



**maygia**

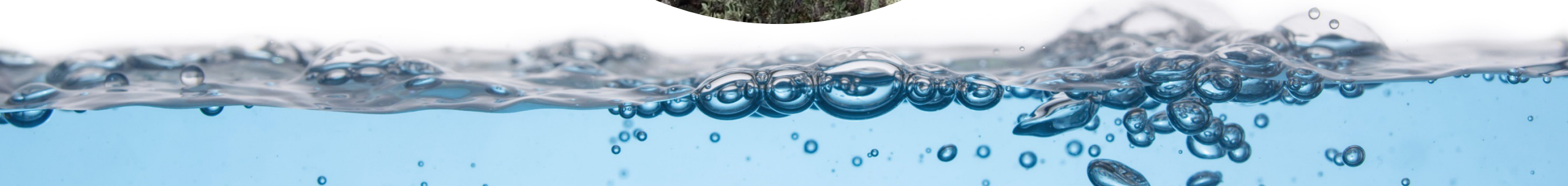


# Hydrogen Powered Water & Electricity

**Yair Korenblit, CEO | Dr. Matt Suss, CSA**

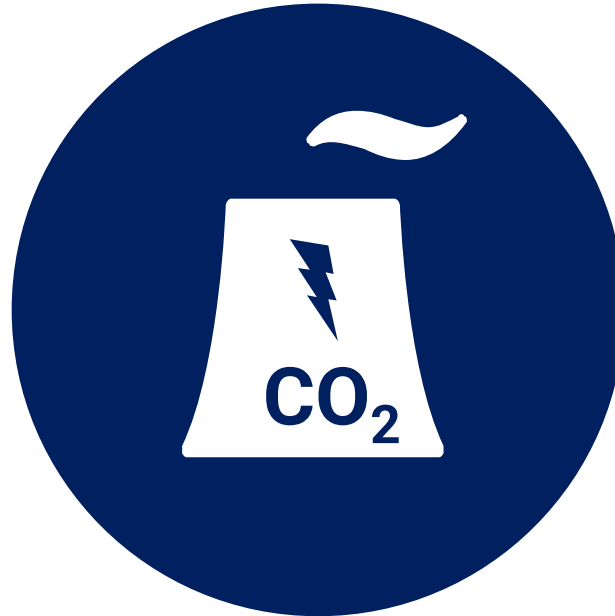


Company vision over coming decade B2B → B2G



# Problem: The cost of cleaning water

46%



**46% of the cost comes from electricity**  
**Millions of cars worth of pollution**





## Hydrogen Powered Water & Electricity

- 💧 Scalable prototype created by Matt's team
- 💧 Cleans water and creates electricity
- 💧 Reduces cost and pollution

Clean up your water *and* your bottom line™

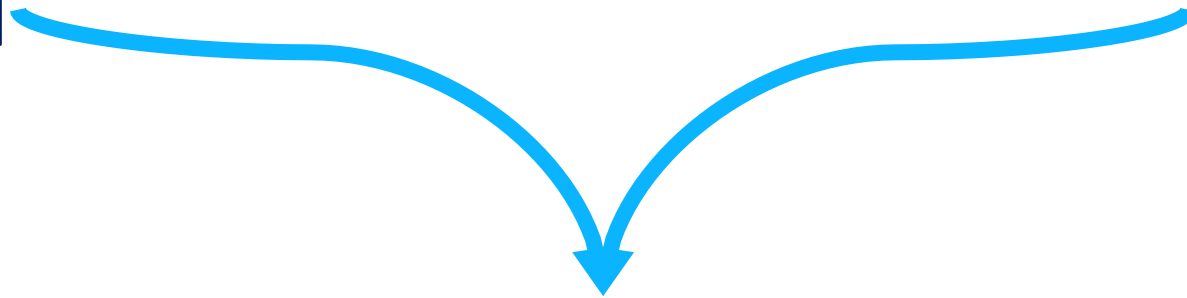




A Hybrid Technology

Fuel Cell

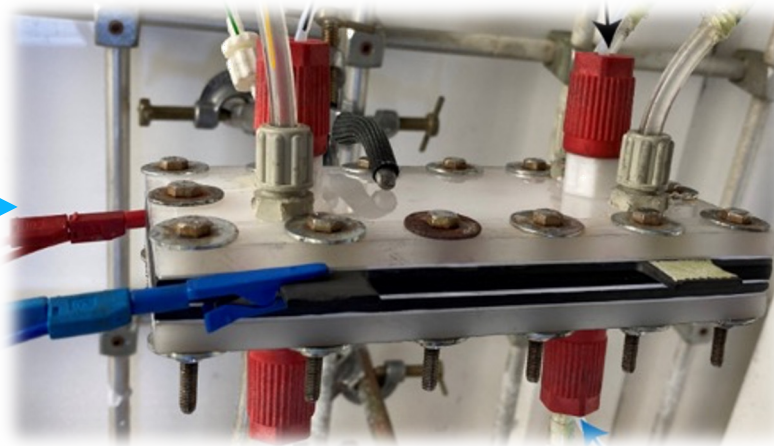
Electrodialysis



Single Device



**Dirty Water  
+  
Hydrogen**



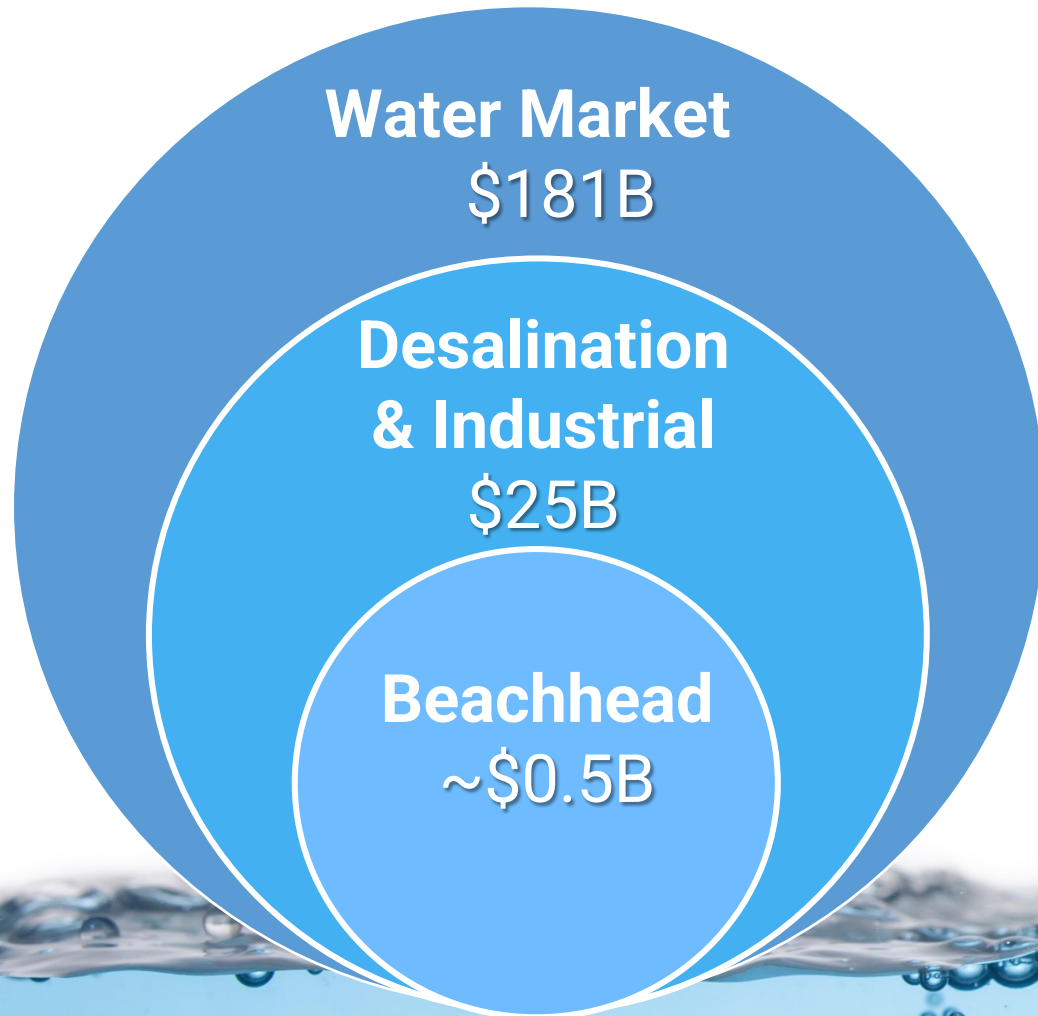
**Clean Water  
+  
Electricity**

- 💧 Scalable/stackable
- 💧 Removes any dissolved/charged pollutants
- 💧 Produces electricity
- 💧 Scientifically and investor vetted technology





# Opportunity: Desalination and Industrial Wastewater Markets



## “Beachhead” market

- 💧 Onsite hydrogen & water treatment
- 💧 Industrial: methanol, petroleum, etc.

**32B**

M<sup>3</sup> Desalinated  
Per Year





## Business Model

- 💧 B2B, hydrogen users – methanol, petroleum, ammonia, etc.
- 💧 Recurring revenue – sharing savings, maintenance, and data

### Large desalination plant example assuming hydrogen on-site

- 💧 Assumptions: switch from reverse osmosis, sell all electricity
- 💧 We reduce 100% electricity OpEx, <1.5 year breakeven point

**~\$30M annual cost savings**

**~180,000 tons/yr of CO<sub>2</sub> prevented (w/ grey hydrogen)**

**Total market - billions of USD and tens of millions of CO<sub>2</sub> tons saved**







# Maygia Beats The Competition

**ELECTRICITY COSTS**

**POLLUTION**

**SEAWATER / INDUSTRIAL WASTEWATER**

**maygia**



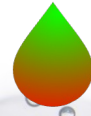
EcoloxTech



Aquatech



 Voltea





# Why Now?



# Milestones



**Support Letter Secured, Pilot Partnership Secured**

רשות החדשנות / Israel Innovation Authority

**ClimateLaunchpad WINNER**

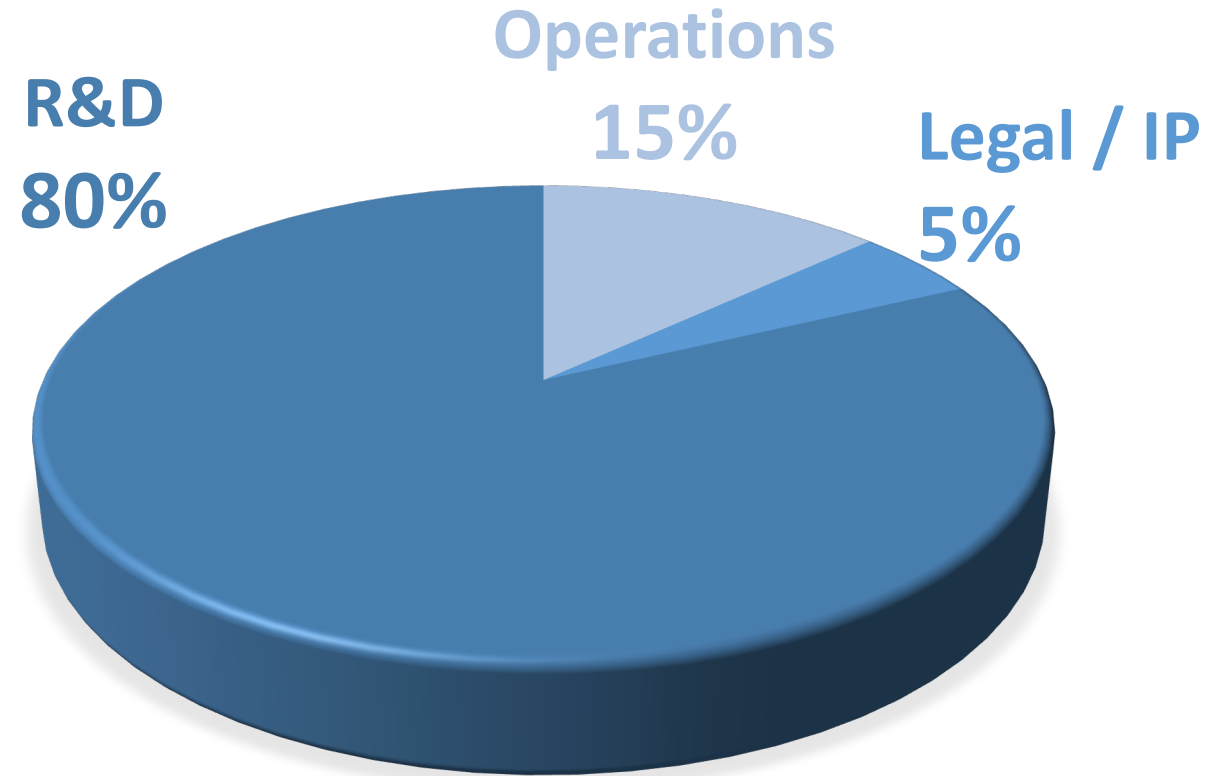
**Piloting**





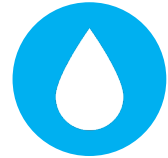
18 Month Funding Sought - \$3M

Key Milestones  
Volume Scaleup  
Pilot Device  
Partnerships



## The Maygia Dream

Use Clean Energy To Supply The World With Clean Water



**Yair Korenblit | CEO**  
Business & engineering  
experience in Europe,  
Asia, and North America



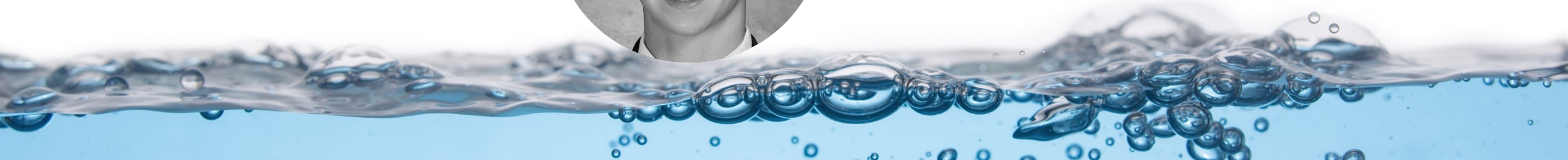
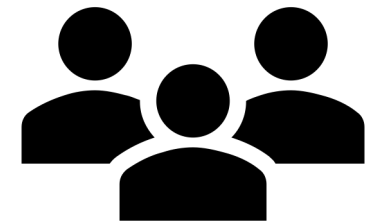
**Dr. Matthew Suss | CSA**  
World expert on energy and  
water technologies  
(Stanford, MIT, Technion)



**Jeremy Kronheimer**  
TAMID intern helping us  
develop business  
intelligence



**Suss Lab Personnel**  
Three researchers working  
to advance the technology  
on a continuous basis



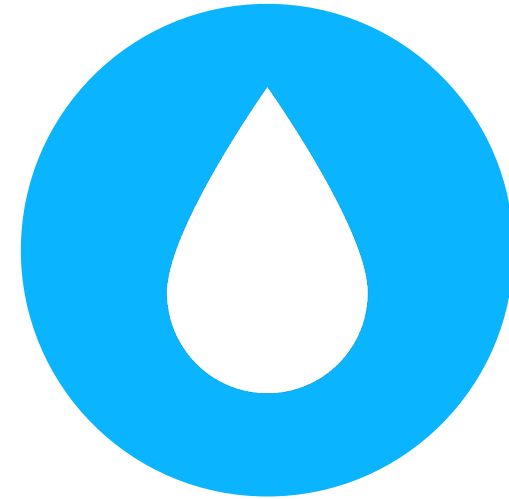
# IMPACT



**Financial**



**Environmental**



**Water Safety**





**maygia**



**Thank You!**  
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