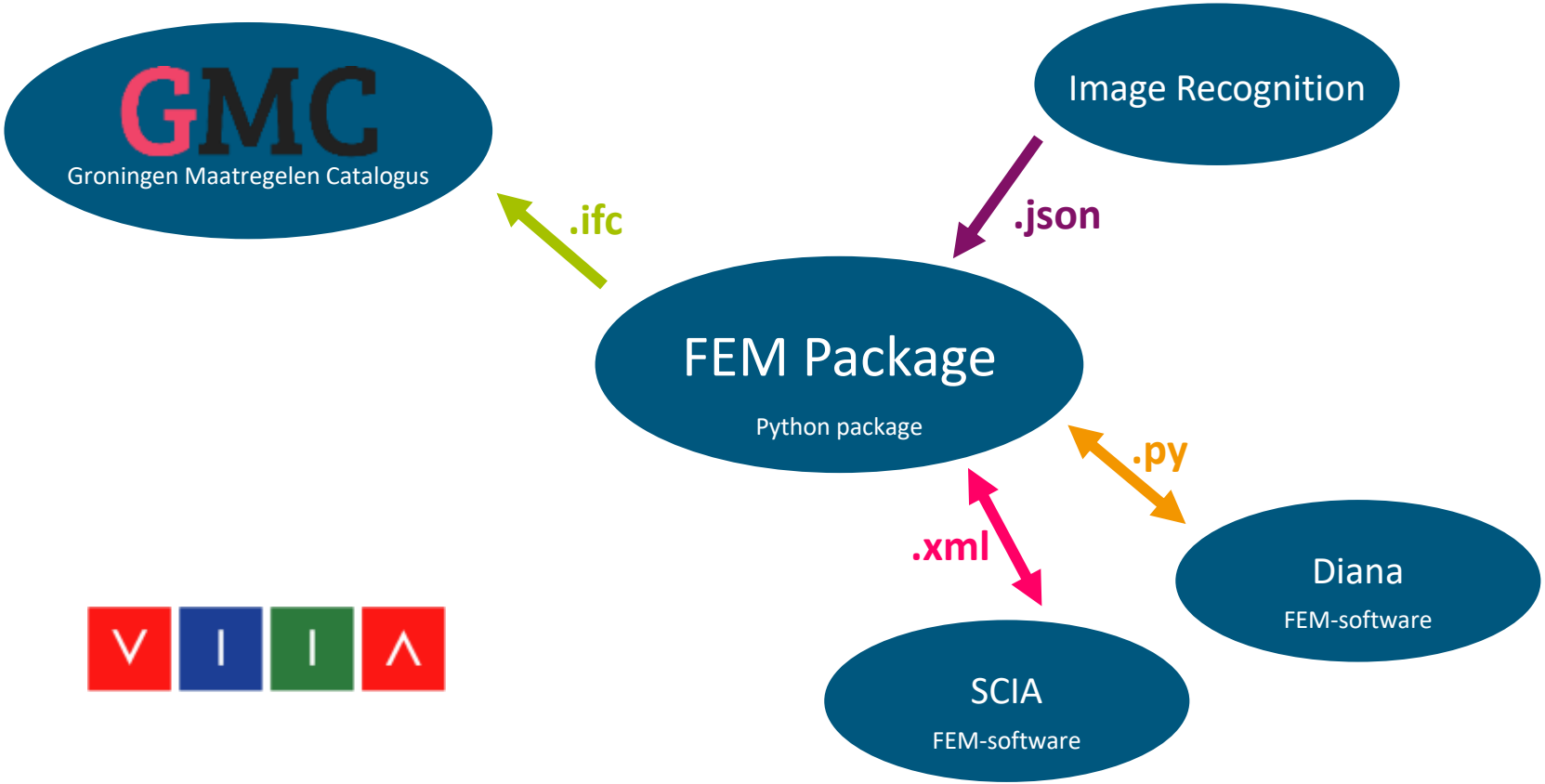

GMC
Demo CVW
Importeer krachten
Gebouw wijzigen
Afronden
Standaard
Details
Dupliceren
Maatregelen
Vlieg
Verdiepingen
Alle
7650
4050
3500
Materialen
Beton
Metselwerk
Type
Muur
Vloer
Dak
Besturing


GMC
Overzicht voor Demo CVW
Terug naar 3D model
De totale directe kosten zijn op dit moment €17,938.43 verdeeld over 7 maatregelen voor 11 objecten
Motivatie voor keuze van pakketmaatregelen *
Maatregelenoverzicht (11)



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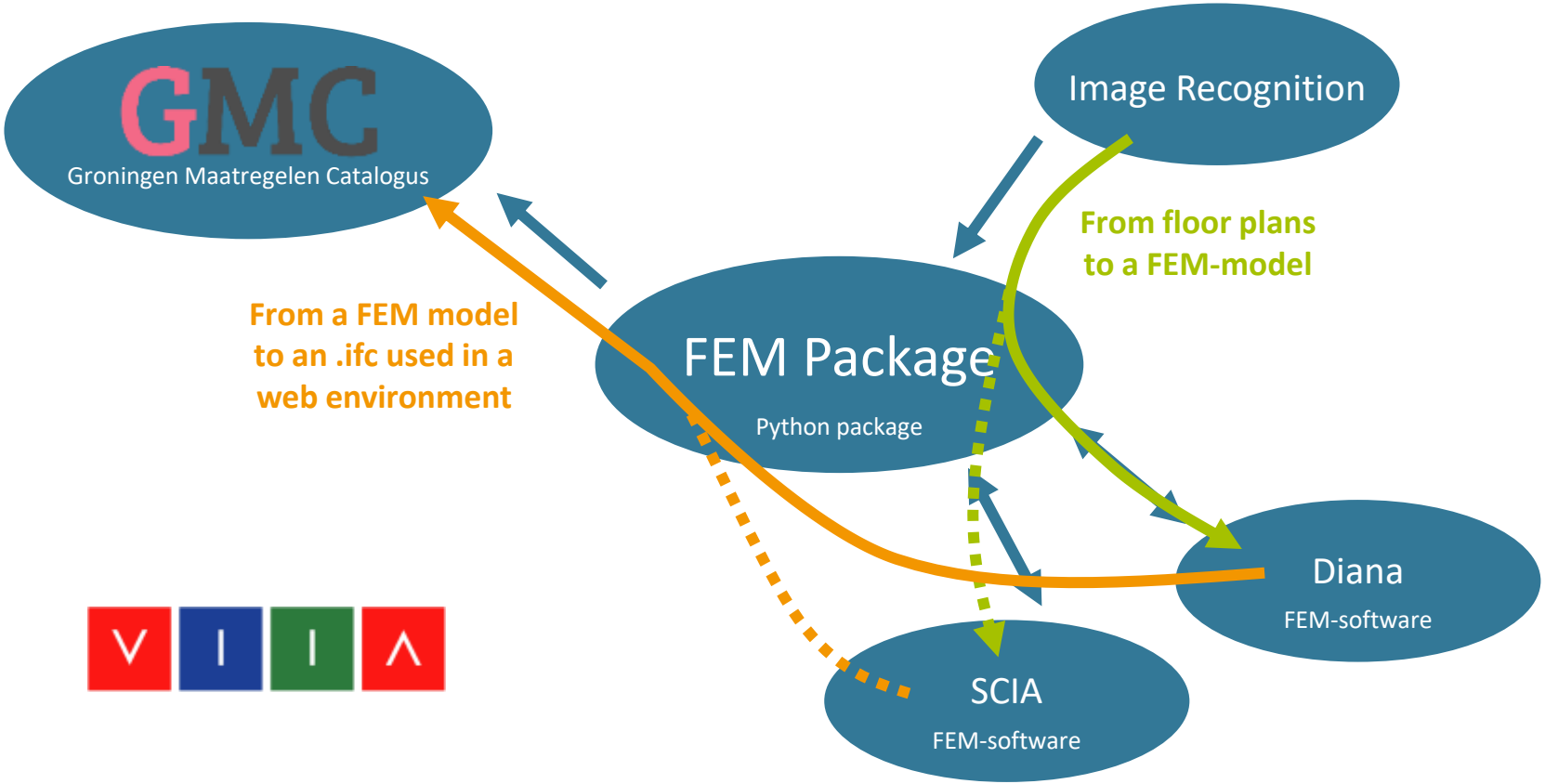

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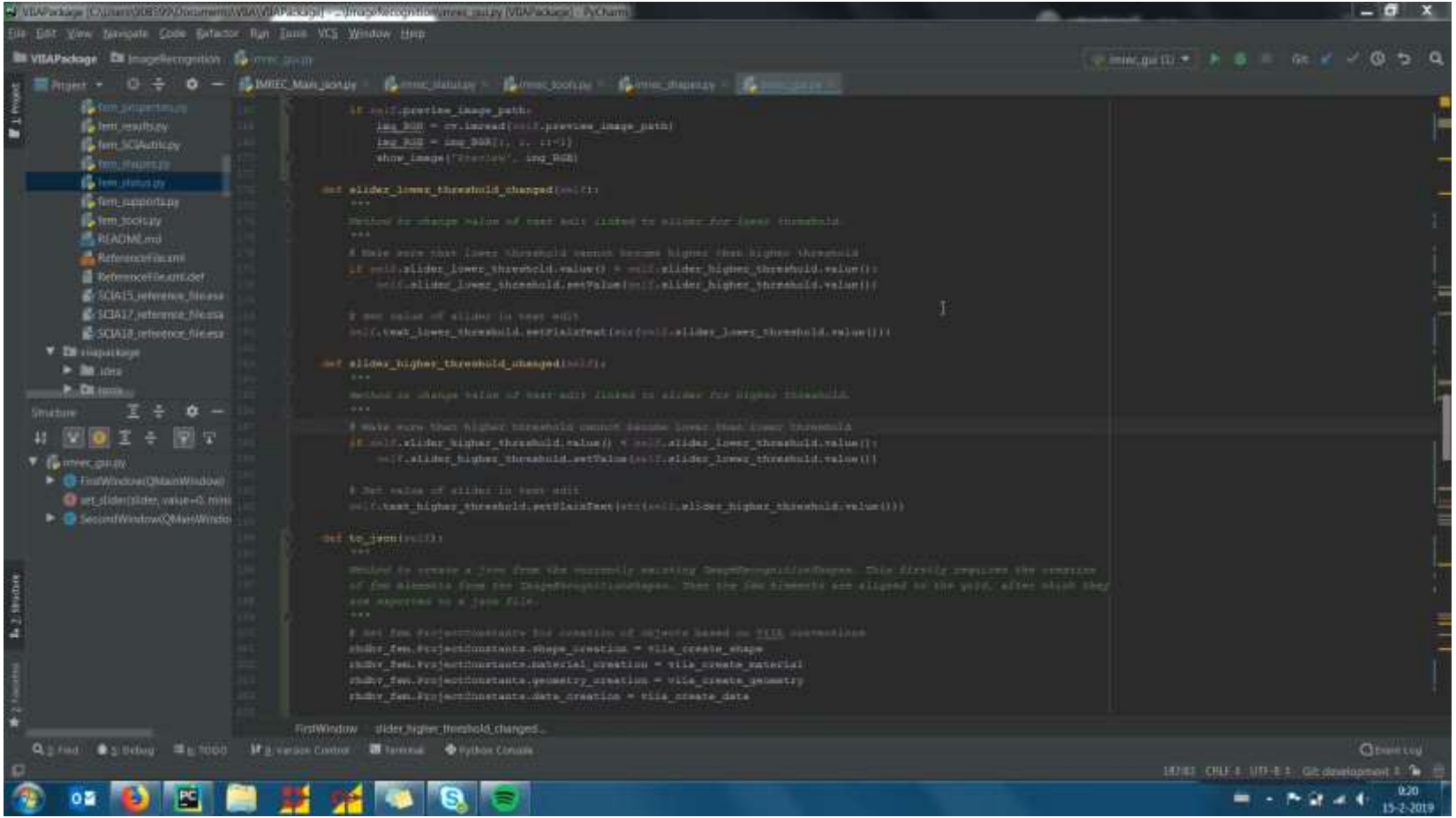

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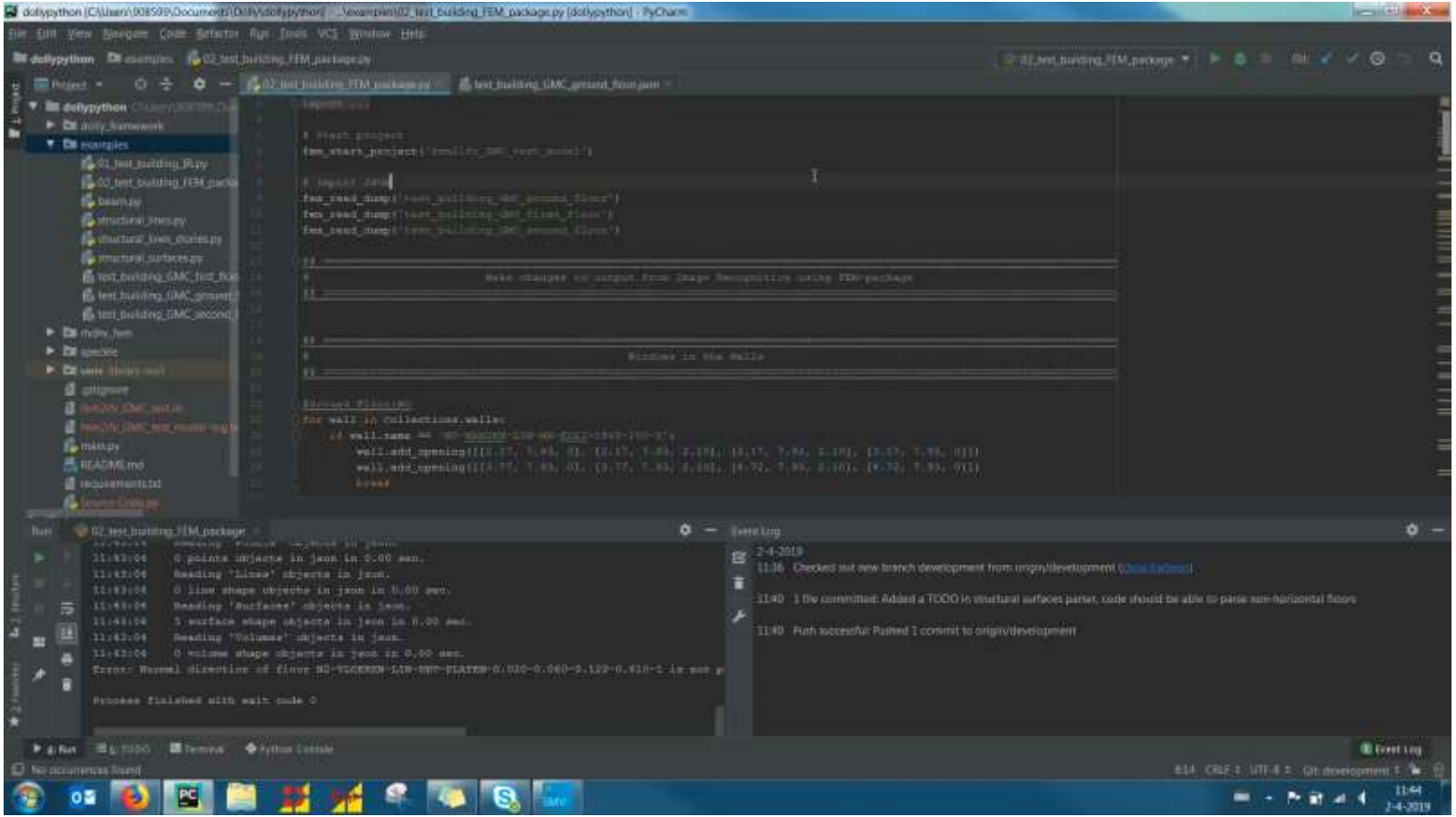

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