



ClimAccelerator  
Built Environment Circular

eit Climate-KIC  
Co-funded by the European Union



BLUE CITY  
Credit: Jacqueline Fuijkschot

Circular Economy Day Berlin  
09.Dec.2022

#2Mars4Earth  
#CTCHouses  
#Artemis010

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4OMID.com

# By 2025,

- **132** Circular Tiny House for **660** students (29.4m<sup>2</sup> per person)
- **€48K - €1k** monthly payment
- **€31.7 M & -380 tonnes Co<sub>2</sub>**

4 OMID's total impact per year

Impact per living space (29 m<sup>2</sup>)

Impact of 660 times living space (29 m<sup>2</sup>)

Carbon footprint  
CO<sub>2</sub>eq.

**-575.2 kg**

**-380t**

Equivalent to

17257 trees



47

times driving a car  
around the world



383

passengers flying  
London-New York



737

barrels of  
oil burnt

78 Average humans



160

EU households  
annual electricity



76

elephants mass  
(5t) of CO<sub>2</sub>



68

hot air balloons  
(2800 m<sup>3</sup>) of CO<sub>2</sub>

# Affordable

- €1,600 Per m<sup>2</sup>
- +14% NL
- - 33% DE

# Efficient

- 110 kg/m<sup>2</sup>
- - 37%

# Sustainable

- 47.35 kg CO<sub>2</sub>/m<sup>2</sup>
- - 39%



## Single-Family Dwelling

- €2100 Price/m<sup>2</sup>
- 500 kg/m<sup>2</sup>



# Scalable

# Simple



## Tiny House:

- €1400 Price/m<sup>2</sup> - NL
- € 2400 Price/m<sup>2</sup> - DE
- 175 kg/m<sup>2</sup>
- 77.4 kg CO<sub>2</sub>/m<sup>2</sup>

Equivalent to



130 trees



0.4



3



6



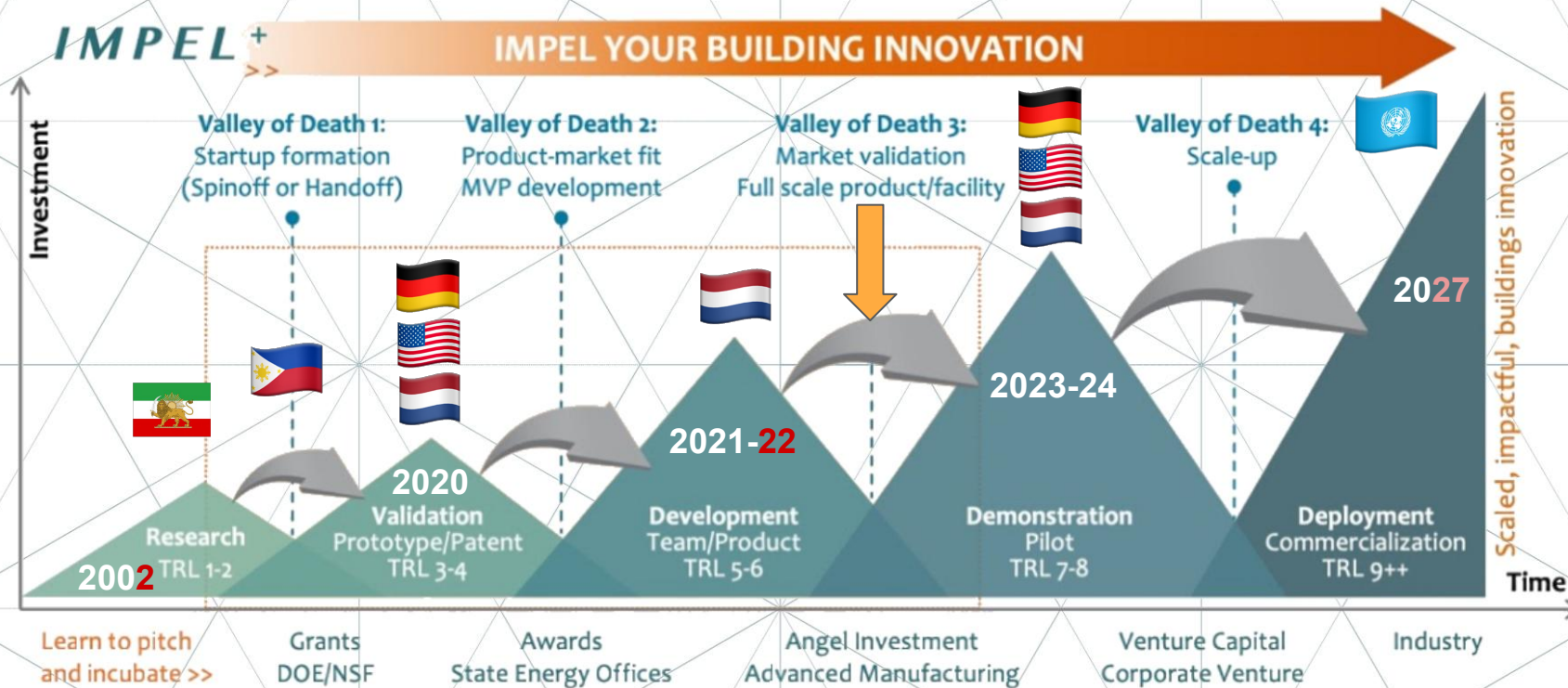
1



0.6



0.5



Adapted from Rocky Mountain Institute, 2020

**IMPEL SUPPORTS BUILDING INNOVATION-TO-MARKET**

## Bootstrapping:

- €100K till Q2 2023

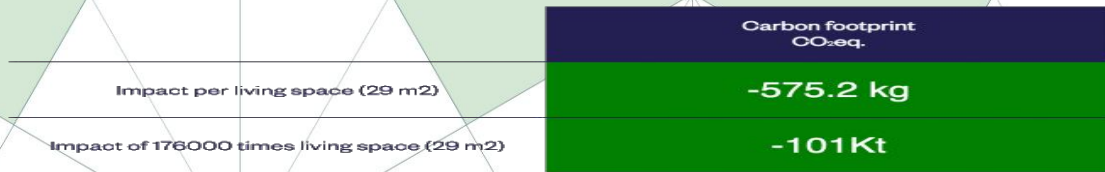
## EIT Climate-KIC Investment:

- €50K till Q2 2024

## Investment needs:

- €1 M Credit by Q3 2023
- €10 M & -101 tonnes Co2 by Q4 2024

4 OMID's total impact per year



Equivalent to



4601992 trees



12521 times driving a car around the world



102171 passengers flying London-New York



196647 barrels of oil burnt

20823 Average humans



42552 EU households annual electricity



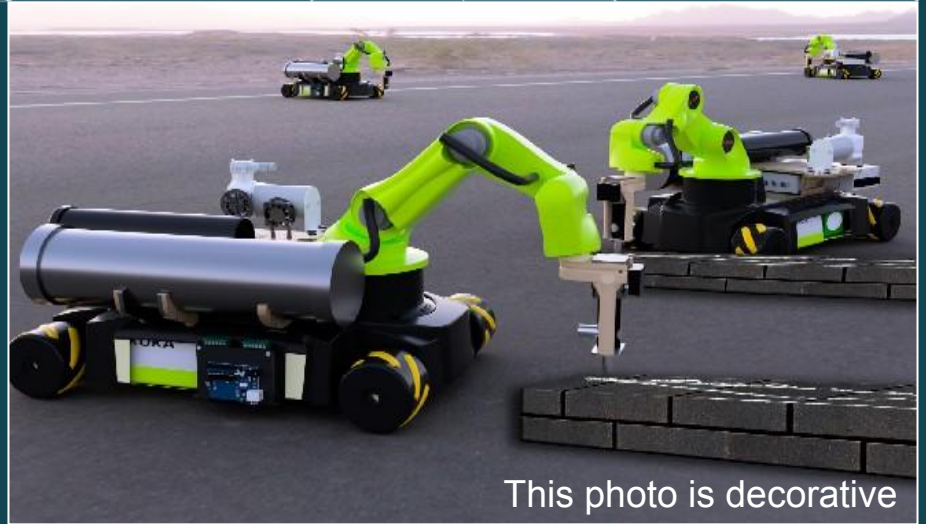
20249 elephants mass (5t) of CO<sub>2</sub>



18262 hot air balloons (2800 m<sup>3</sup>) of CO<sub>2</sub>

## By 2027,

- **1,600** Intelligent Industrial Machine
- Royalty: **€15K** per-unit-sale basis
- **€24 M** Revenue
- **-101 kt Co2**
- **176,000 houses - 3,414,400 m2**
- **TAM: 5.5 B m2 per year till 2060**





Peter Oei



Patrick  
Teuffel

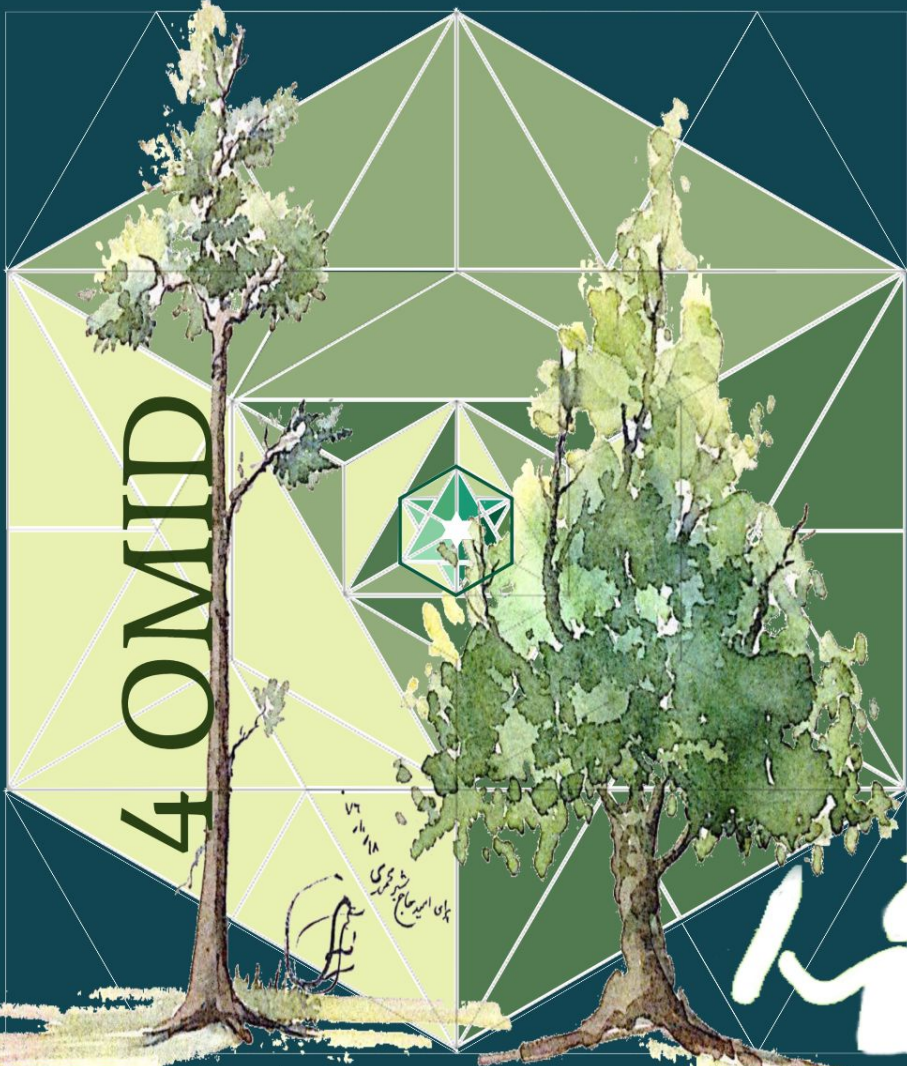


Mido  
Talhouni



BLUE  
CITY

Credit:  
Jacqueline  
Fuijkschot



ClimAccelerator  
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Geometry vs. Climate Crisis