

THE ELUCIDATE PROJECT

Chief Executive Officer: Moises Gonzalez

Chief Marketing Officer: Robert Torres-Mora

Chief Information Officer: Urias Escudero

Chief Data Officer: Tuari Vo





INTRODUCTION

Societal Issue

Objective

Product

01

HYPOTHESIS

02

ANALYSIS

Visualization Reports

03

CONCLUSION

Pitch

Action Plan

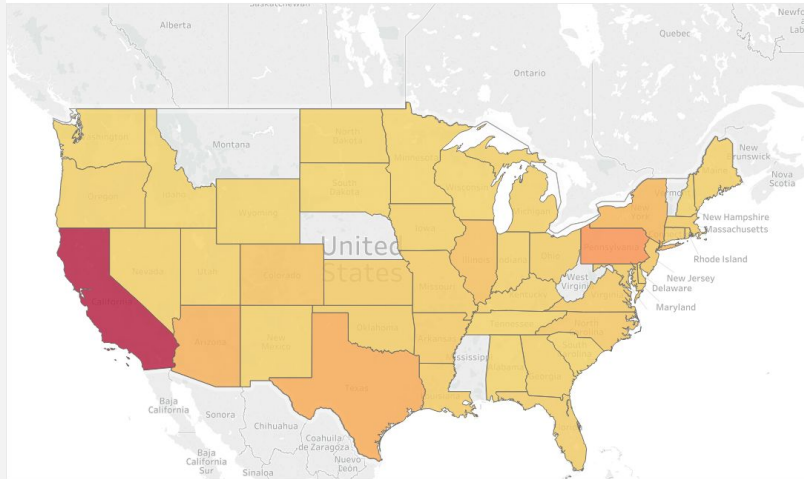
04

INTRODUCTION



Societal Issue:

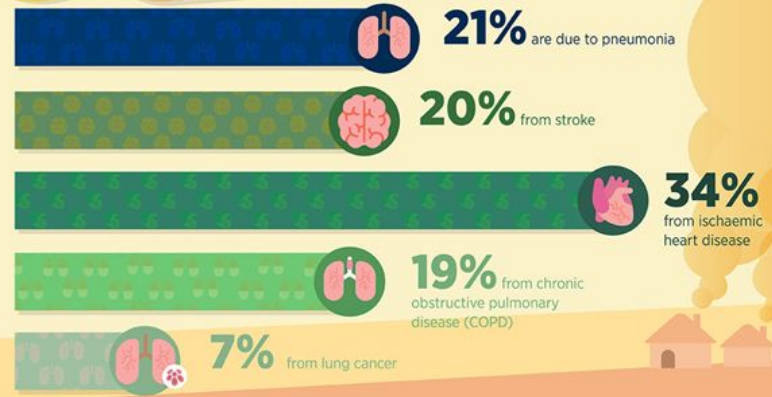
Nationwide Pollutants

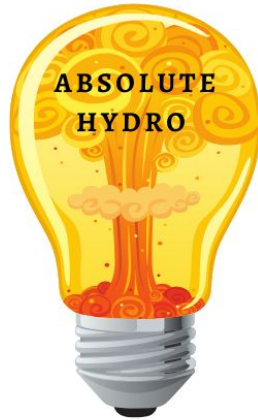


DEATHS LINKED TO OUTDOOR AND HOUSEHOLD AIR POLLUTION



7 million people die prematurely every year from air pollution – both household and outdoor. Among these deaths:





Mission Statement:

Even though we have seen tangible success, there are still people dying and a public health challenge. Our mission is to accelerate this trend in order to save our future generations with innovative technology.

Objective:

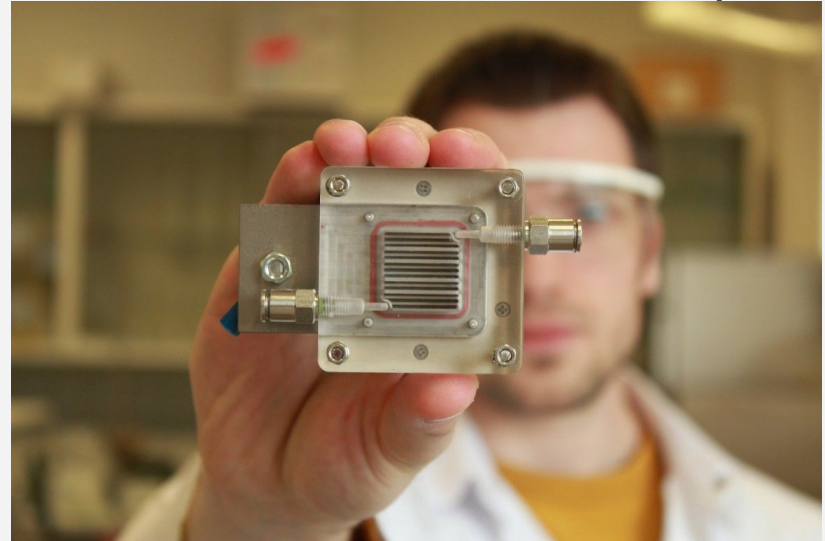
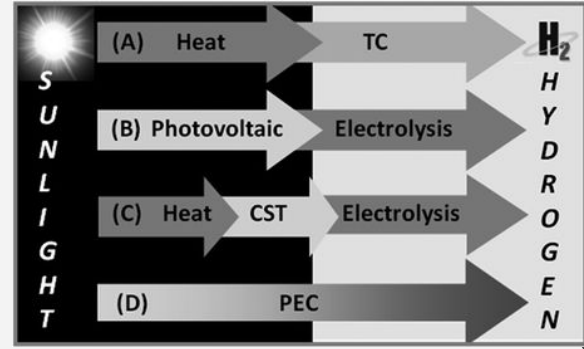
Our purpose is to convert something harmful into something beneficial to society. The objective is to create fuel through Photo Electric Cells.



Product: Photoelectric Cells

Electrolysis: The act of splitting hydrogen and oxygen from water via electrical currents, production of Hydrogen Gas.

Device: Photocatalyst pushes broken molecules through chemical-reacting catalyst, storing it as hydrogen fuel.



HYPOTHESIS





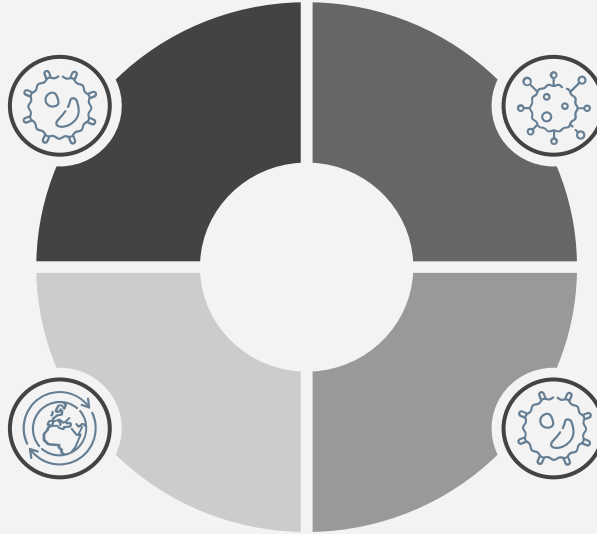
LEGEND

Nitrogen Dioxide(NO_2)

Gaseous air pollutant composed of nitrogen and oxygen caused by burning of fuel

Ozone(O_3)

A potent lung irritant and exposure to elevated levels is a contributor to the exacerbation of lung disease



Sulfur Dioxide(SO_2)

A colorless gas or liquid with a strong, choking odor. It is produced from the burning of fossil fuels.

Carbon Monoxide(CO)

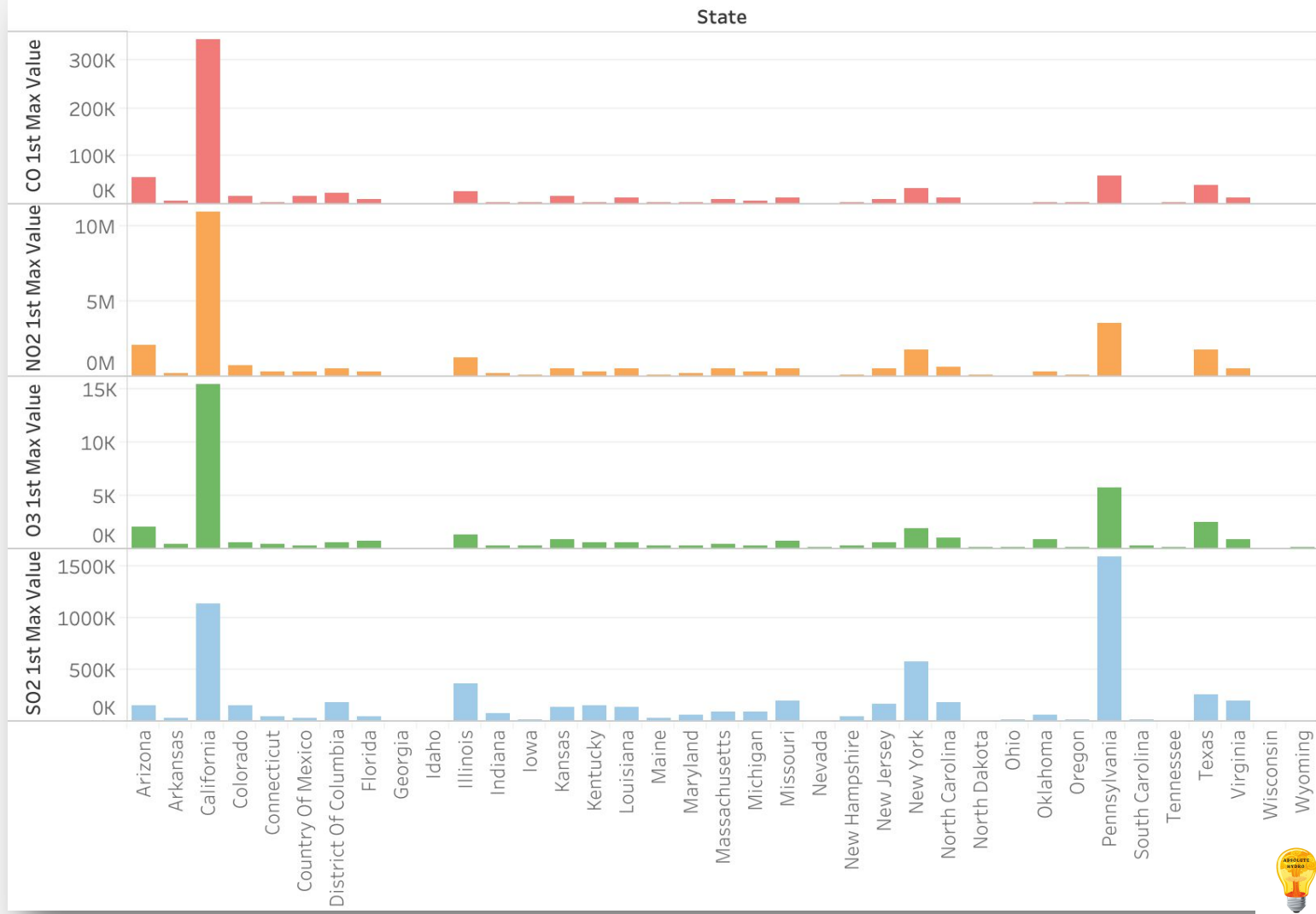
Displaces oxygen in the blood and deprives the heart, brain and other vital organs of oxygen.



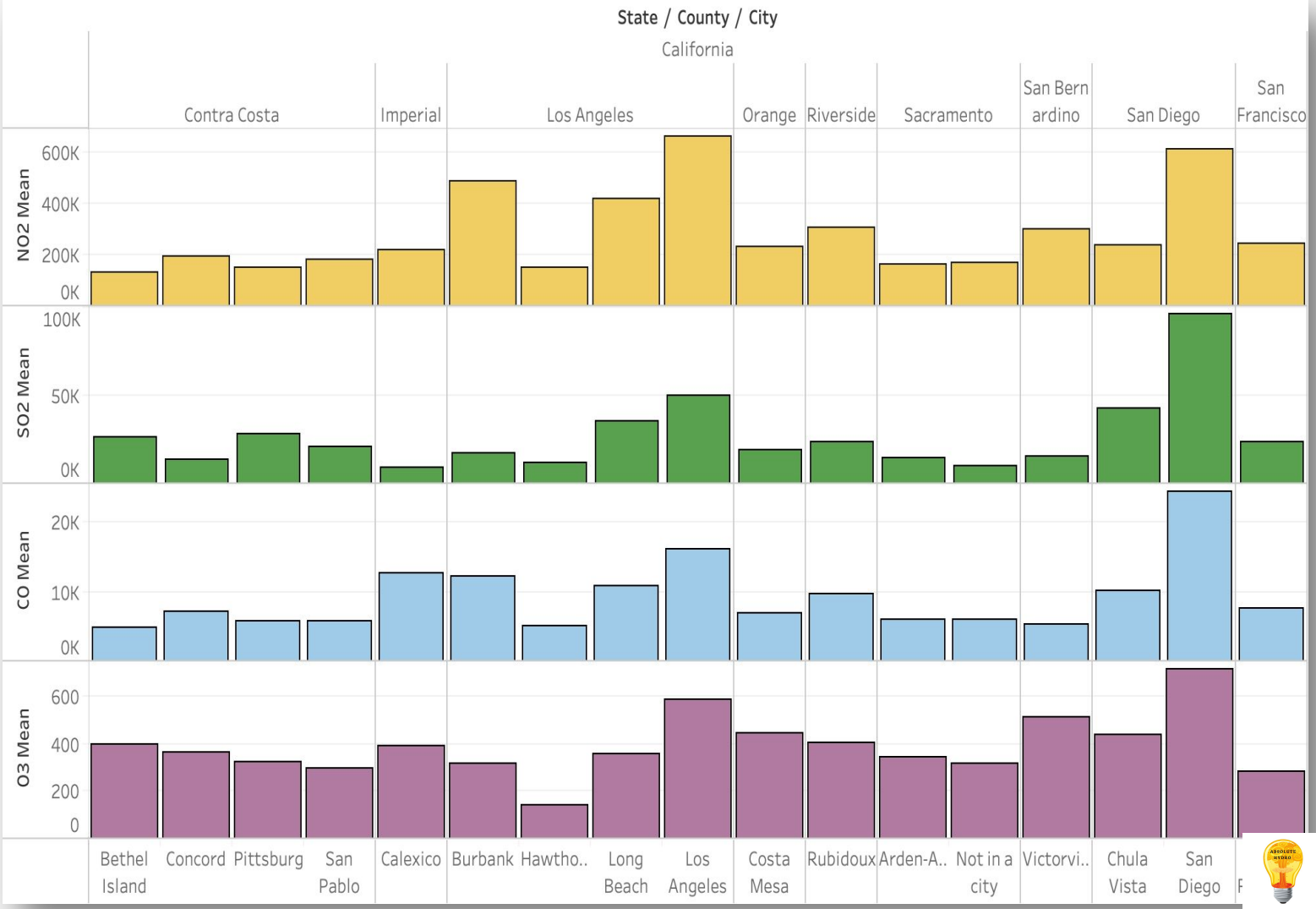
ANALYSIS



FOUR GASES BY STATE



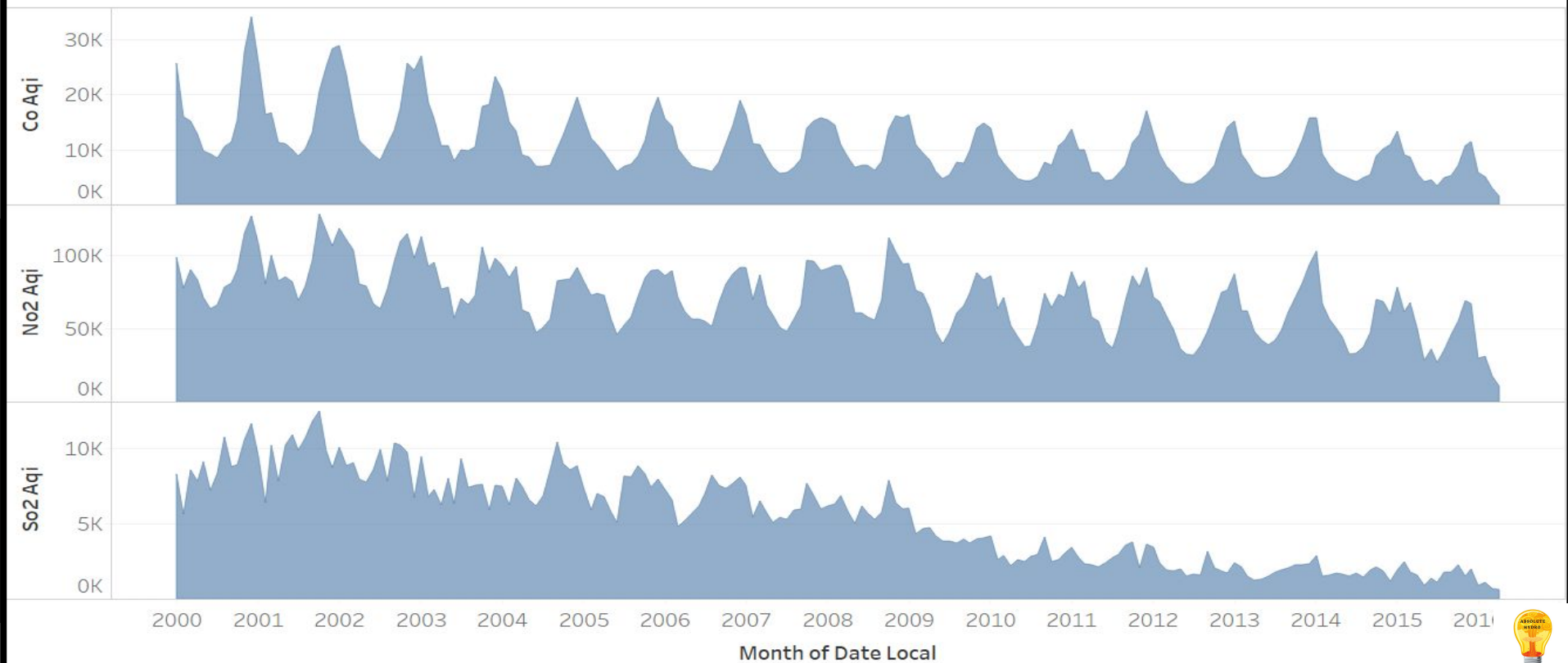
FOUR GASES
BY COUNTY
& CITY



California

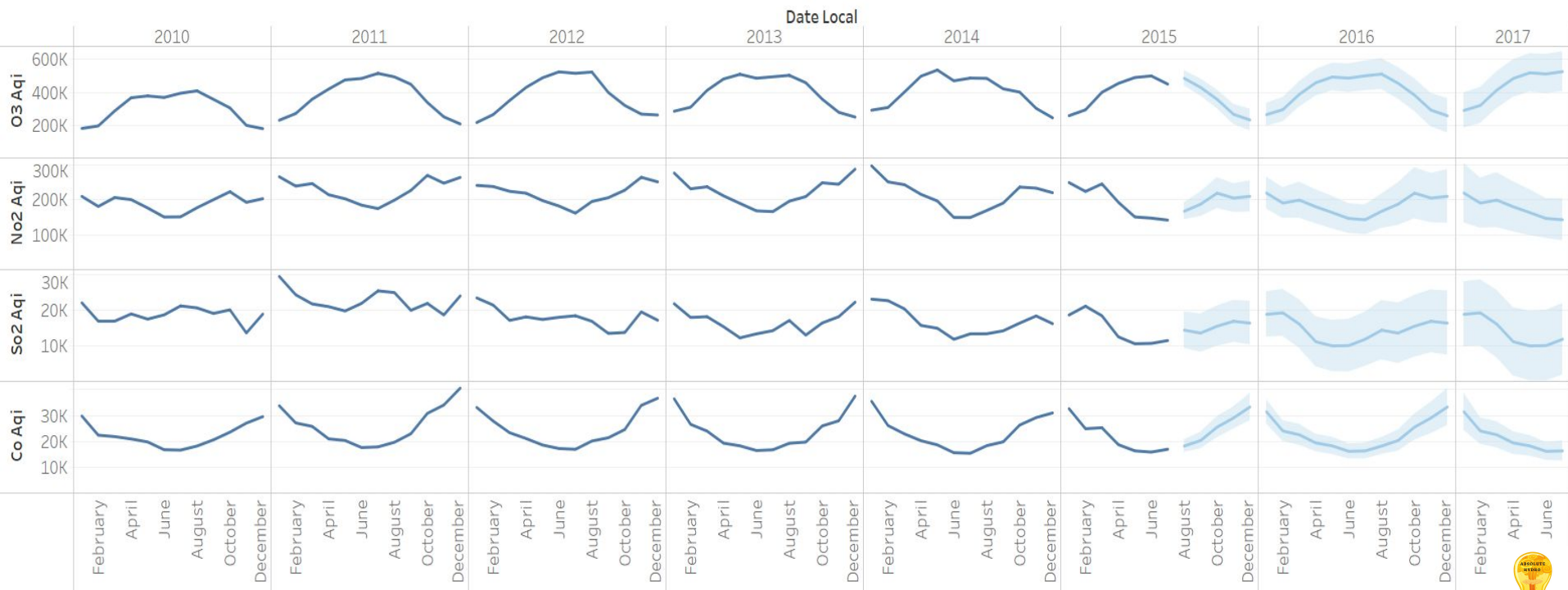


Monthly AQI in California



2 Year Projection

Pollutants forecast next 2 years



CONCLUSION



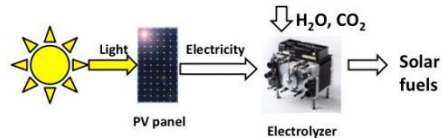
Investment Opportunity

With photoelectrochemical cells, we can use this in the areas that are most polluted, in return fueling a transition to carbon-free power.

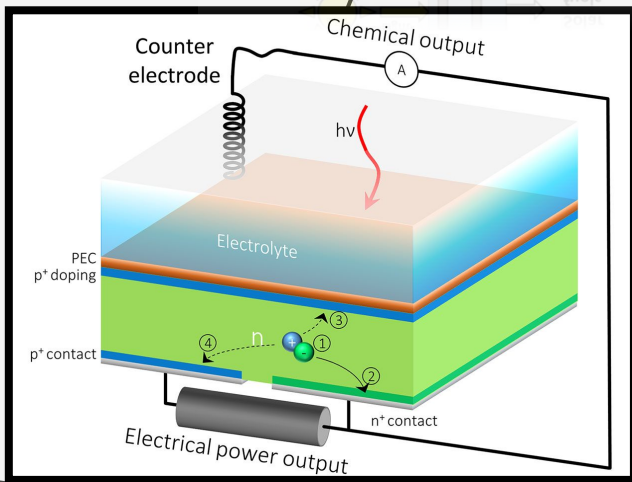
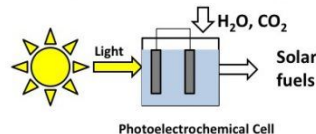
- Scale product to industrial level
- Bring awareness worldwide
- Fuel airplanes
- Car manufactures, paint industries, and pharmaceutical manufacturers
 - Reduce exposure to associates

Systems for Generating Solar Fuels

1. **Photovoltaic Electrolysis:** Indirect use of light



2. **Photoelectrolysis:** Direct conversion of light to chemicals



ACTION PLAN: TIMELINE

01

1st Step: Obtain blueprints for industrial-sized PEC's.

2nd Step: Advertise product awareness.

02



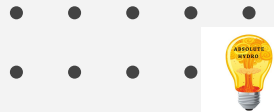
ACTION PLAN: TIMELINE

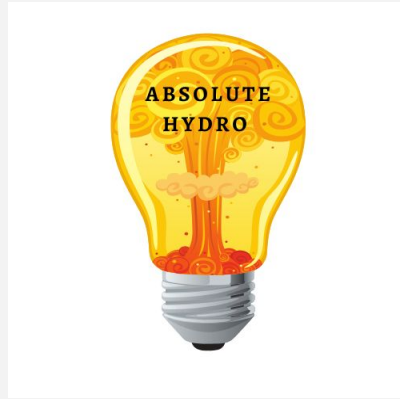
3rd Step: Commence marketing operations for contracting vendors and investors.

03

04

4th Step: Mass-produce product, roll out to vendors.





QUESTIONS ?