



A Cleaner Tomorrow

# The Team



## **Co-founder**

Product Development  
Management  
Marketing

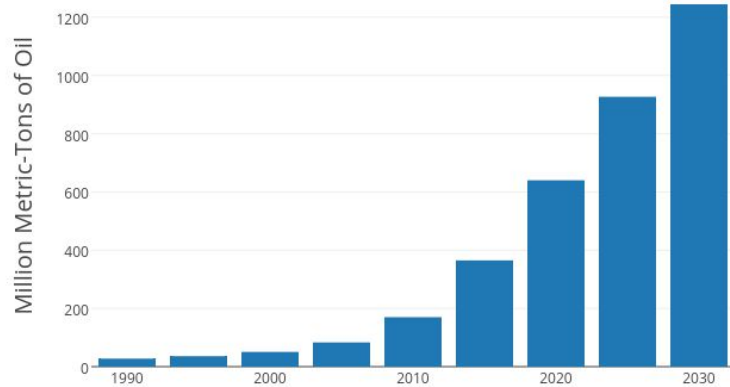


## **Co-founder**

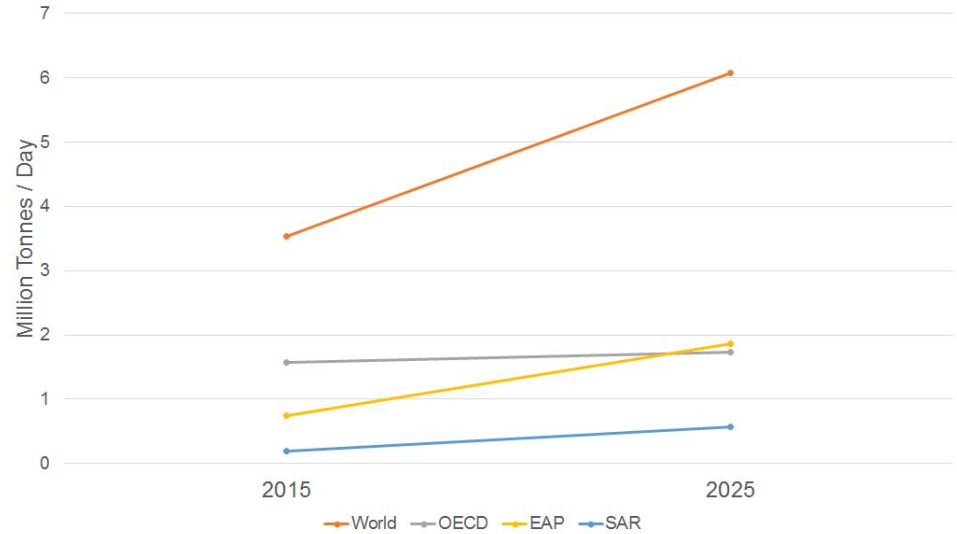
Product Development  
Finance  
Funding & Capital

# The Problem

Projected Global Energy Consumption

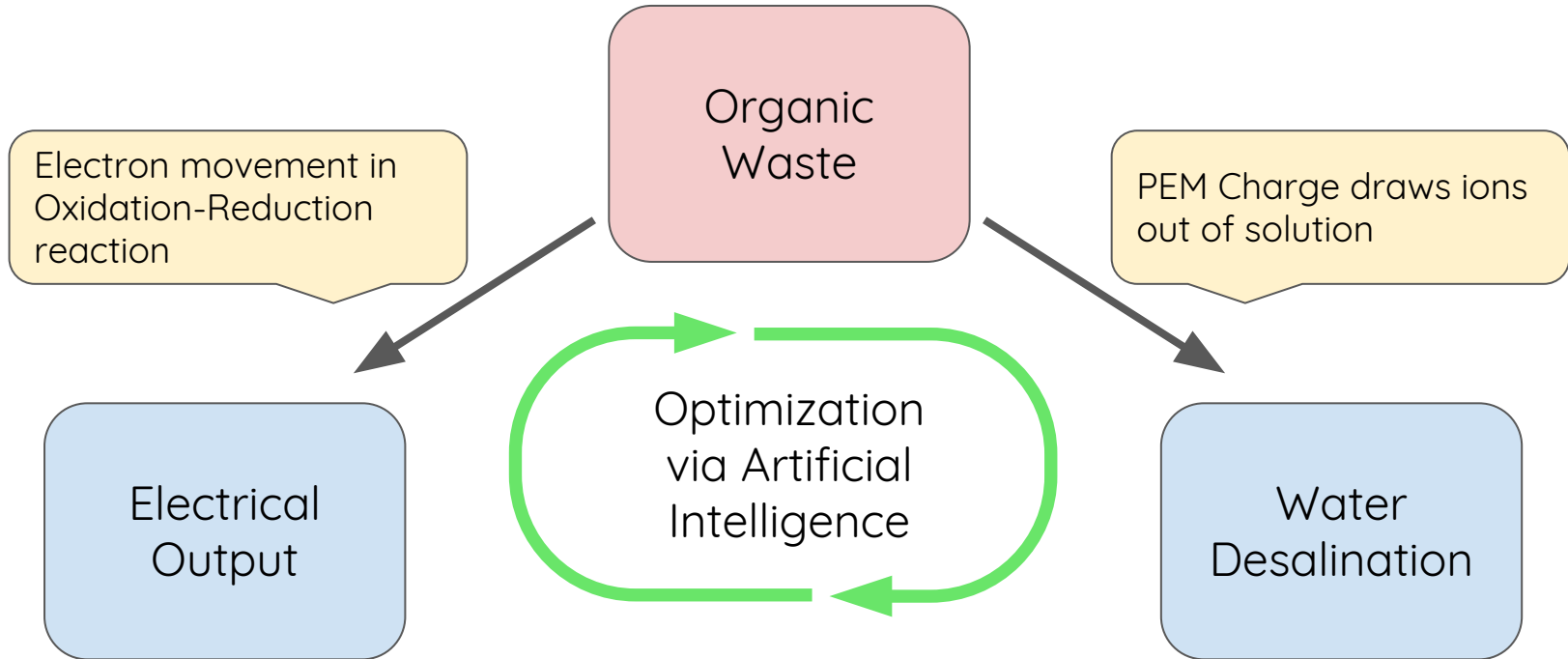


Global Projected Waste Production

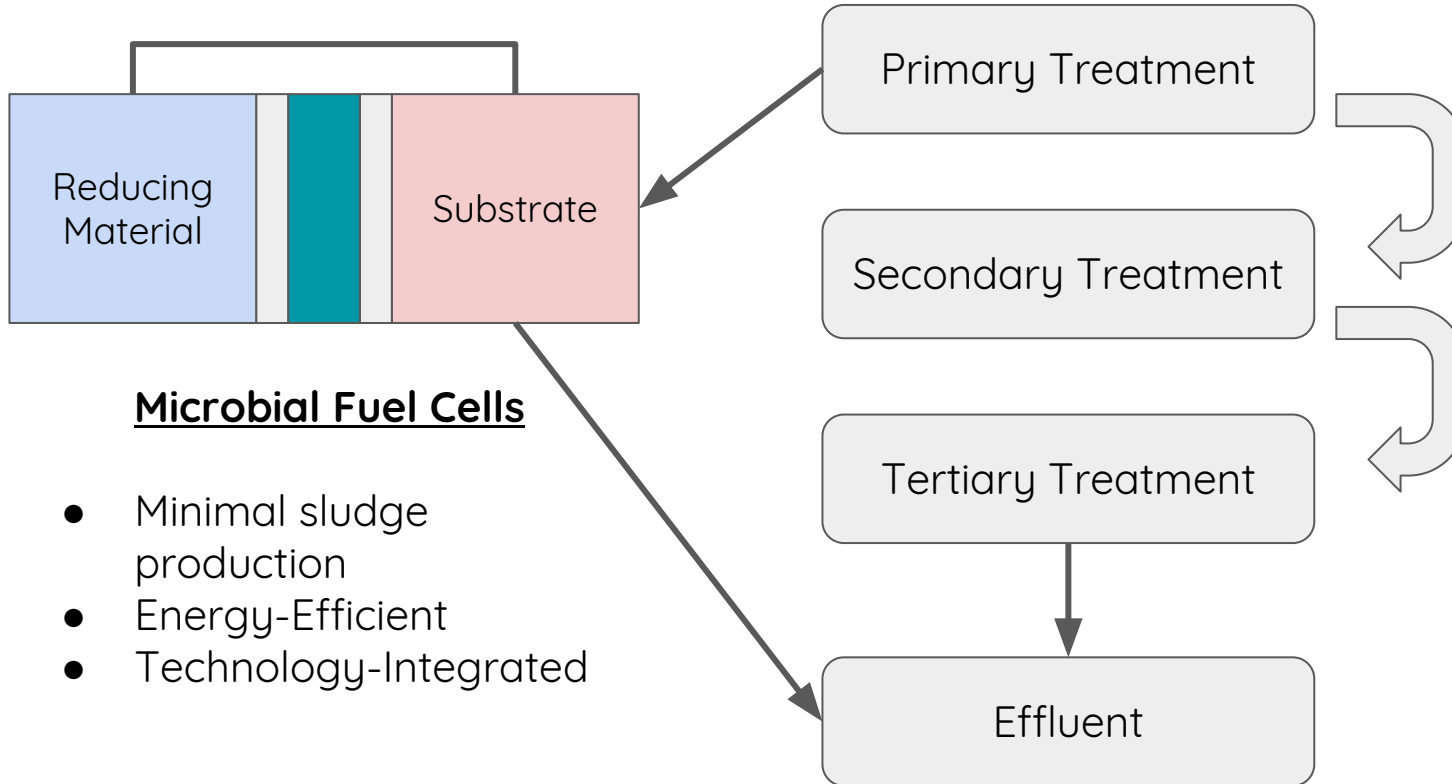


What if there was a way to meet both demands?

# The Solution



# Our Product



# Business Model

**Revenue**

**Research &  
Development**

**Private Waste Management**

**Sewage &  
Waste-Treatment  
Facilities**

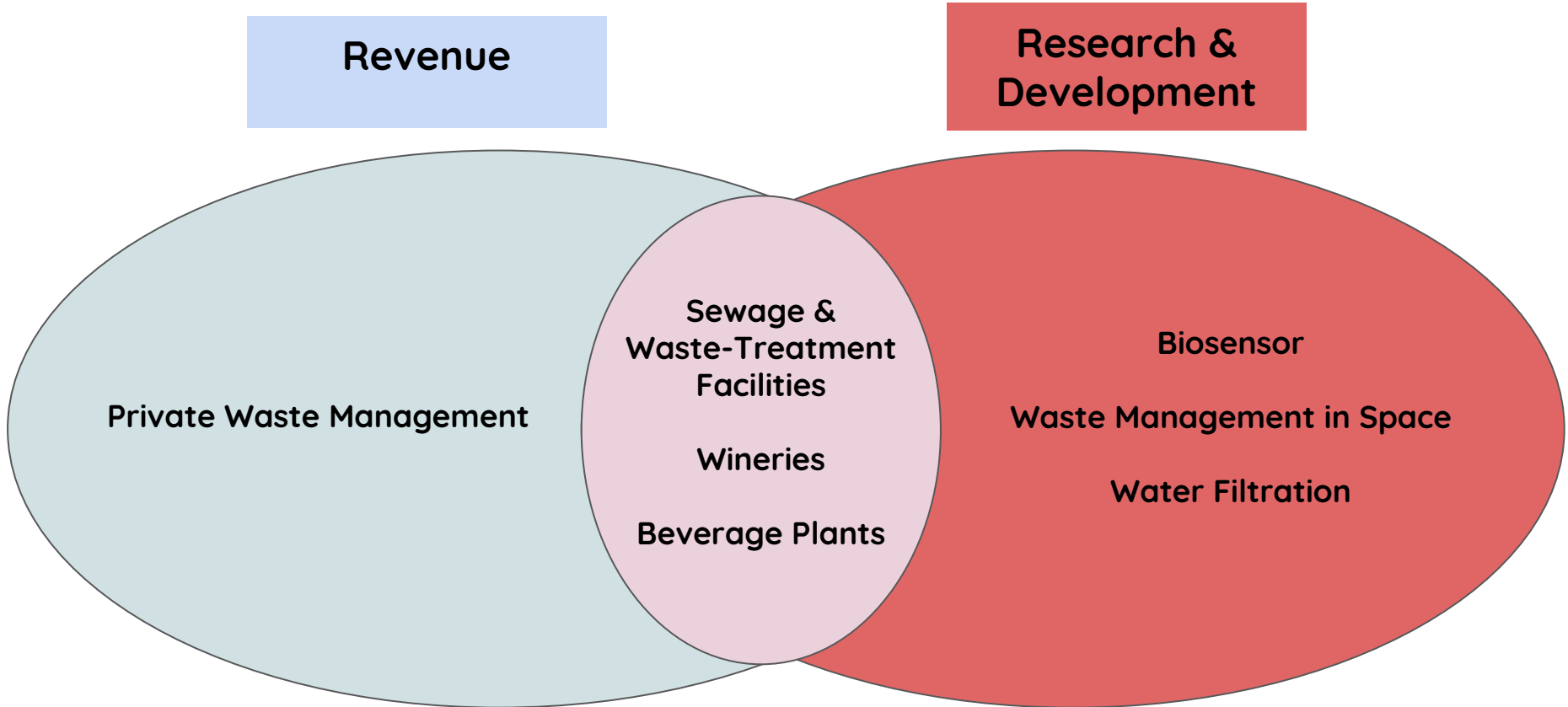
**Wineries**

**Beverage Plants**

**Biosensor**

**Waste Management in Space**

**Water Filtration**



# Market and Traction

## Wineries and Vineyards

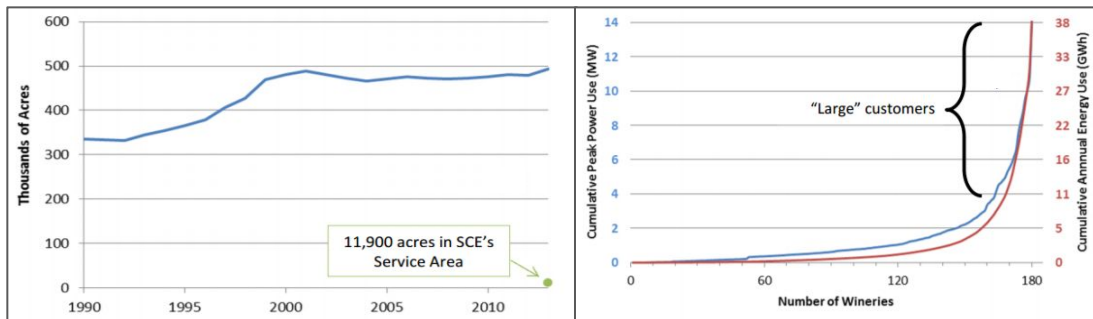
**1 gallon wine = 6 gallons of wastewater**

**In total, 1 acre of a vineyard yields at least 5760 gallons of wastewater.**

**Over 2.8 billion gallons of wastewater in California alone**

The Napa Sanitation District (NSD) has determined that there are a number of wineries or winery-related businesses within NSD's service area which may have on-site activities that are (1) not compatible with NSD's Pretreatment Program requirements, and/or (2) not within the limits of discharge placed on the property by the quantity of connection units purchased. Additionally, there are a number of wineries that have opted to haul wastes up to sixty miles to out-of-area wastewater treatment facilities.

- Napa Sanitation District



# Competition

## Energy Budget

High

Low

Treatment Efficiency

High

Activated-Sludge Treatment

Hydrocyclone Separators

API Separators

VoltWorks' 'Smart Microbial  
Fuel Cell'

Low

Brine Treatment

Surface-Aerated Lagoons  
and Ponds

Conventional MFC's

Trickling Filter



# Competitive Comparison



## Advantages:

1<sup>st</sup> to Market

Multimodal Applications

Ease of Integration



Four black right-angled triangles are positioned at the corners of the image, pointing towards the center.

THANKS!