Improving Digital Workflows with openBIM

VIIA Project Groningen Netherlands

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03 april 2019
Improving Digital Workflows with openBIM
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.
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Groningen Retrofit Catalogue (GMC)
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
#APC_Snelgersmastraat_1-3 E (8)

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Objects (walls, floors) can be selected.

Different building layers can be turned on and off.
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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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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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GMC
Groningen Maatregelen Catalogus

Image Recognition

FEM Package
Python package

Diana
FEM-software

SCIA
FEM-software

.json

.ifc

.py

.xml
From a FEM model to an .ifc used in a web environment

From floor plans to a FEM-model

Image Recognition

Groningen Maatregelen Catalogus

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VIA VIA VIA

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