Digital Translators have a passion for working with the business while contributing a depth of analytical and technical expertise. They have strong **problem solving and project management skills** involving digital solutions. Digital Translators combine business knowledge in a certain sector or market with digital **knowledge** so they can create use cases given the client's problem. Digital Translators may **have minimal experience in building digital solutions**; their role is supported by training courses focused on building basic digital skills in a business context.

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What we seek in this training:

The new killer app

Data collection

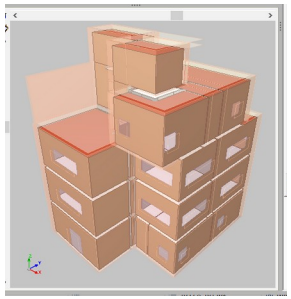
Objective measurements

Dynamic measurements

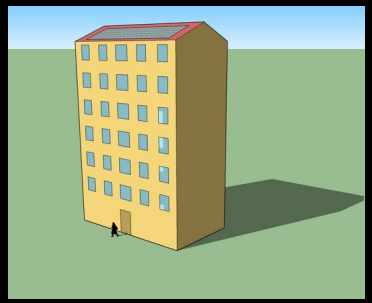
Subjective measurements

Energy and IEQ data

BIM

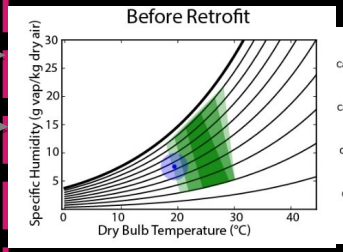


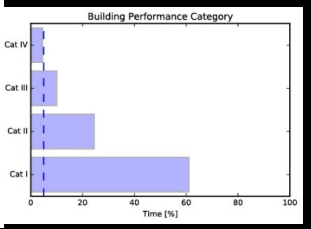
Building Energy simulation



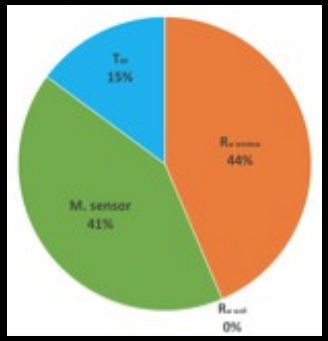
Performance assessment

AS-IS scenario

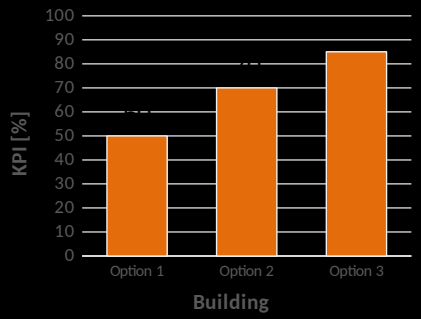




Sensitivity Analysis



Renovation/Operation scenarios



BIM SPEED
Cloud Platform

Decision-making process

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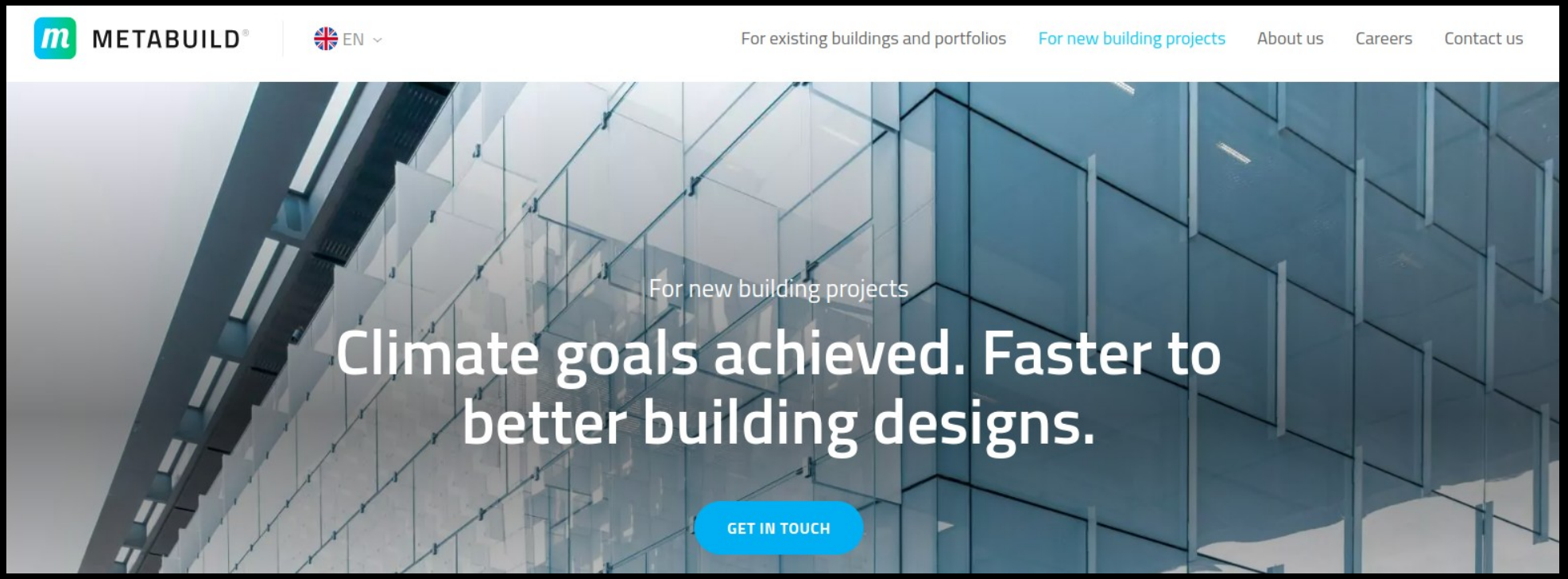

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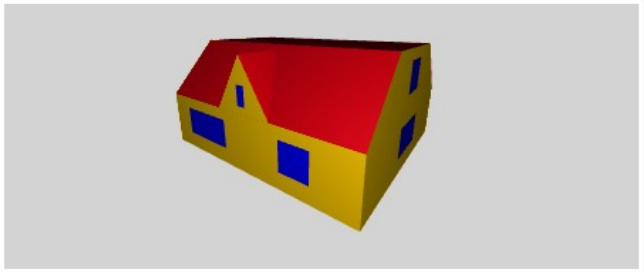
Investment Costs
per sqm
€ 1,139
Total invest: € 224,751

Operational Costs
monthly , per sqm
€ 0.90
Total monthly operational Costs: € 176.81

The resulting life cycle cost is € 1,336 per sqm



Comfort Performance

Comfort Level 1

Lighting Comfort	Thermal Comfort	Air Quality
Score 10/10	Score 6/10	Score 0/10
47.96 %	58.34 %	81.94 %

Environmental Performance

Environmental Performance Level

Primary Energy	CO_2	Water Consumption
Score 10/10	Score 10/10	Score 0/10
59.48 kWh/m²a	26.11 kg CO_2/m²a	9.60 l/m²a

Energy consumption Heating	Energy consumption Cooling	Energy consumption Electricity
Score 4/10	Score 0/10	Score 4/10
51.00 kWh/m²a	0 kWh/m²a	46.08 kWh/m²a

Energy consumption Total	Primary energy factor	Embodied primary energy (non-renewable)
Score 4/10	Score 3/10	Score 0/10
47.20 kWh/m²a	1.76	0 kWh/m²a

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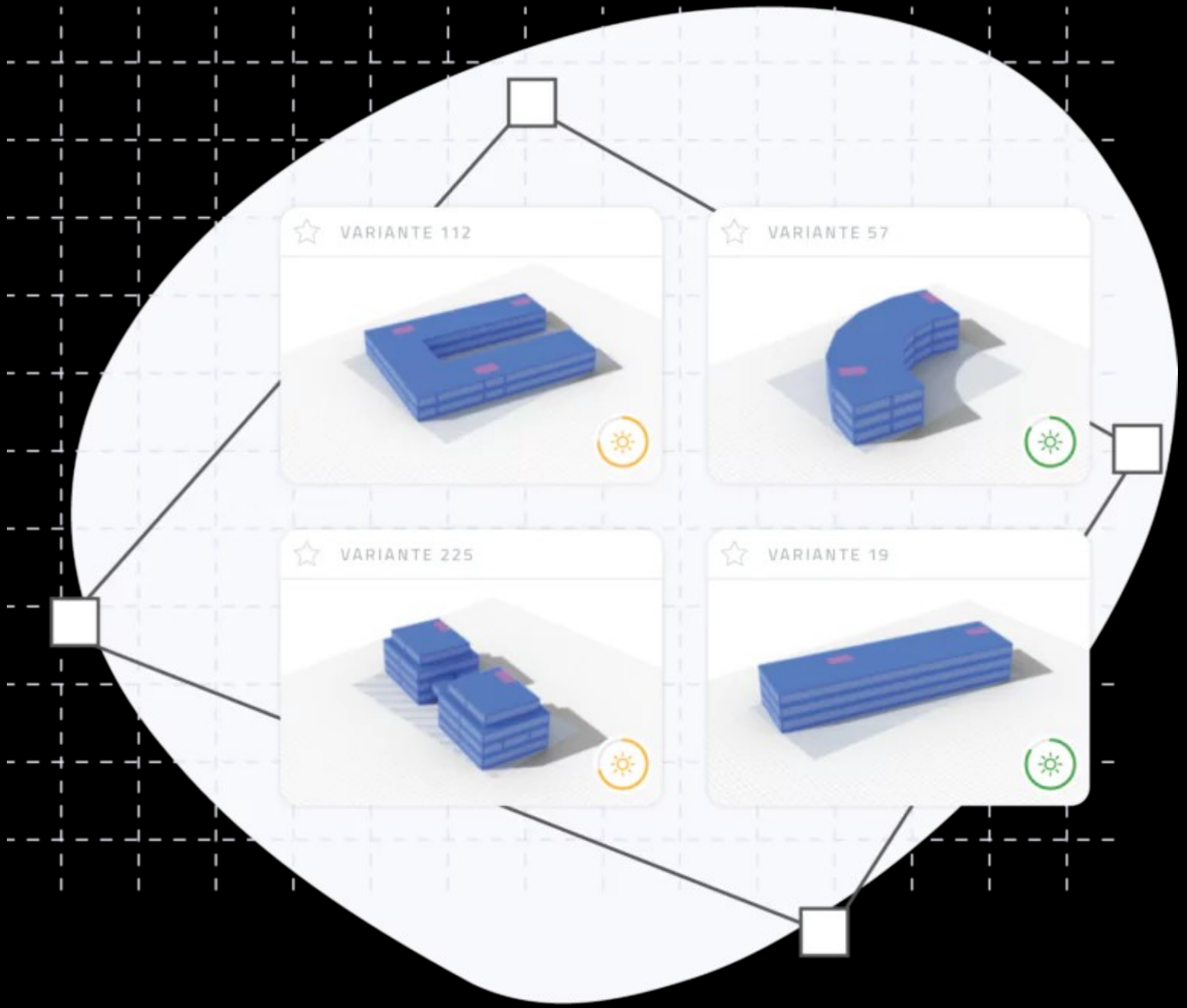

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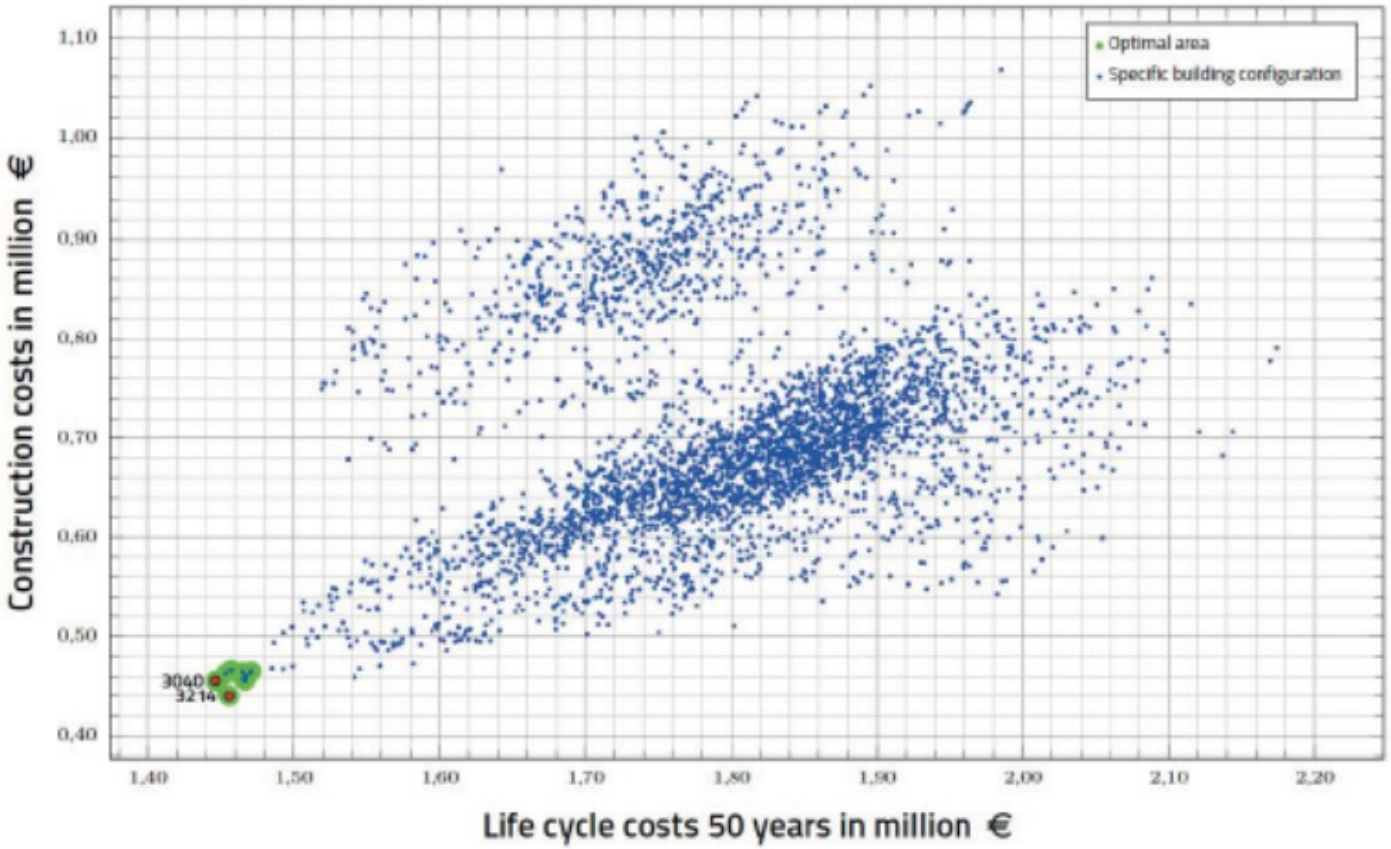
2.1 Construction costs vs. life cycle costs



Each point represents a generated design solution. The solutions marked in green show optimal trade-offs between construction cost and life cycle cost. Life cycle cost include construction cost, energy cost, maintenance cost, reinvestment, energy price increases, inflation and discounting over the next 50 years.

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3.1 Performance overview

	Scenario 1	Scenario 2	
Summary	AI-generated solution (ID 3040)	AI-generated solution (ID 3214)	
Investment costs	0.46 Mio. €	0.44 Mio. €	−3.53 %
Operating costs	1.44 €/(m² GFA · month)	1.47 €/(m² GFA · month)	+2.14 %
Life cycle costs	1.45 Mio. €	1.46 Mio. €	+0.65 %
Gross surface (GFA)	1,721.83 m²	1,721.83 m²	
Residential surface	1,533.10 m²	1,533.10 m²	
Surface efficiency (UA/GFA)	89.04%	89.04%	
Rental income	4.08 Mio. €	4.10 Mio. €	+0.39 %
Primary energy	11.77 kWh/(m² GFA · a)	13.72 kWh/(m² GFA · a)	+16.50 %
CO_2-Balance	3.15 kg CO_2/(m² GFA · a)	3.40 kg CO_2/(m² GFA · a)	+7.90 %
Daylight comfort	Score: 2/10	Score: 2/10	
Thermal comfort	Score: 6/10	Score: 6/10	
Air quality	Score: 10/10	Score: 10/10	

*On the basis of the transmission heat loss according to GEG.

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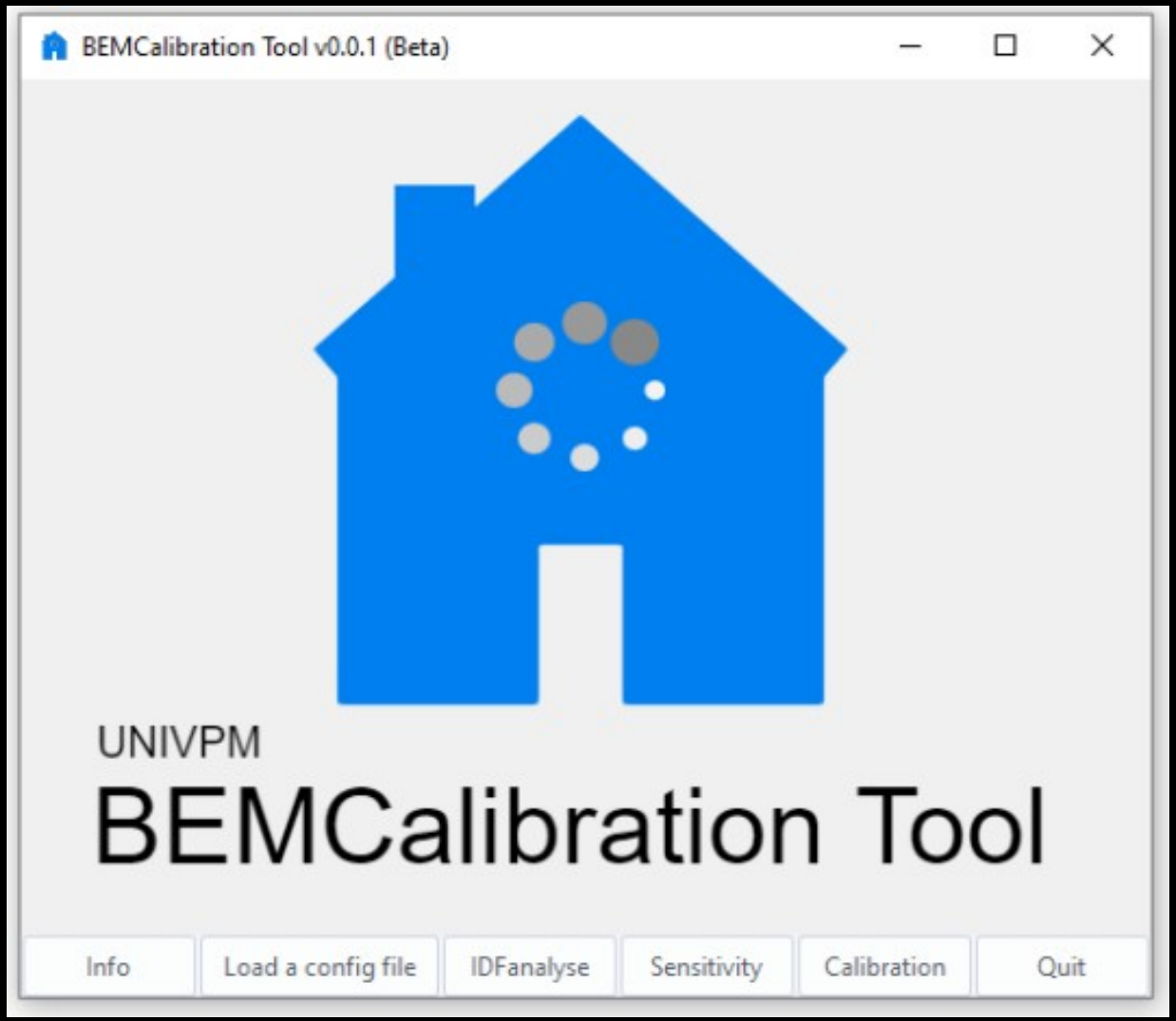

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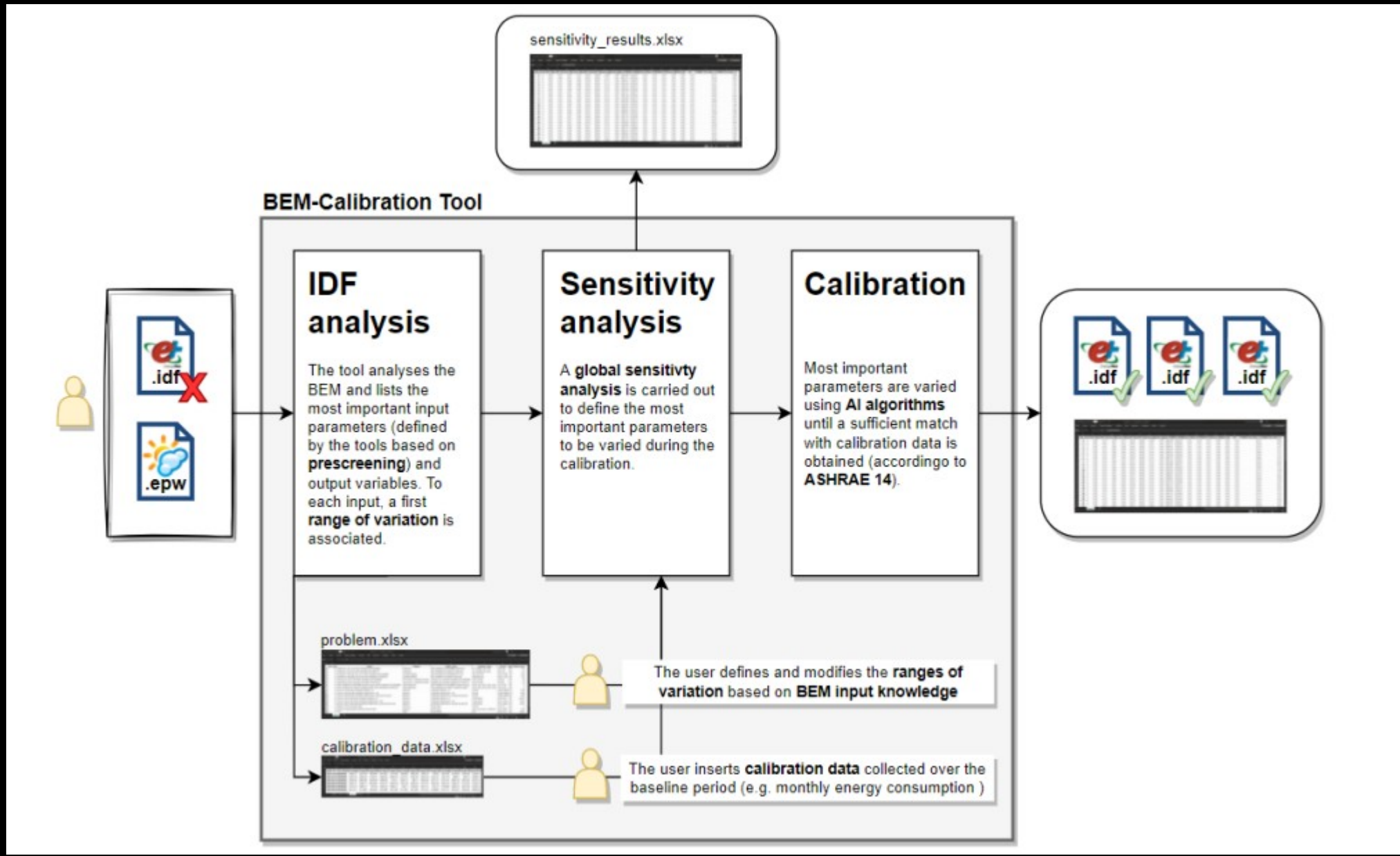

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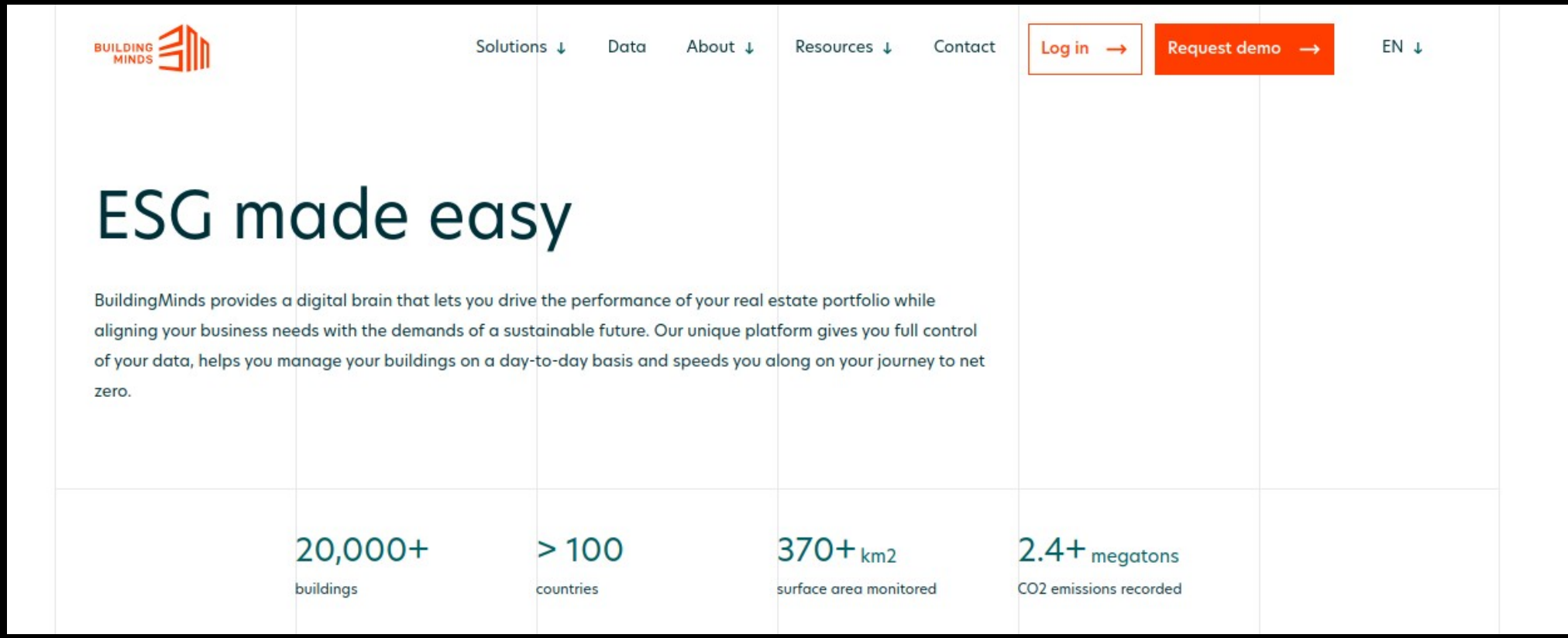

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Demystifying technology …..

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Demystification of digital technologies refers to the process of making complex or seemingly mysterious digital technologies more understandable and accessible to a broader audience. Digital technologies encompass a wide range of tools, systems, and concepts, including computer software and hardware, the internet, artificial intelligence, blockchain, and more. These technologies can often appear complex and bewildering to those who are not well-versed in the field.

Generated with ChatGPT

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Simplifying jargon: Removing or explaining technical jargon and acronyms that can be confusing to non-experts.

Analogies: Using analogies to relate digital technologies to familiar concepts. For example, comparing cloud computing to renting storage space in a warehouse.

Visual aids: Using diagrams, charts, and visual representations to illustrate how digital technologies work.

Tutorials and guides: Providing step-by-step instructions and tutorials to help people understand and use digital technologies effectively.

Real-world examples: Sharing real-world examples of how digital technologies are being used in everyday life or in specific industries.

Plain language explanations: Presenting information in plain and straightforward language, avoiding technical jargon whenever possible.

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Demystification is essential because it empowers individuals and organizations to make informed decisions about adopting and using digital technologies. It can also bridge the digital divide by making technology more accessible to people with varying levels of technical expertise.

Demystification efforts are essential to foster innovation around new digital solutions. It is the essential part of any training for digital translators.

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