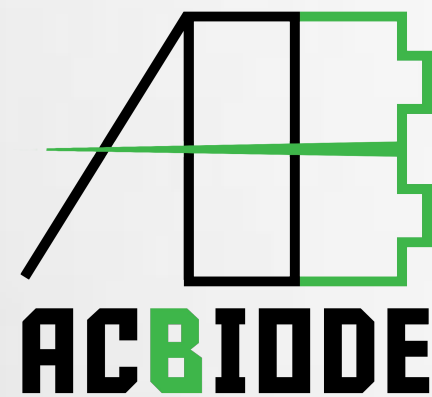


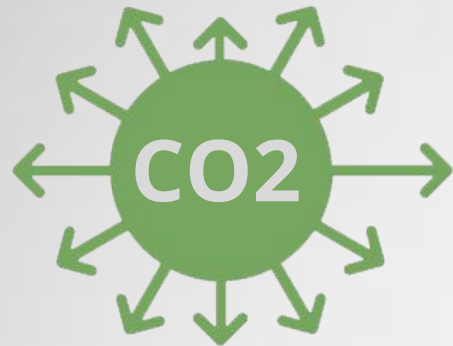


Capture CO<sub>2</sub> with  
Air Filters and turn them  
into Glass



**AIRTECH**

# CO2 Capture Problem



**Trust in Carbon Offset**



**Capture is usually energy intensive**



**Storage after capture**

# Reco Glass Carbon Capture + Air Purifier



**Ambient air purification & carbon capture**



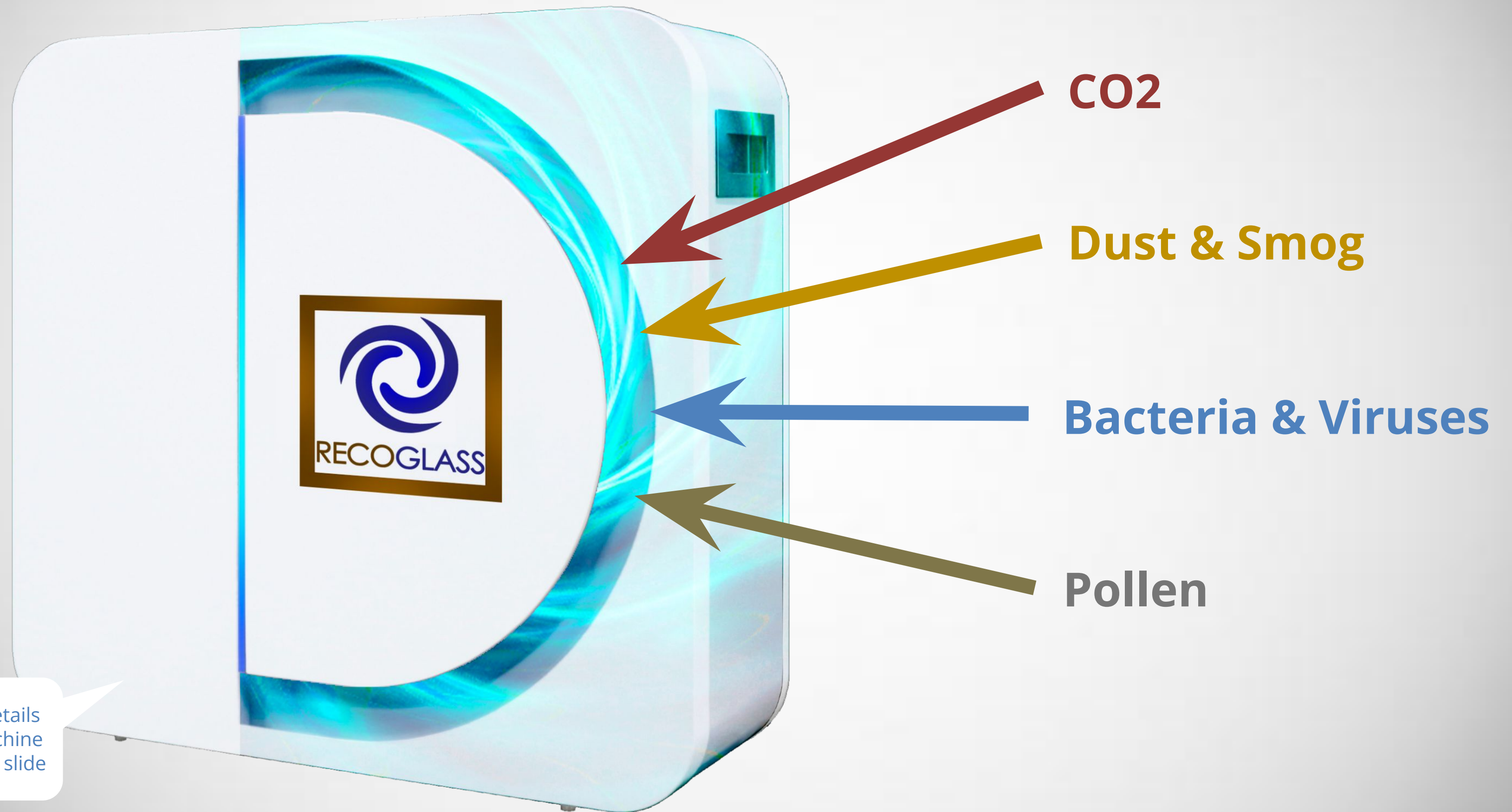
**Ultra-low energy consumption**



**No Storage required**



# Hybrid Air Purification



See full details  
of the machine  
on the last slide



# Track Capture with the App



# Air Filter into Glass



Decentralized  
DAC with air  
filters




CO2 Filter as  
raw material for  
glass production



Our low-carbon  
raw material is  
used to make  
glass

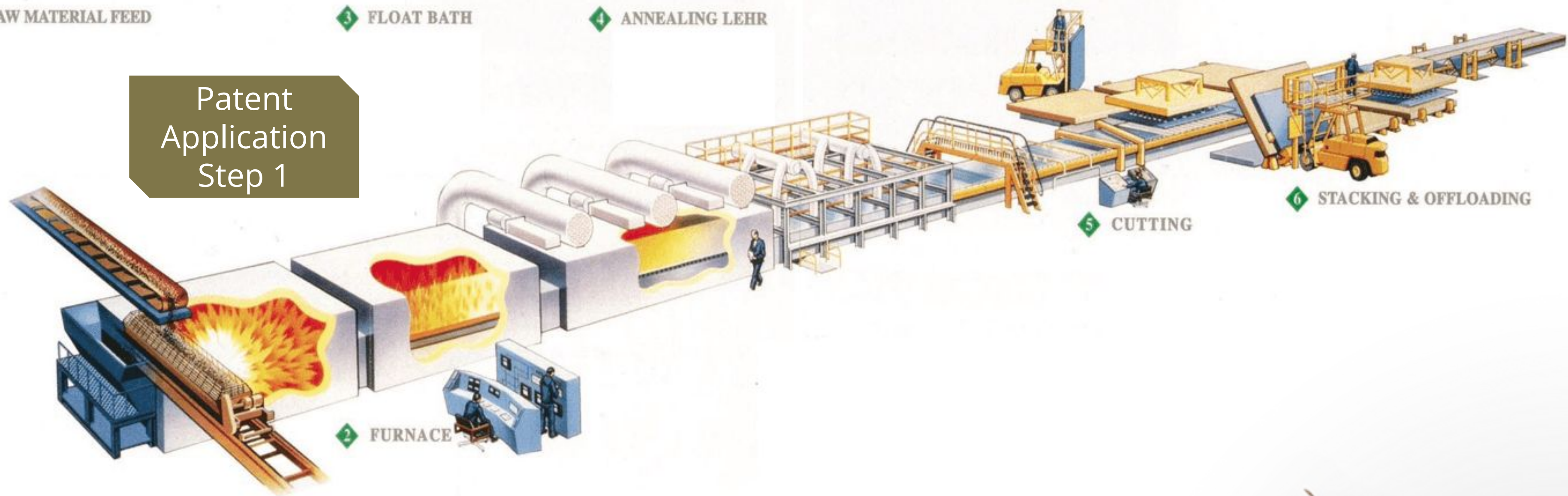


A close-up photograph of a glass bottle being formed in a hot mold. The mold is a dark, industrial-looking structure with two vertical channels. Inside these channels, there are two bright, glowing orange-yellow flames or molten glass. The glass bottle is being shaped by these flames. The bottle is a deep orange-red color, indicating it is very hot. The background is dark and industrial, with various metal parts and structures visible.

Compared to normal glass RECO will have the  
= The same process & quality  
→ Ultra Low Emissions from Chemical Reactions



# Glass Manufacturing Process





Competition

CO2 Reduction



Low Cost

# World-Class Team



**CEO**

Tadashi Kubo  
MBA



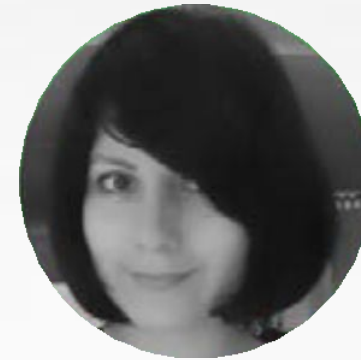
**CTO**

Atsushi Mizusawa  
Ph.D. Material  
Structure Science



**CSO**

Hassan Imran  
Ph.D. Sensor  
Technology



**Marketing**

Farazane Taraie  
MSE Engineering



**COO**

Robert Kunzmann  
MPhil, MSc  
Engineering



**Senior Chemist**  
Join our R&D now!

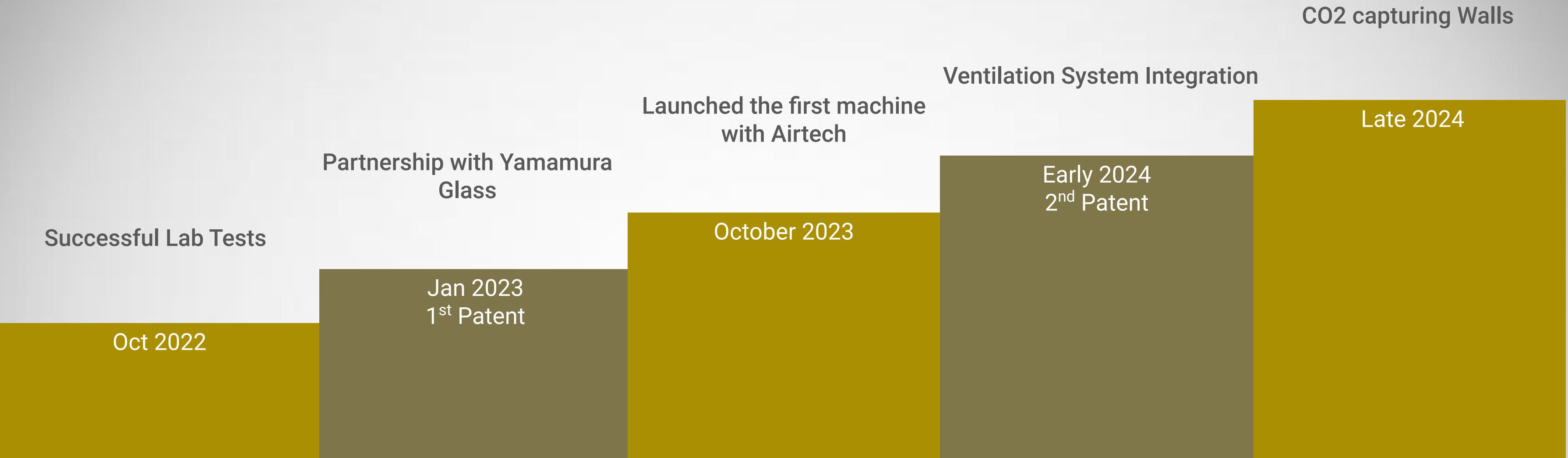


# Vision:

## Carbon Capture Accessible to Small Businesses!



# Reco Glass Development



## Benefits for Building Operators

**Improved Air Quality**

**Lower CO2 levels increase ability to focus**

**Carbon Footprint**

**Capture unavoidable emissions towards Net Zero**

**Scalable**

**Technology is readily available for scaling**

**Low Investment**

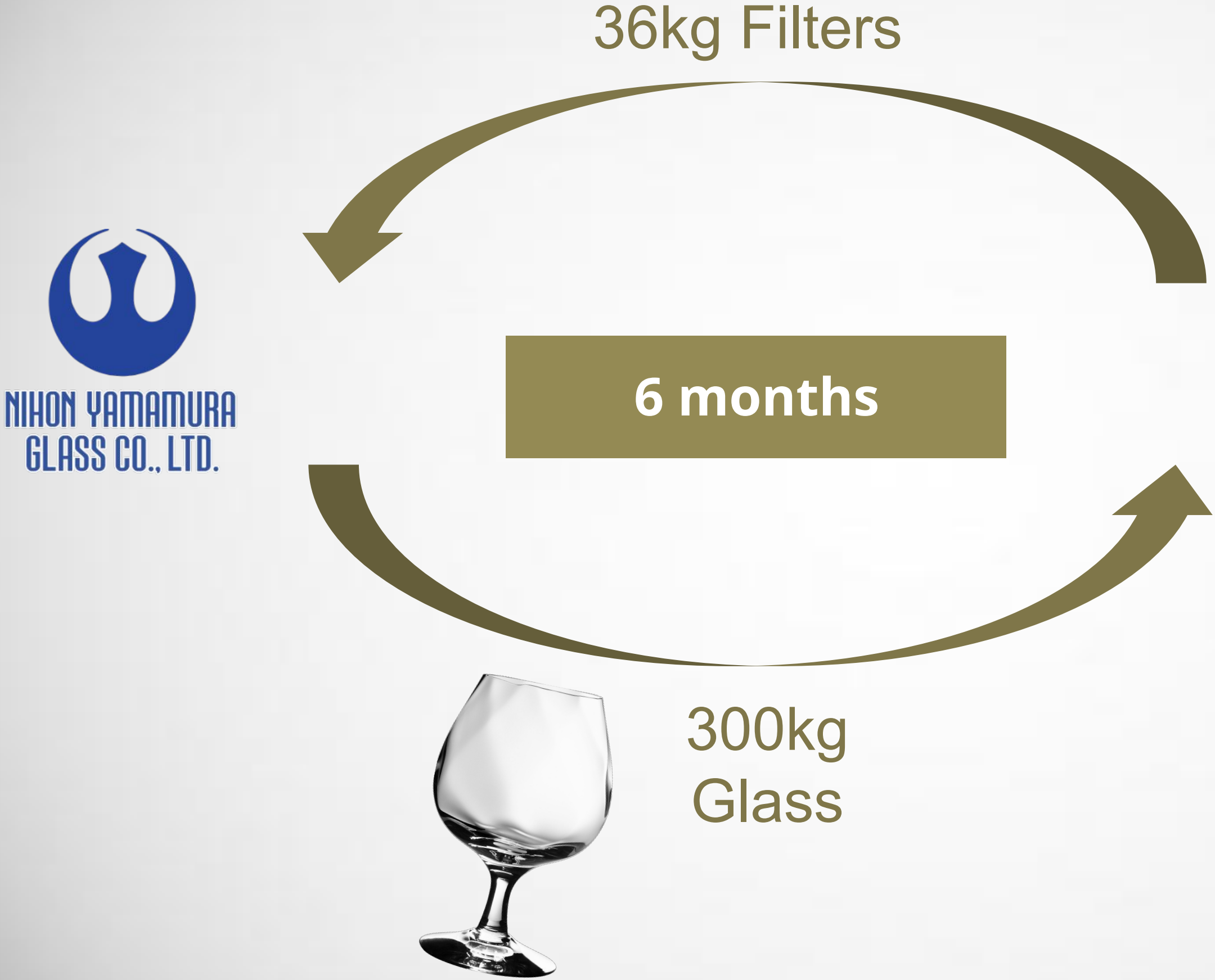
**Simply add filters to existing machines**



# Business Model



# Pilots with Japanese Construction Companies



0 extra electricity  
14.4kg CO<sub>2</sub> captured  
Per 6 months, per Device





# Market Size

**TAM**

Global

2022  
\$6.2B\*

**SAM**

Asia Pacific

\$1.3B

**SOM**

\$0.2B

+21.5%  
CAGR

2032  
\$5.4B

\*From Global Market Insights, Jan 2023 (Report ID: GMI2033)

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Work with us towards multiple Sustainable Development Goals!



# Interested in a Proof of Concept?

Get in touch now!



COO

Robert Kunzmann

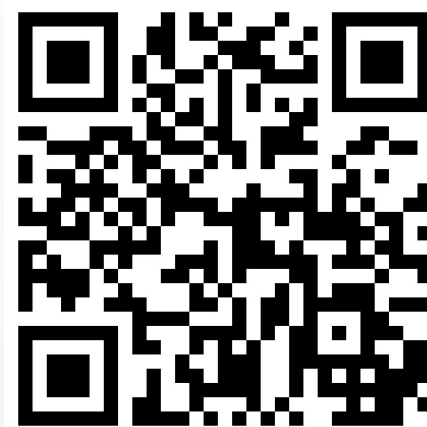
[robert.kunzmann@acbiode.com](mailto:robert.kunzmann@acbiode.com)



CEO

Tadashi Kubo

[tadashi.kubo@acbiode.com](mailto:tadashi.kubo@acbiode.com)



# Air Purifier Details

Dust Collecting Efficiency: 99.99%> by 0.3 $\mu$ m

Dimension in mm: W500 x H552 X D260

Air flow: adjustable in 5 levels

Air flow range: up to 3.0m<sup>3</sup> /min

Power: AC100V, 1 $\phi$ , 50/60Hz

Power Consumption: approx. 50W

Weight: approx. 18kg

