vyzn

Spin-off

ETH zürich

Start-up innovation project supported by

Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Innosuisse – Swiss Innovation Agency

GROUND_ BREAKERS

TUM VENTURE LABS

building AWARD nominee

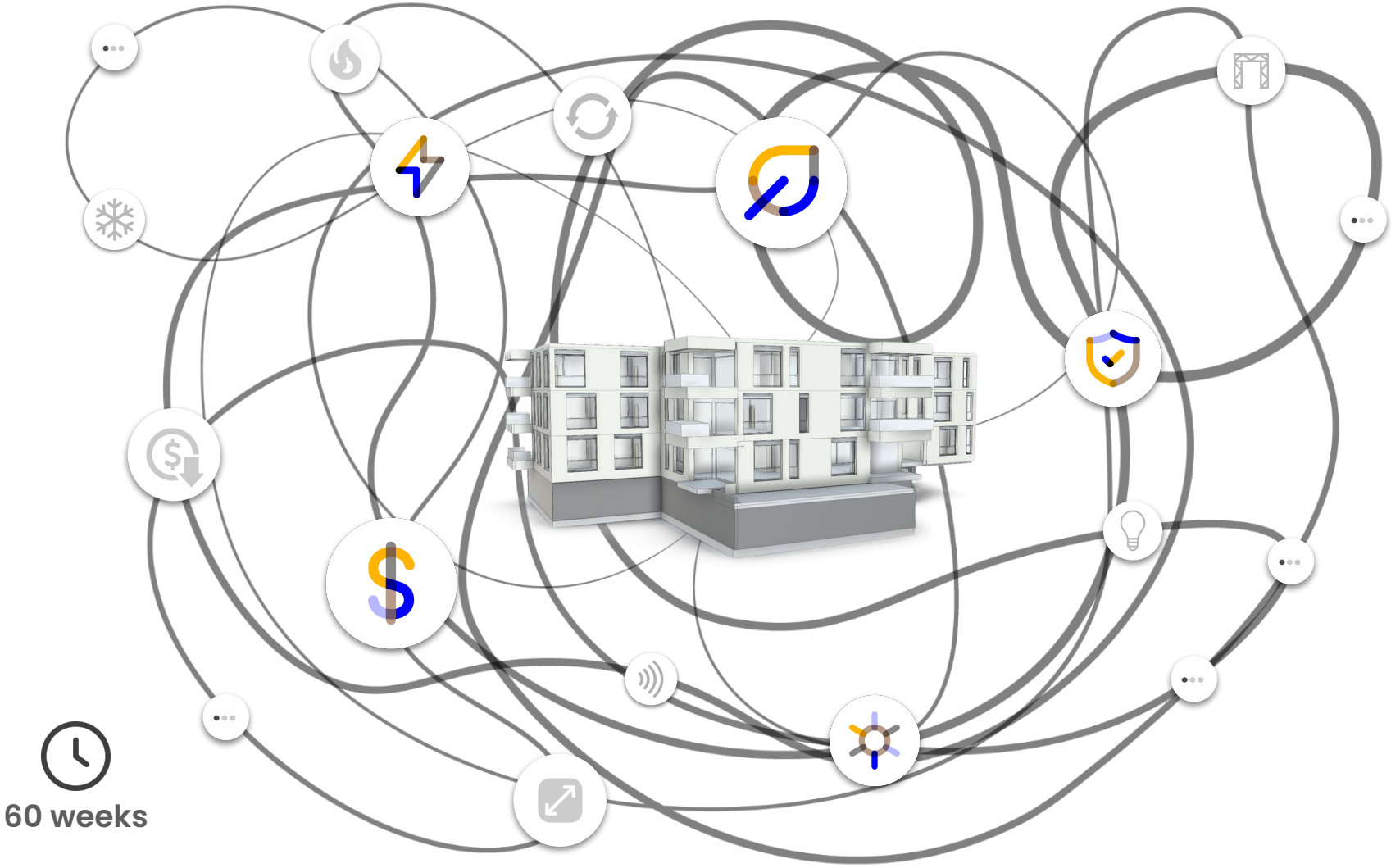
expo real IMPACT AWARDS 2024 TOP 20

DIGITAL TOP 4 SCHWEIZ 2025

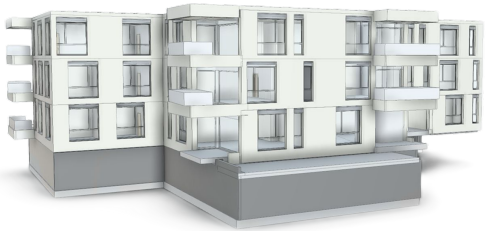
GREEN BUSINESS AWARD nominee

STARTUP NIGHTS Seed Stage Winner

EU-Startups SUMMIT TOP 15


60 weeks

Already available
3D model



Clean-up and
enrichment

<10 min

vyzn

Emissions

Finance

Comfort

Energy

Safety

vyzn AI

Plan Efficiently
Build Sustainably

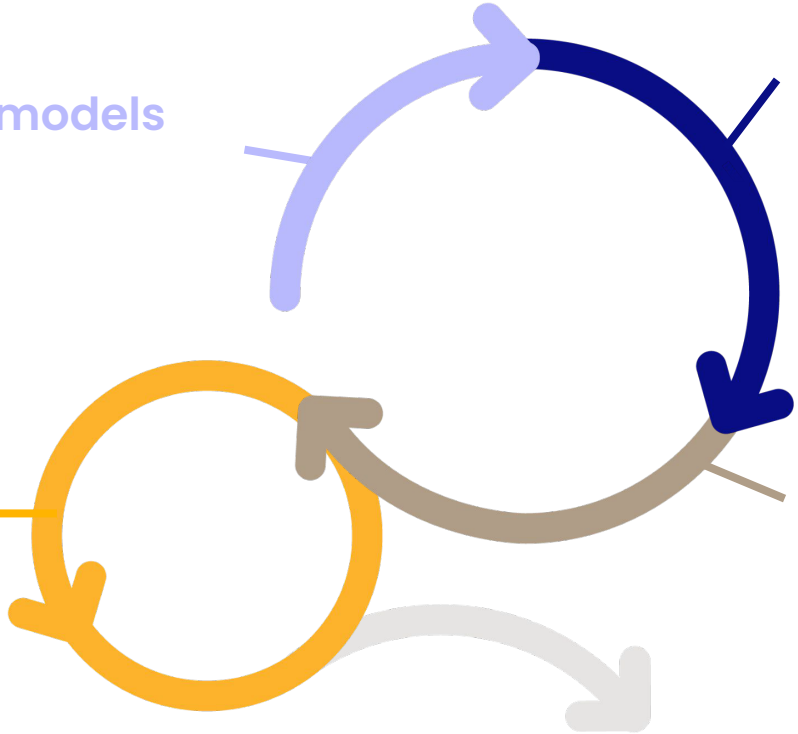
Hey vyzn! Help me improve a project.

Sure. Just give me a minute!

A 2% reduction in the window area on the south side results in lower CO2 emissions, increased comfort, and reduced costs.

Upload 3D models

Reference model AI

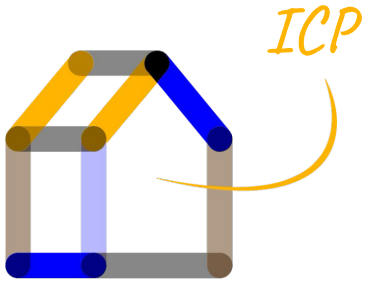


Optimizer AI

Automatic analysis

Obtain all reports and documents required for various certifications.

SNBS MINERGIE® DGNB EU CSRD



Project developers

- Owners
- Architects
- Real estate developers
- General contractors
- ...

Better buildings

- Less CO2
- Affordable houses
- Higher comfort
- ...

+5% profits

Optimization

Accelerating Growth: 70+ projects in 12 months

Over **1M tCO2e**
saved per year by 2028

Expand into **5 new countries**
within the next 18 months

Over **50 customers** and
3 million m² optimized
since market entry

Alfred Müller · hrs · Implenia · SENN · halter · PENZEL_VALIER_ · ABZ · REM3

Success Story

DISTRICT KANZLEI by ABZ

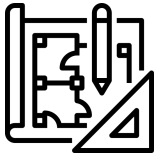
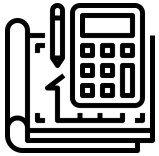
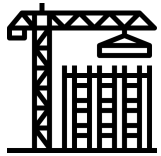
Challenge

- **Build affordable apartments** that meet the housing subsidy requirements of the City of Zurich
- **Identify and compare sustainable construction methods** to reduce CO2 emissions to a minimum

ABZ

Allgemeine Baugenossenschaft Zürich

- **3D models optimized** using vyzn's AI
- **Automated** analysis and rapid variant study
- **Multiple project variants compared**: e.g. hybrid construction (massive structure, wooden facade) or two timber construction variants
- Findings show that timber construction causes **20% fewer GHG emissions** compared to hybrid construction. However, the cost analysis indicates that timber construction is **5% more expensive**
- **Fast, actionable insights** that supports decision-making

Strategic planning	Preliminary study	Project	Invitation to bid	Implementation
				

248k multi-storey projects per year*

88k developers and engineering offices*

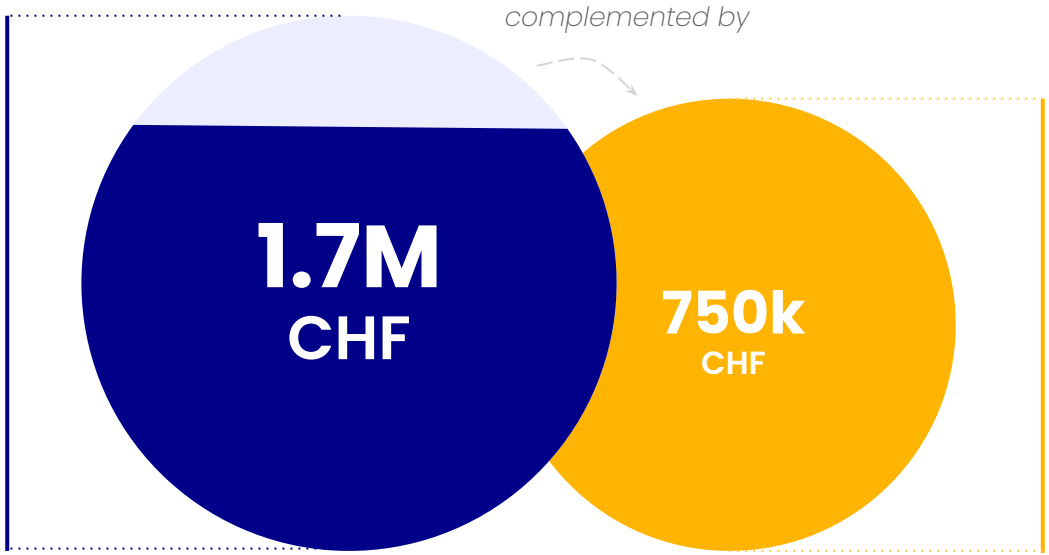
SAM 66.4 bn CHF

SOM 6.6 bn CHF

*includes DACH, France, Italy, Spain, Scandinavia

Seed round target volume **1.7M CHF**, complemented by a 750k Innosuisse grant

Round led by a renowned Swiss VC



Start-up innovation projects (SIP) Innosuisse

A+ team of Architects, Engineers and Software Developers

Adrian
CEO

Martino
COO

Romana
CTO

Michael
CCO

Christian
PO

Dev-Team

+3

Board of Directors

Chairman
M. Beermann

Prof.
A. Altenburger

R. Staub

Advisory Board

Prof. Dr. M. Vogel
 # AI

M. Vogler
 # Engineering

Coaches

M. Frieden
 # GTM

B. Fischer
 # Fundraising

Imagine a world where construction projects are **automatically optimized** in every aspect to achieve their **sustainable** potential without compromising **comfort** or **profitability**.

Martino Tschudi
Co-Founder / COO
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