







Barcelona (ES) – Geleen (NL)

Funded by













Purpose:

Redefining the thermal envelope materials for energy-efficient and sustainable buildings.





Problem to solve:

The lack of energy-efficiency in buildings is a major contributor to CO2 emissions (39%)

FREQUENCY

80% of existing buildings are not energy-efficient



SEVERITY

Up to 70% of the energy-leaking can be caused by old or damaged windows



URGENCY

35% of existing windows must be
replaced within the
next 8-10 years



OPPORTUNITY

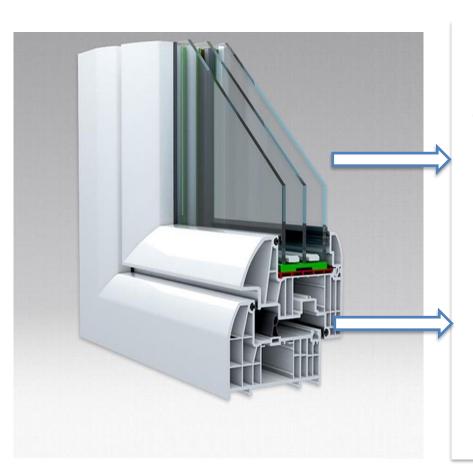
>70% energy-efficiency
renovation actions are
Windows replacement





Opportunity:

The frame is the most important and less energy-efficient component in the window



GLAZING RADIATION

Triple glass >0.5 W/m2K Double glass >1.0 W/m2K **GLASS**

High Insulation

PROFILE THERMAL TRANSMITTANCE

PVC >1.5 W/m2K

Aluminiun >2.2 W/m2K

Timber >1.2 W/m2K

FRAMES

Low Insulation





Our solution:

- ► Energy Efficient (Uf = 0.8 W/m2K)
 32% higher than best performing alternative (PVC)
- Acoustic Damping (-10 dB)
 55% better than best performing alternative (Timber)
- Durable (30-40 years)
 Similar or even longer lifespan than competitors
- ▶ Lightweight (400 kg/m³) 35% lighter than lighter material (Aluminium)
- Sustainable (180 kgCO2/kg)
 Only 15% higher than Timber
- Circular by design (up to 100% recyclable)
 Single material and easy-to-repair/reuse/recycle

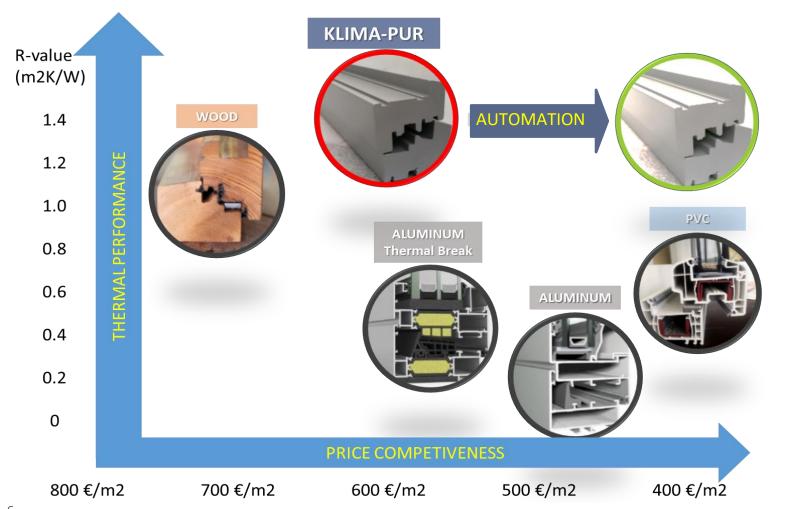
We created frames made from foamed biobased Polyurethane





Market positioning:

KLIMA-PUR is a top performance material requiring price competitiveness & scalability





Funding needed to scale up production and automate the manufacturing process



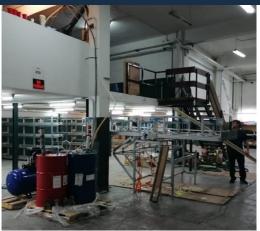


The way up to here:

Unique manufacturing technology for unique product in the market



Prototyping (Pre-market product)



Industrialization (Manufacturing Pilot Plant)



Product market fit (B2C) (End users as customers)



Demo Pilots (B2B) (Architects as customers)



Technology Automation (Window producers as customers)

MILESTONES









-TARGET-Large scale productivity 💫

2019

2020

2021

2022

2023

2024

2025



IP Strategy:

3 Levels of industrial protection for a unique disruptive technology concept

MANUFACTURING TECHNOLOGY



Molding process

PATENT (EU granted, pending UK, US, CAN, CN, JP, KR)

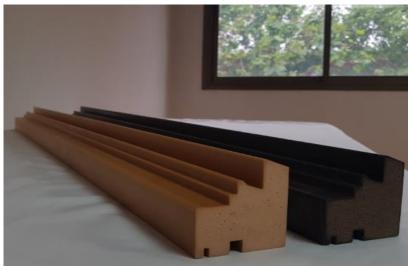
PRODUCT



Product design

TRADEMARK (EU granted)
INDUSTRIAL DESIGN (pending)

MATERIAL



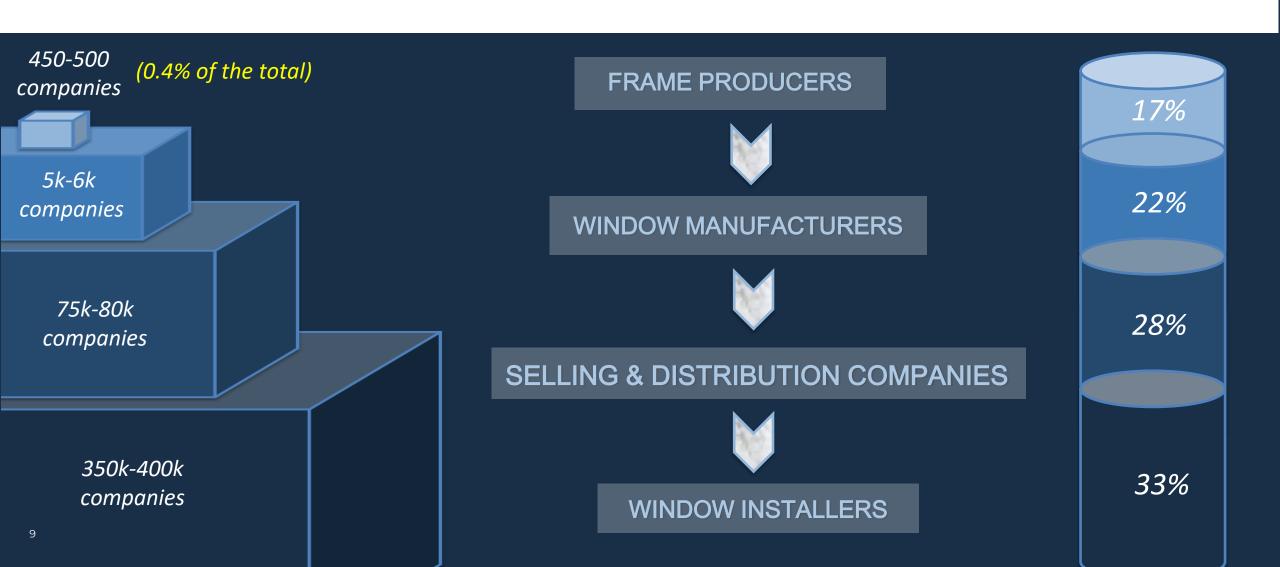
BioPUR formulations (60-70% biobased)

TRADE SECRET



Value chain:

This is a highly fragmented market where no company has 2-digit market share





Market Strategy:

We offer both B2C and B2B clients a groundbreaking window frame

ENTRY STRATEGY

B2C Customers

HOUSES & BUILDING RENOVATIONS Local market (ES, NL)

Market traction & brand awareness





DEPLOYMENT STRATEGY

B2B Customers

WINDOW MANUFACTURERS European market

Internationalization & network expansion





SALES OF WINDOWS

(Conditioned by low scale frame production)

SALES OF FRAMES

(Large scale frame production needed)



Market size:

The Window market is hot, and is expected to grow to €200bn

Worldwide window market TAM > €200 billion EU window market SAM €25 billion EU efficient-window market SOM **EXPECTED MARKET GROWTH** €8 billion 5,8% CAGR (from 2024 to 2028)



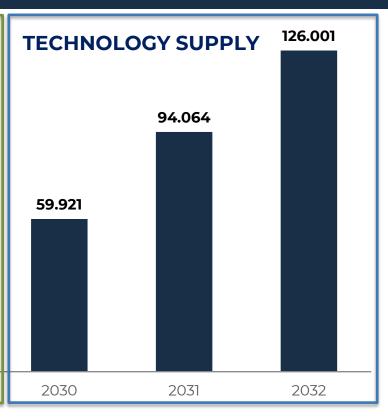
Sales Forecast:

(Total Sales in k€)

The technology automation is key for business upscaling and international deployment







Pilot demo plant (1.200 m2)

 \longrightarrow

1 Automated plant (15,000 m2)

 \longrightarrow

5-8 Licensed customers



Our Finance Request:

We request 3M€ to 1 or 2 co-investors to lead a 8.5M€ round with the EIC

WE NEED

☐ EU funding: 2.5 M€ (EIC Accelerator grant)

3 M€ (EIC Accelerator equity)

☐ Investors: 3 M€ (1-2 leading co-investors)

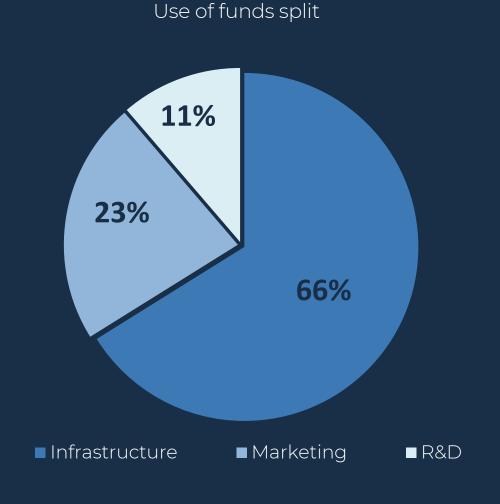
WE OFFER

☐ Shares in exchange: Up to 30-35% shares

☐ Exit plan: **To negotiate**

ALREADY RAISED

☐ EU Grants: 3.6 M€

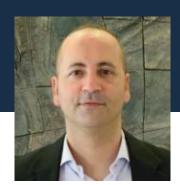




Core Team & Ecosystem:

Expertise, High Education and prominent collaborative ecosystem

EXECUTIVE BOARD



Pablo (CEO) *MSc Chemist*Company vision



Vincent (CBO)
PhD Chemist
Market explorer



Angela (COO) Engineer Supply chain



Ulises (CFO)
PhD Economist
Financial Strategy

CORE TEAM



Enrique (Acountant)
Accountant
Financial
administration



Guzide (R&D)PhD Architect
Project Manager



Ashwin (R&D)
PhD Chemist
Materials expert



Joan (R&D)
Technician
Applications expert

CHEMICAL PARTNERS









TECHNOLOGIC PARTNERS









INTERESTED WINDOW MANUFACTURERS











Redefining the thermal envelope materials for Sustainable Nearly Zero Energy Buildings.



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