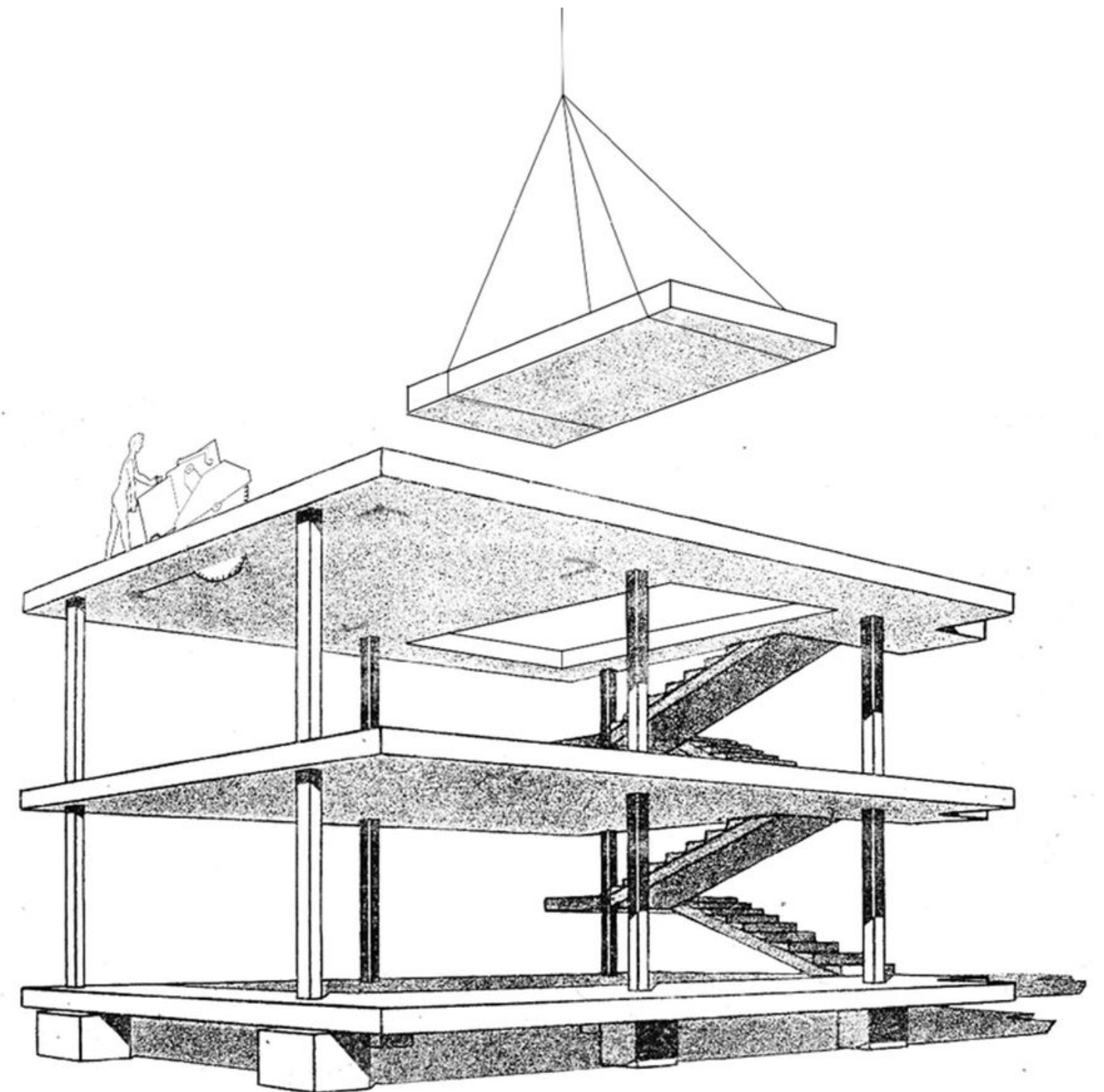
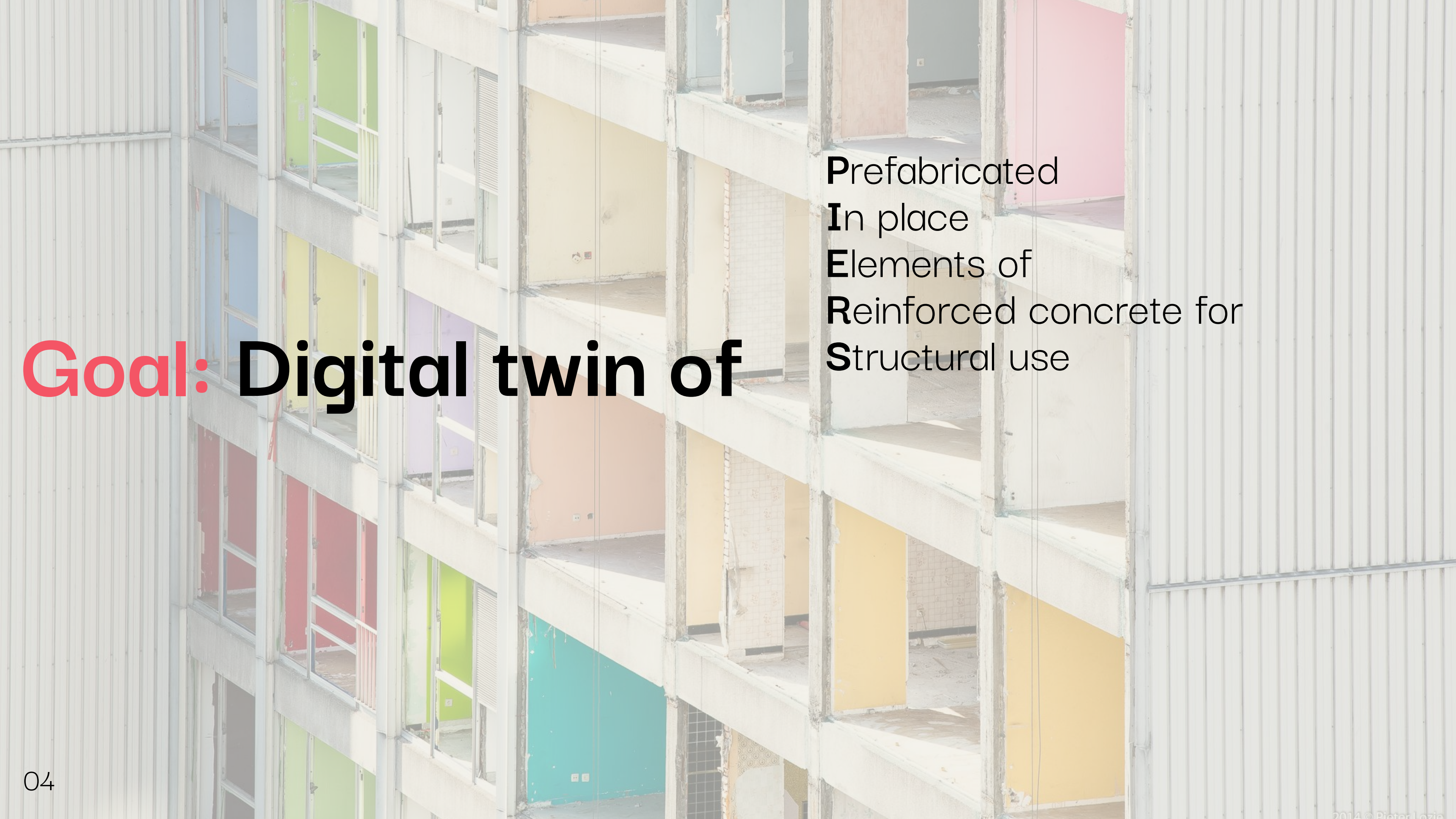


The **Load-bearing structure**
inherits up to **80%**
Embodied carbon





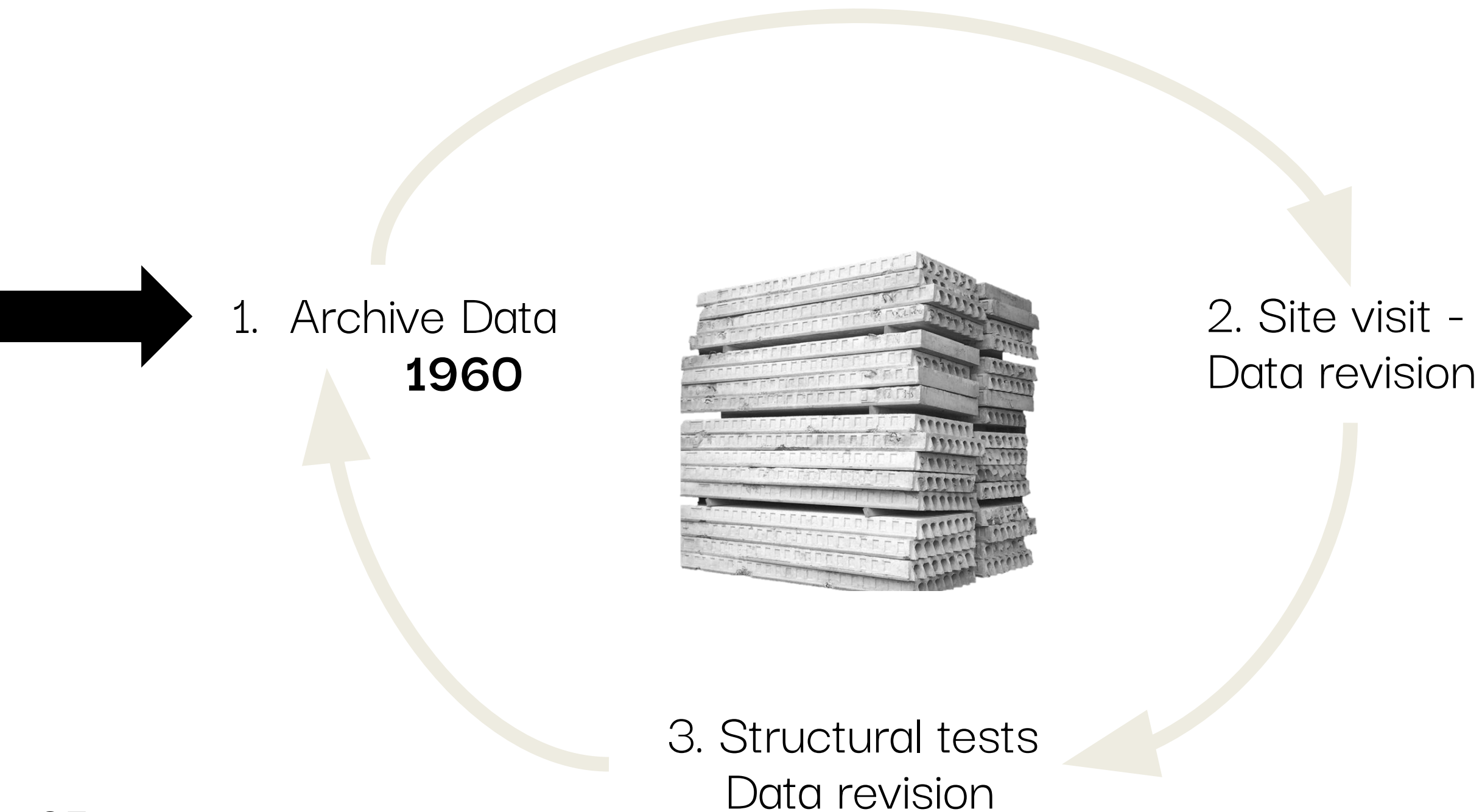




Prefabricated
In place
Elements of
Reinforced concrete for
Structural use

Goal: Digital twin of

User Journey



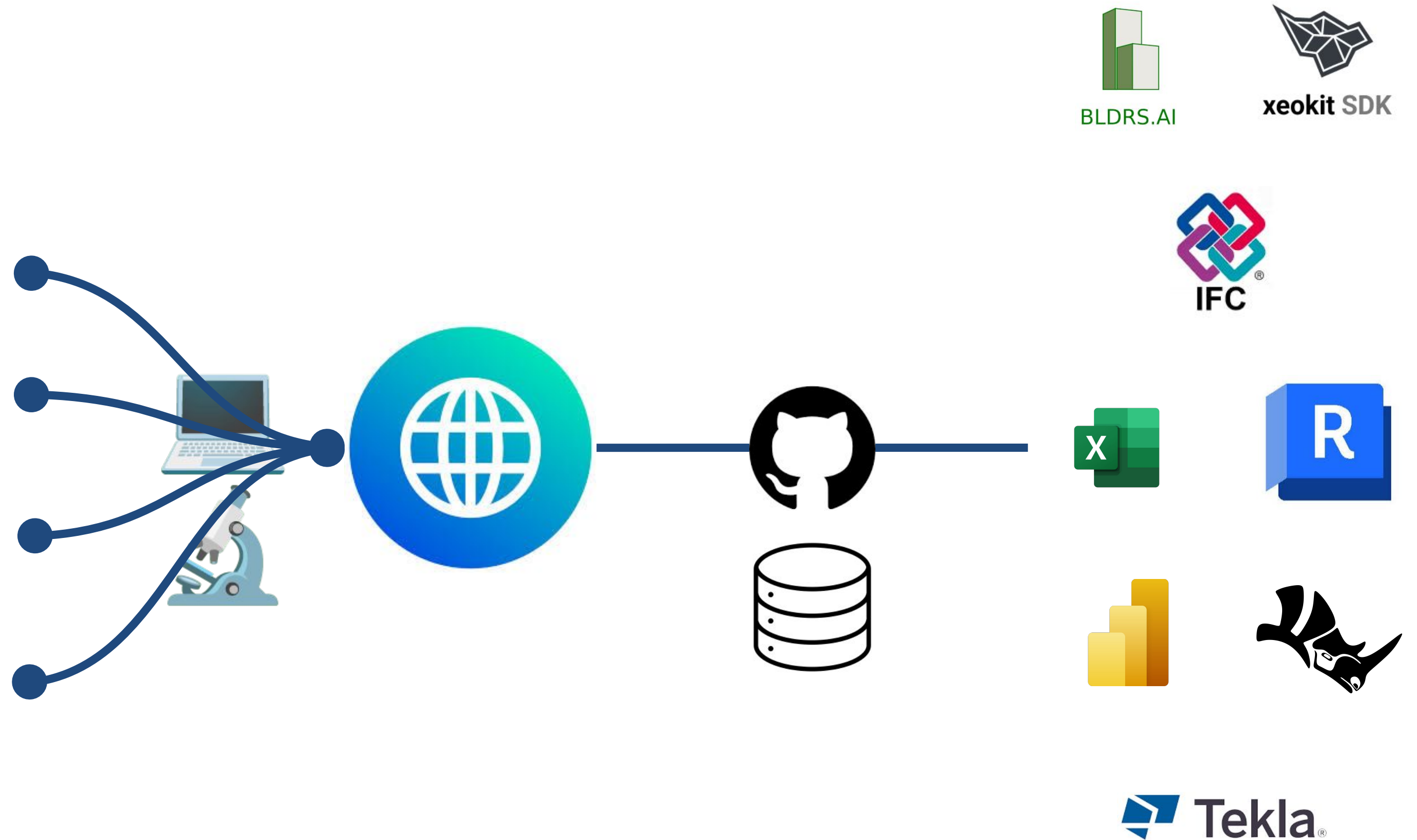
All need to **Edit and View** the Data

Engineer
Demolition company
Client
Architect
contractor

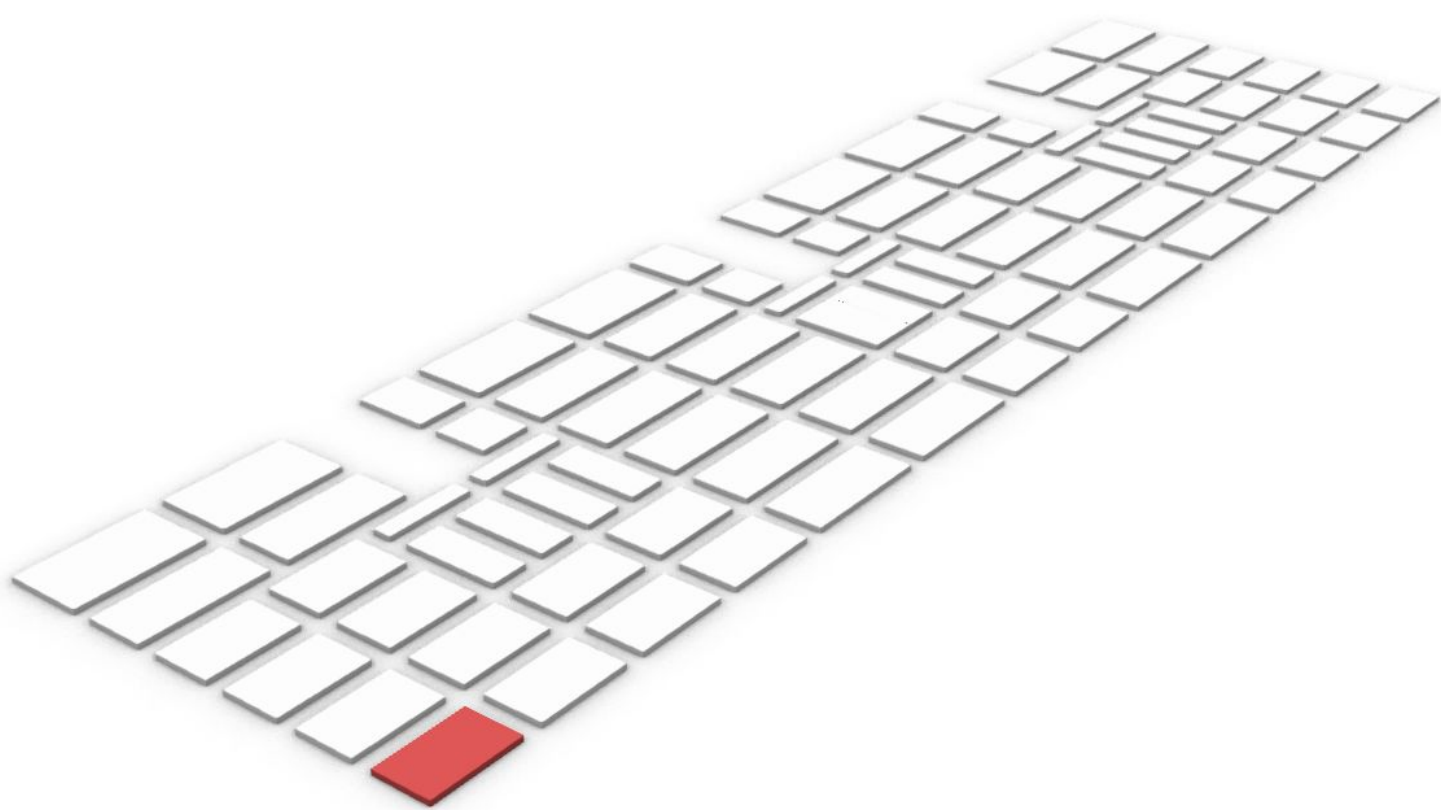
Avoid Noise



Tech



Initial model



Properties

Search

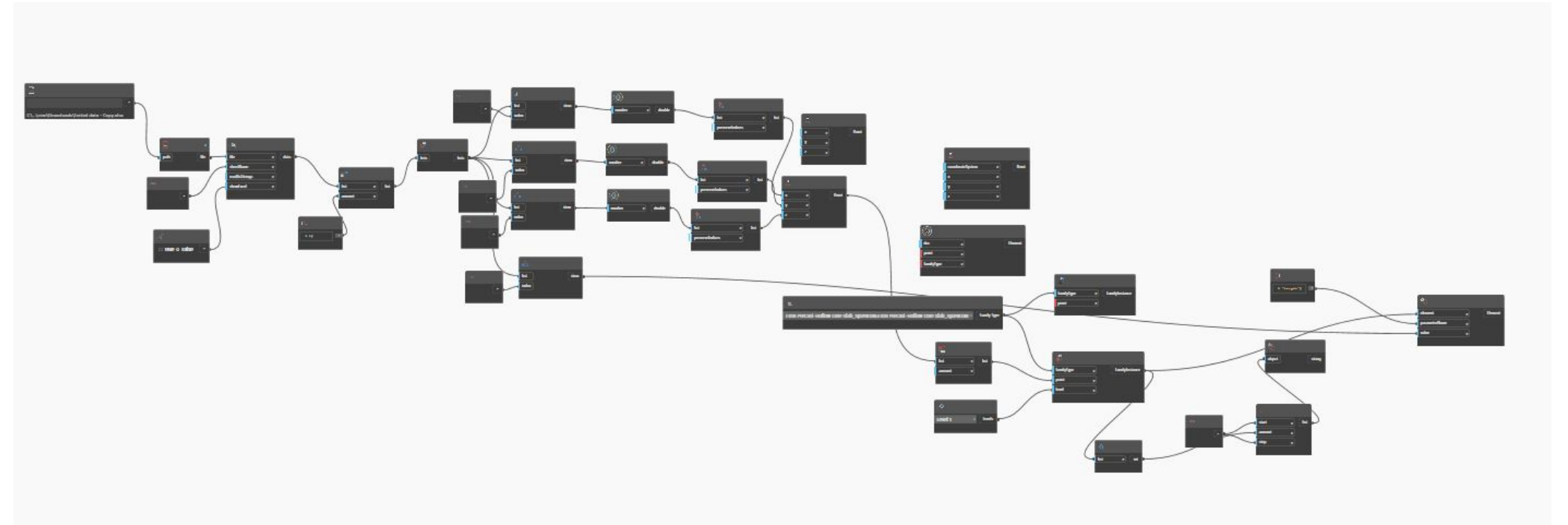
Key	Value
BakeName	Deck
Dimensions_h	180
Dimensions_l	3600
Dimensions_w	2377
Livload	2
Location_x	x
Location_y	x
Location_z	x
PlanReference	A-D/1-6
RebarAmountBottom	8
RebarAmountTop	0
RebarDiameterBottom	12.5
RebarDiameterTop	12.5
Strength	C25/30
Type	Type HC (3600,2377,180) (2kN/m2)
TypeOfElement	HC
Weight	2310.444

UDA list

Name	Value	Type
Type	Type HC (3600,2377,1	string
TypeOfElement	HC	string
RebarAmountTop	0	int
Livload	2	int
Dimensions_l	3600	int
Location_y	900	int
prolfcEntityOvrd	8	string
Dimensions_w	2377	int
RebarAmountBottom	8	int
Location_z	90	int
Location_x	1500	int
Weight	2310.444	double
RebarDiameterTop	12.5	double
RebarDiameterBottom	12.5	double



Tech



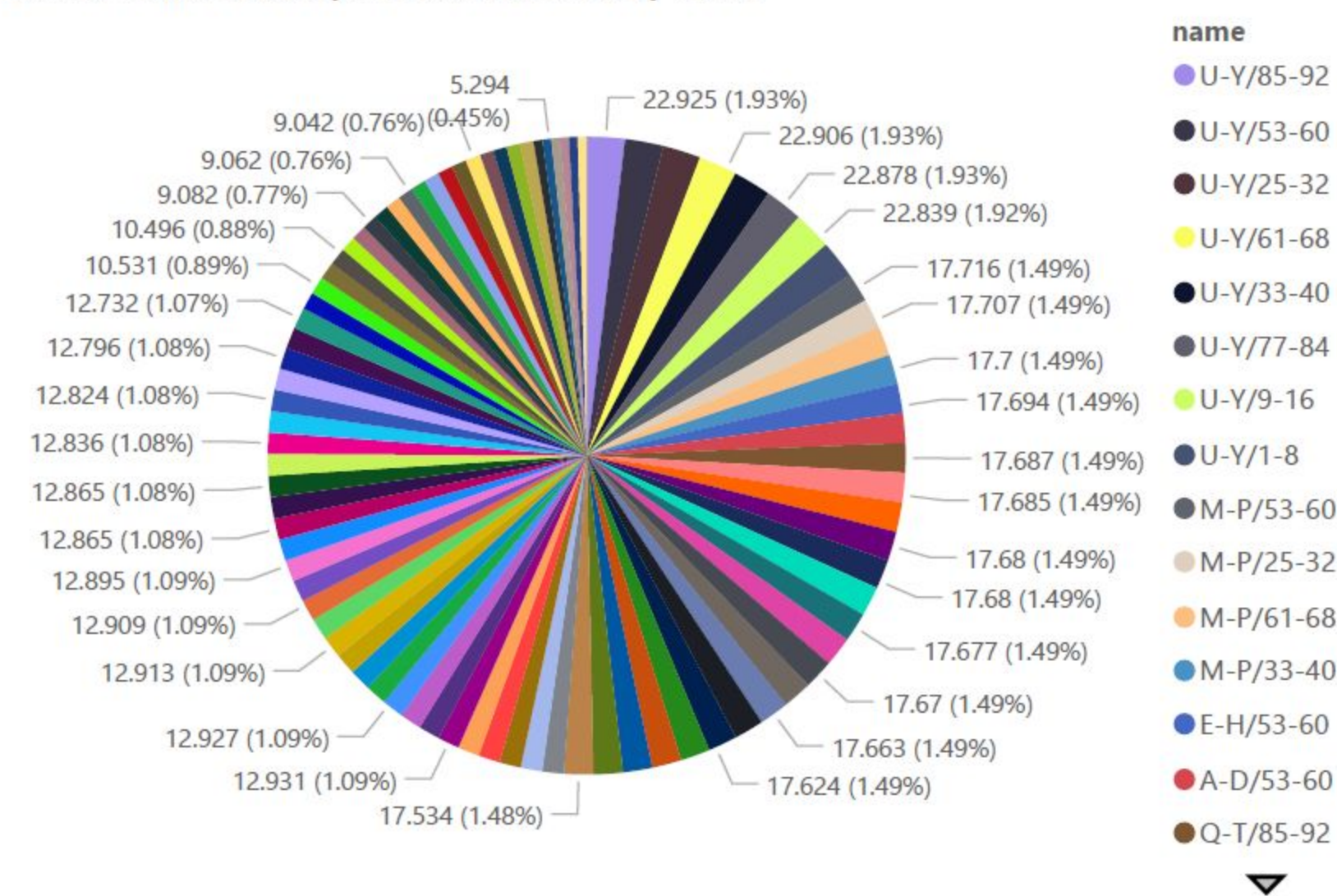
Load Revit Family into
existing models

Live Demo - Web App

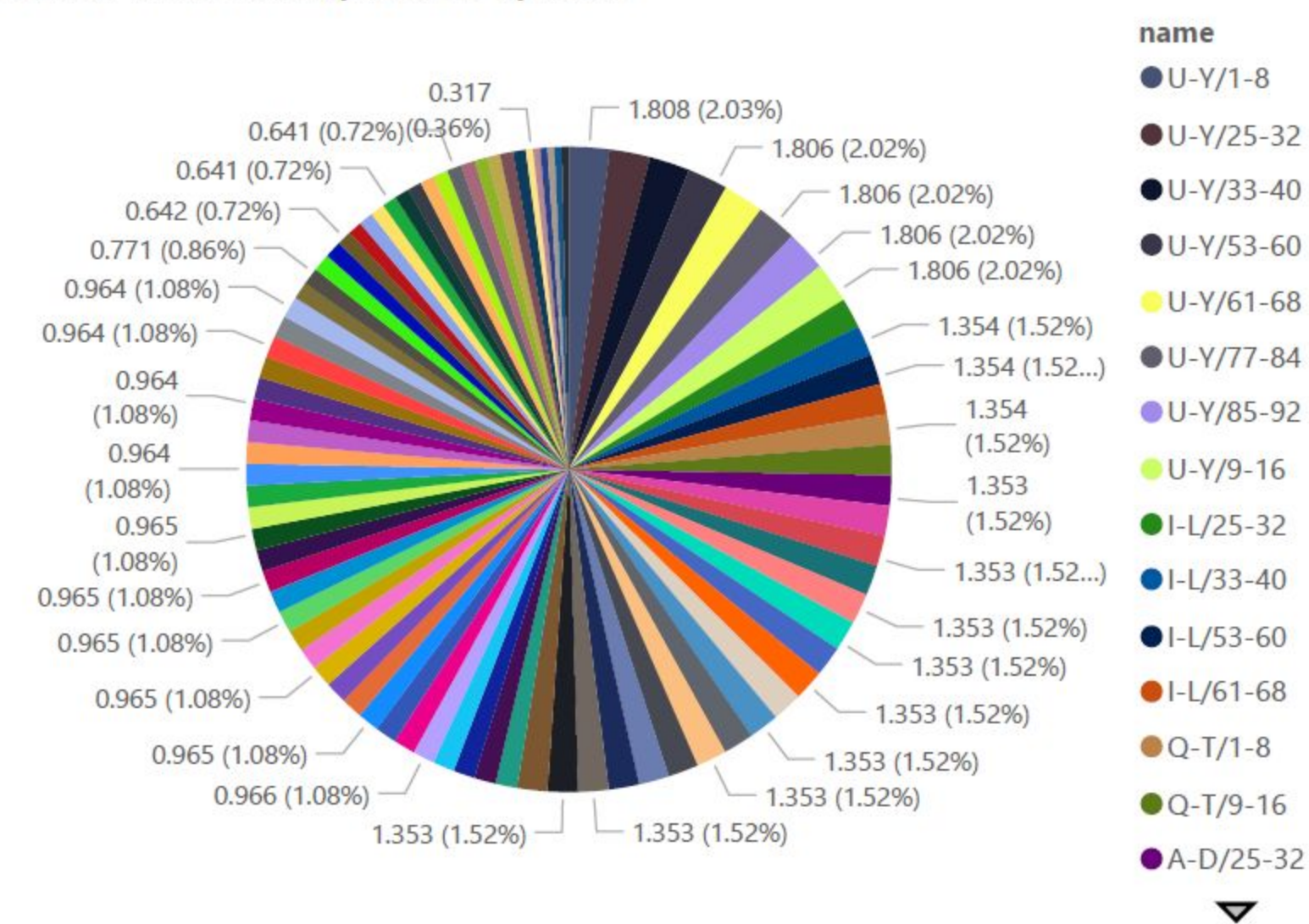
Cheeeeeeers!!! :)



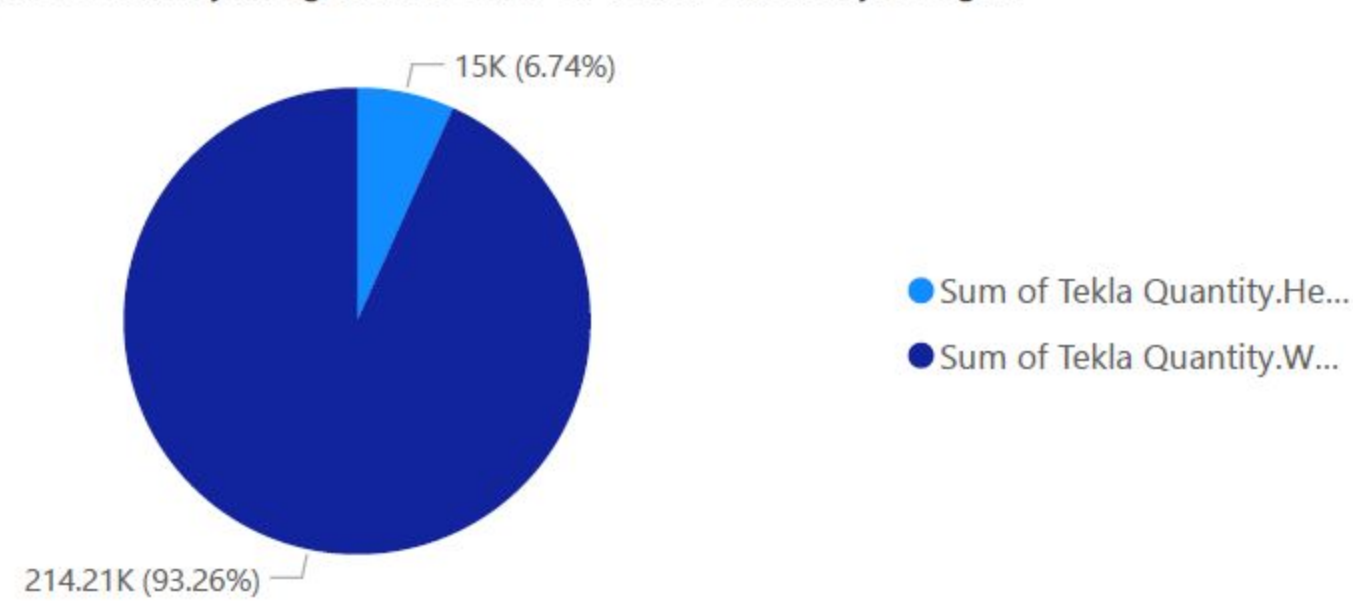
Sum of Tekla Quantity.Net surface area by name



Sum of Tekla Quantity.Volume by name



Sum of Tekla Quantity.Height and Sum of Tekla Quantity.Weight



Sum of Tekla Quantity.Volume by Pours.Pour Material

