



Rebuilding our world



The construction & buildings sector is not on track to decarbonize by Paris 2050.

UNSUSTAINABLE CONSTRUCTION
IS **GROWING FASTER** THAN
SUSTAINABLE CONSTRUCTION

AFFORDABLE CO₂-NEGATIVE
CONSTRUCTION MATERIALS
NOT AVAILABLE IN SCALE

Source - UN Environment Programme 2022
Global status report for buildings & Construction



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Start binding CO2 into buildings – in scale

IKI Carbon materials

Multi-patented technology that enables the creation of a family of affordable carbon-negative building and construction materials. We create carbon mass and elements.

CO2 NEGATIVE:

1 kg of IKI Carbon material
traps 3 kg of CO2

LIGHTWEIGHT BUT
STURDY

LOCALLY SOURCED
RAW MATERIALS

PERMANENT:

No rot or
degradation

FIRE-
PROOF

PLASTICS &
VOC-FREE



CO2 FOOTPRINT

OF CLAY-BASED, TRADITIONAL RED BRICK

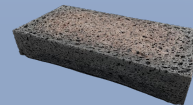


+ 31 kg/m²

in CO2 emissions*. Average price 1.36 €/brick.

CO2 FOOTPRINT

OF PLANT-BASED, THE IKI CARBON BRICK



— 93 kg/m²

in CO2 emissions**. Average estimated price 1.25 €/brick.

Up to 75% lighter than conventional facade brick.

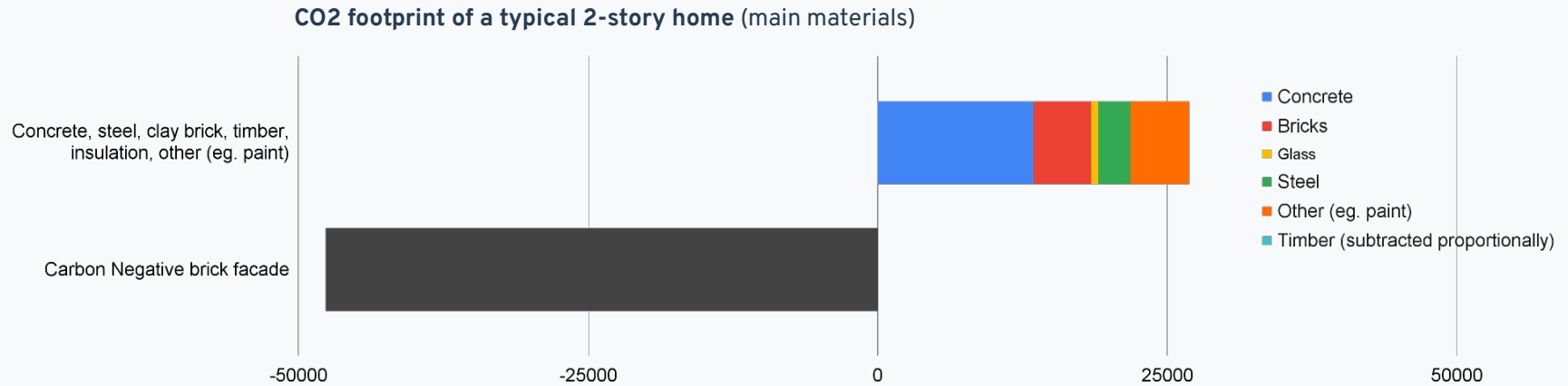
BRICKS

SECOND MOST CONSUMED CONSTRUCTION MATERIAL IN EU

(99 500 kilotons p.a.)

Our solution

Facades driving CO2 negativity



MIT Climate portal:

Embedded CO2 footprint range: **15 - 100 tonnes of CO2 per detached house**

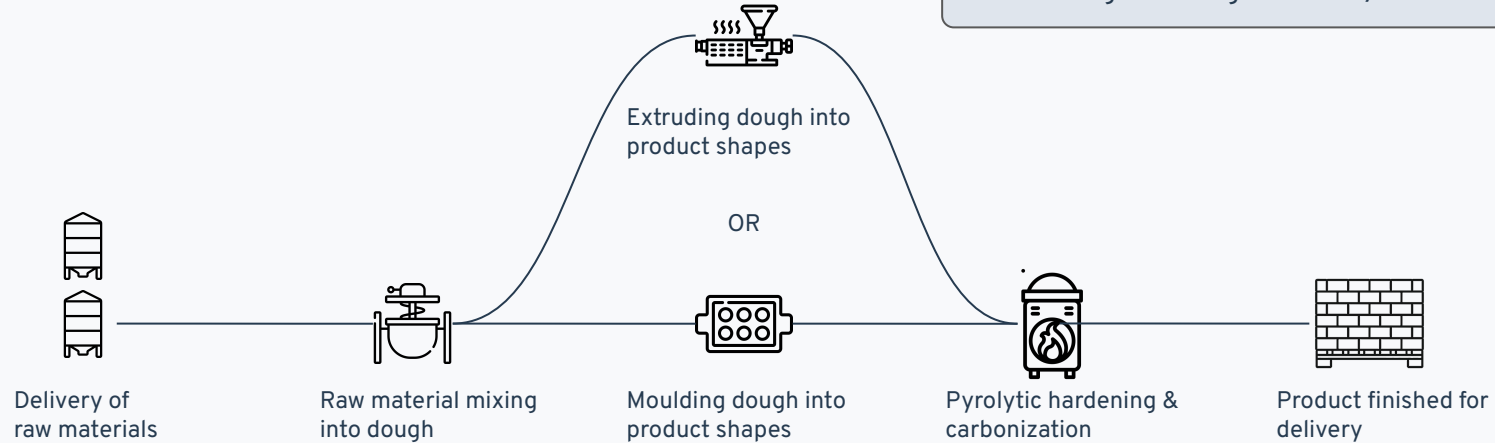
Process

Carbon Negative production follows a manufacturing process that is comparable to traditional brick and panel manufacturing methods. Most significant deviations occur in recipes and pyrolysis.

Brick pricing (retail)

IKI Carbon = 1.25€ / brick

Wienerberger average = 1.36€ / brick



Matching product roadmap with market regulation needs and time-to-market

Roadmap: Facade brick production

Exit window (2028)
List HEL:CARBN post-factory launch to finance scaling + provide exit opportunity for early-stage investors



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Experienced team with globally proven serial entrepreneurs.



Ville Hulkko
Co-founder & CEO

Deep tech commercialisation
& venture leadership

SILO_{AI}



Tomi Miikkulainen
Co-founder & Factories

Industrial scaling & process
technologies, industry tech
commercialization

Valmet



Tuomo Hilli
Co-founder & CTO

Deep tech R&D & IP, industrial
side stream optimization and
biochar innovations

Valmet



Aki Soudunsaari
Co-founder & Board chair

Venture architecture, strategy,
fundraising & marketing

NAAVA

SPRINGVEST

Interested in becoming a pioneer of carbon negative construction?

Get in touch now to get a **sample pack** and access to the next generation of sustainable, sturdy, natural building blocks of tomorrow.

Join us in rebuilding our world.

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