



# Metamorphic

The bioactive air rejuvenator.

# Context

What is climate change?

## Need of CO<sub>2</sub> mitigation

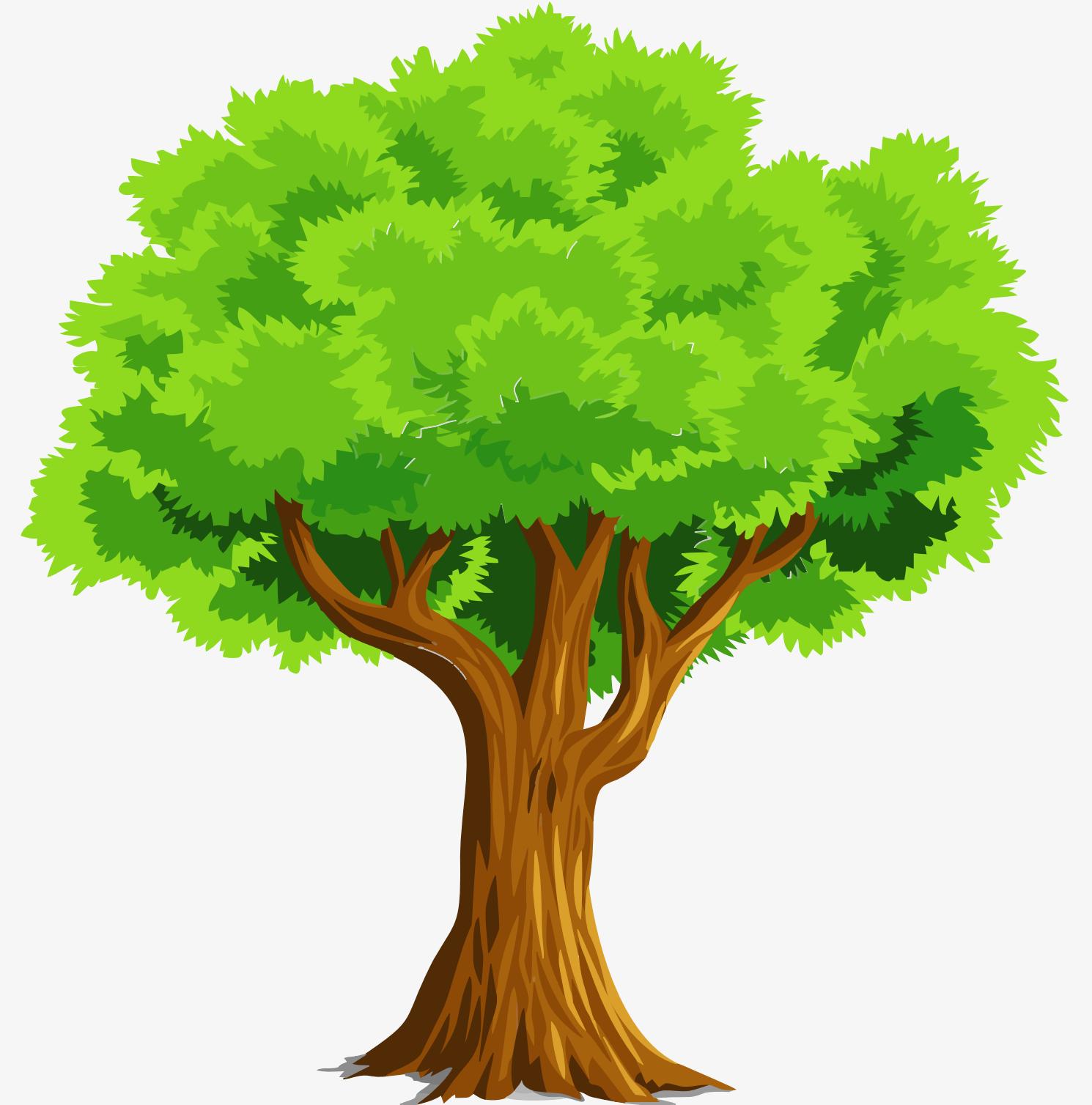
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CCS(Carbon capture and storage)  
and DAC(direct air capture)

[Ref: Carbon Engineering Ltd, Climeworks AG](#)

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Geological Vs biological methods



*Ray of hope*



Safe & biological

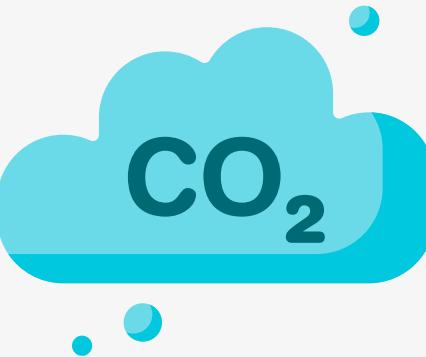


Economical



Socially acceptable

no silver  
bullet



Rate : 22kg/Year

Ref : European Environment Agency



Time : 10 year old



Space : ~150 sq. ft.



Inspired  
by  
Nature

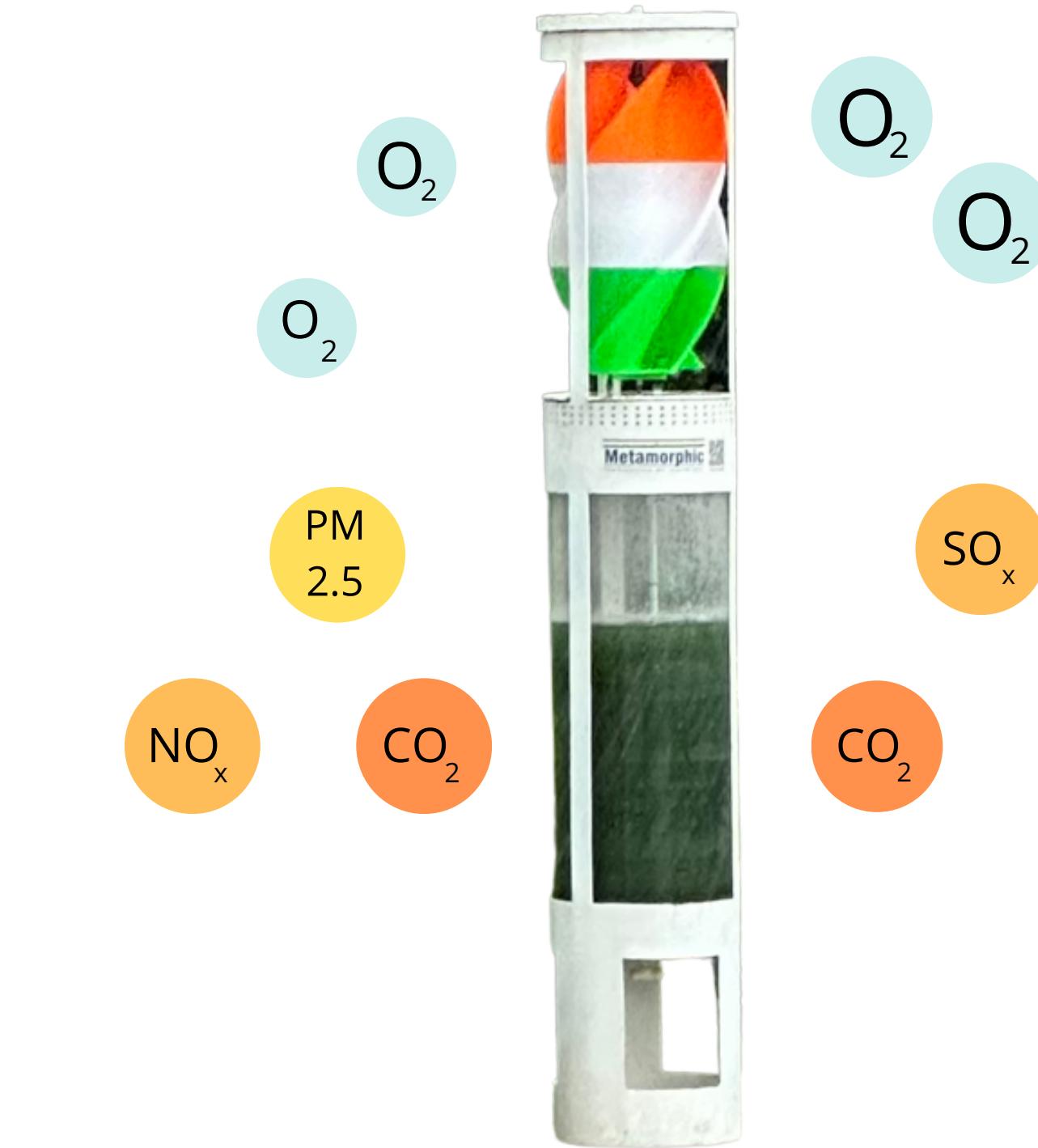
Nearly 50% of total carbon dioxide fixation is carried out by algae through photosynthesis.

Ref: The National Ocean Service

# The panacea

A microfluidic high density photobioreactor that converts CO<sub>2</sub> into Oxygen and filter VOC.

\*Patent pending : 202021051644



Artificial photosynthesis inspired by Nature.



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It produces 50kg wet biomass annually.  
Which is equivalent to ~90kg recycled carbon dioxide.

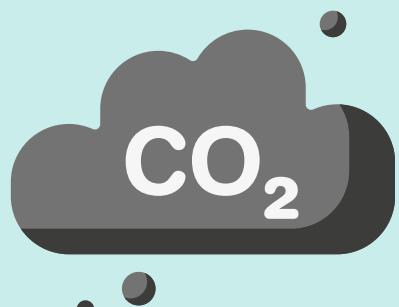
Ref: U.S. Department of Energy Office of Scientific and Technical Information



Just in time installation



98% less space than tree



Equivalent to 4 trees



Metamorphic



Direct Air Capture



Delhi Tower



NEERI WAYU



BioUrban



Liquid 3



# good & Green

- Spirulina was successfully used by NASA as a dietary supplement for astronauts on space missions.
- The United Nations World Health Organisation ( WHO) found Spirulina able to be administered to children without any risk.

## PROTEINS

35 g of meat/ 49 g of chickpea



## CALCIUM

3 glasses of milk/ 1 cabbage



ALL THE VALUE OF A SPOON  
OF FRESH SPIRULINA



## VITAMIN E

3 spoons of wheat



## IRON

300 g of spinach



## BETA-CAROTENE

18 carrots



**3**

Good health  
and Wellbeing

**11**

Sustainable cities  
and communities

**13**

Climate Action

**15**

Life on Land

The  
utopia

Comply with UN  
Sustainable  
development goals

# Metamorphic Life

Safeguarding Tomorrow

We are a organisation driven by a vision to combat air pollution and transform cities into sustainable havens.

Our work is inspired by nature, leading us to develop innovative technological solutions aimed at mitigating environmental challenges.



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