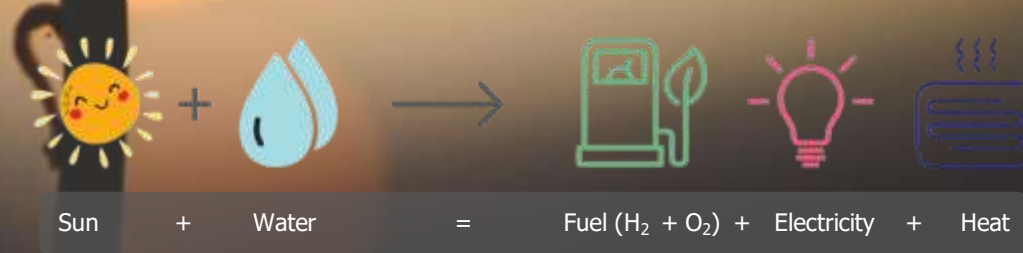




# S oH H ytec

Solar Fuel, the smarter way.

Your caterer for solar fuel and power needs.



[www.sohhytec.com](http://www.sohhytec.com)

[saurabh.tembhurne@sohhytec.com](mailto:saurabh.tembhurne@sohhytec.com)

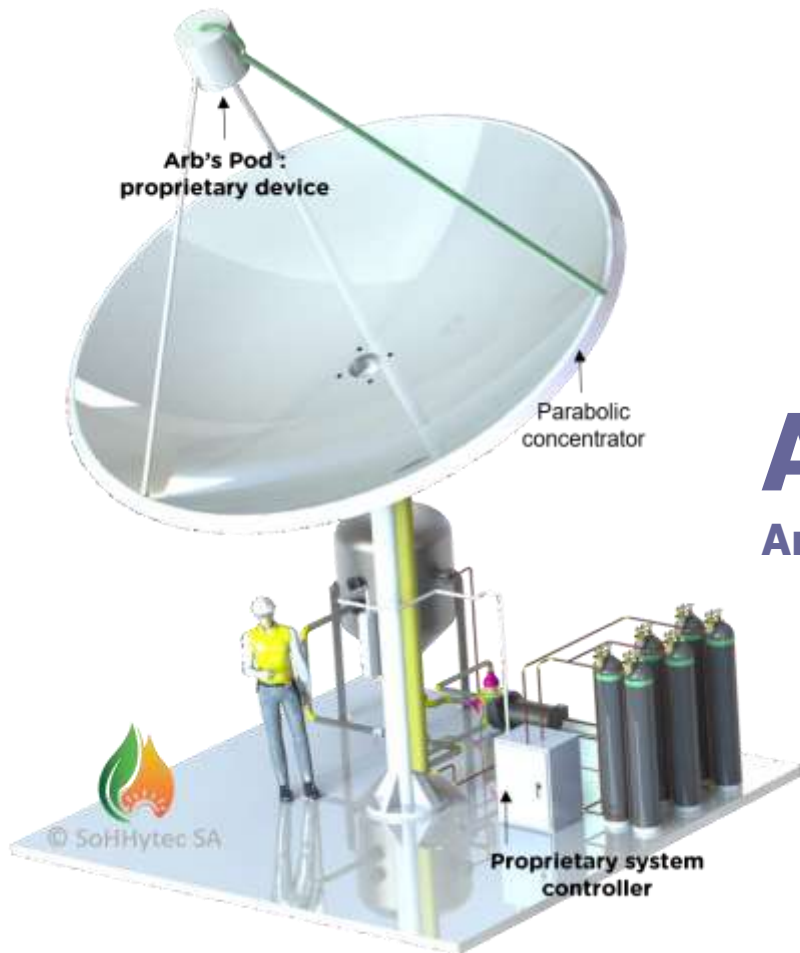
Lausanne, Switzerland

Onsite **Fuel & Power**  
Production System

*Dr. Saurabh TEMBHURNE*  
CEO and Founder

## Problem worth solving:

96% of current world H<sub>2</sub> production comes from steam reforming of **conventional fossil fuels**



## Arb Artificial Tree



- **On-site**
- **Renewable**
- **Cost effective** (LCOH < 2\$/kg H<sub>2</sub>)
  - **Cleaner**
  - **Greener**
  - **Safe**

**Fuel (H<sub>2</sub> + O<sub>2</sub>) and  
Power (Heat)**  
production system



# Our 'Arb'

## Magic Sauce :

Innovative Integrated Photo-Electrochemical device (multiple physics in one device)

Smart thermal and mass-transport management

Innovative and smart controller

## Patented

**Plug & play automated system**

**Co-generation system**

Solar-to-Elec. efficiency  $\sim 2x$  conventional

**Solar-to-H<sub>2</sub> eff.**  $\sim 2x$  conventional

System efficiency  $\sim 70\%$

**High power density**

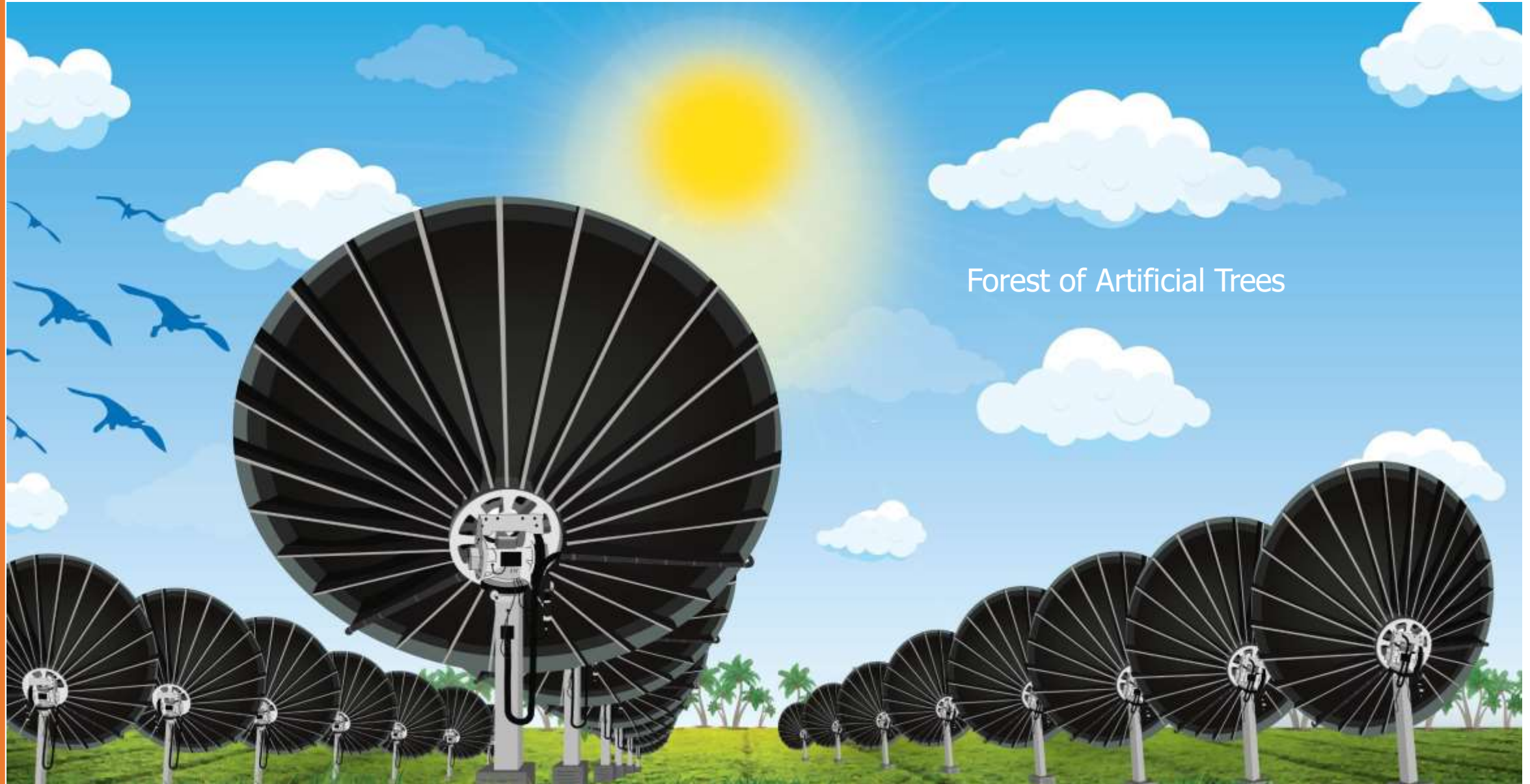
Stable & secure supply



Arb pilot at Lausanne,  
Switzerland  
Up and running



# Arb's Farm – The way we scale up



Forest of Artificial Trees



# Looking for



Industrial developers for PEM electrolyzers

Industrial developers for III-V solar cells

Industrial manufacturers for parabolic concentrators

Industrial implementation partners for projects realization

Customers with Industrial piloting opportunities

# Thank you