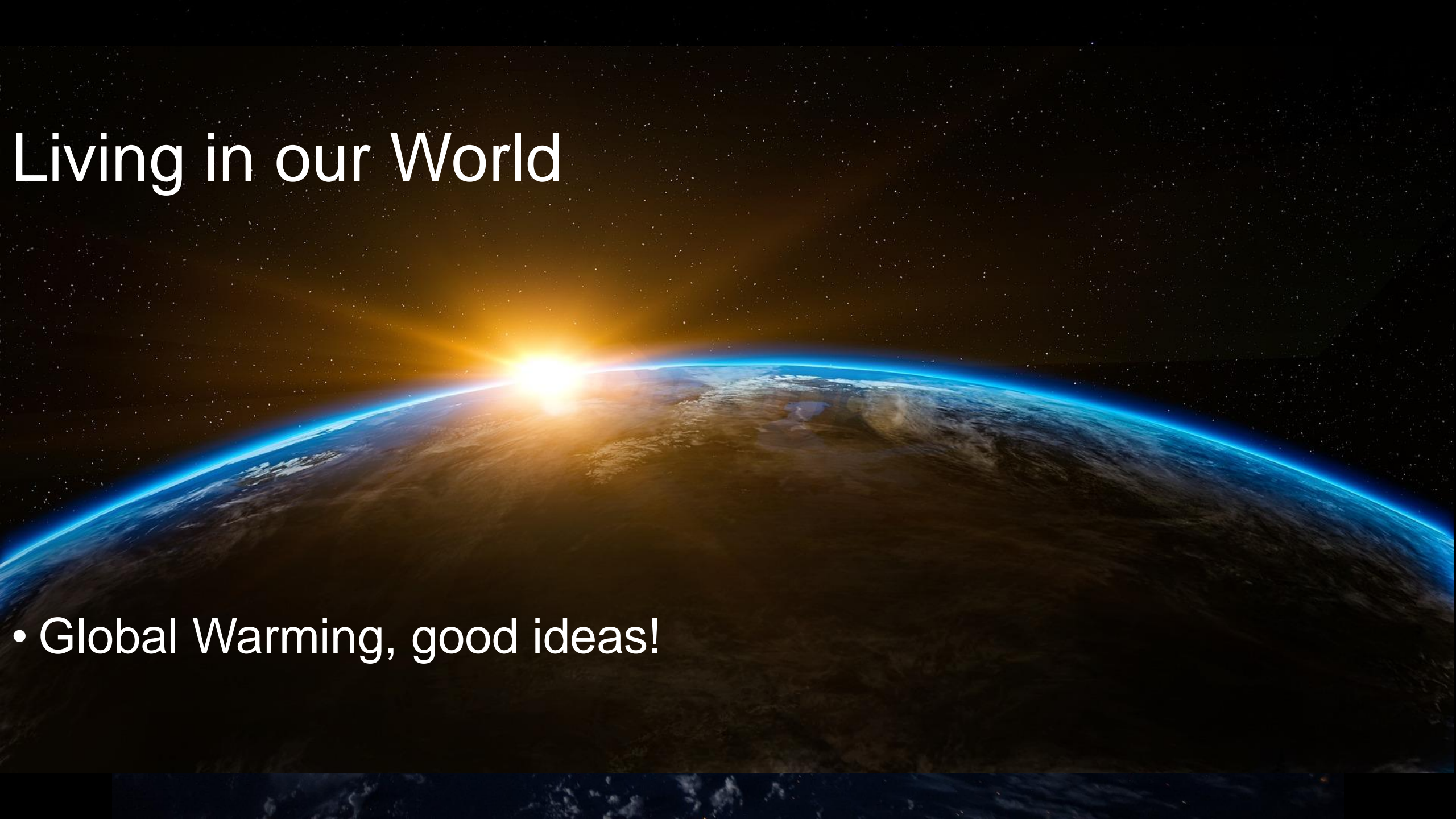


Living in our World

A full-page background image showing a view of Earth from space. The sun is rising over the horizon, creating a bright orange and yellow glow. The Earth's surface is visible, showing clouds and landmasses. The sky is dark with many stars.

- Global Warming, good ideas!

Greenhouse Effect

Causes and effects

- Emission of nocives gases (CO₂, methane e nitrous oxide) and deforestation;
- This turns the human life harder meantime for living in Earth; will rise the level of the oceans; will rise the global temperature, and so much others problems.

Solution


- First solution:
 - MOXIE
 - **Becomes 800 °C**
 - **Use so much energy**
 - **Low scale production**

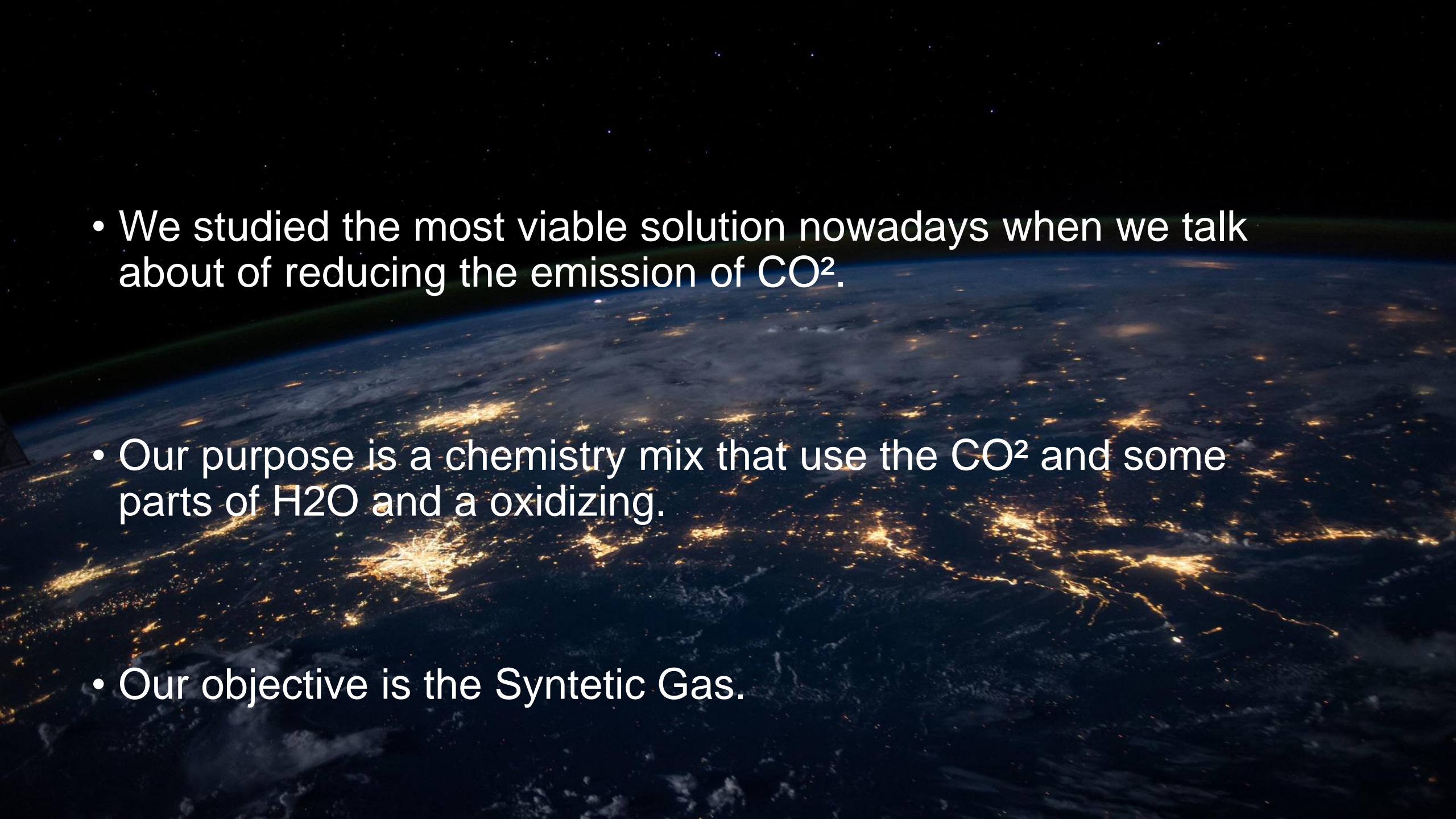


Michael Hecht

Asst. Director for Research Management at MIT Haystack
Observatory

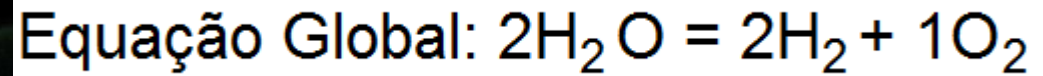
Grande Boston e Região, Estados Unidos · 272 conexões

 MIT Haystack Observatory

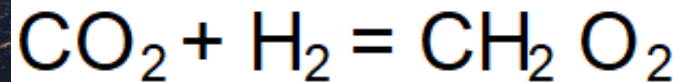
- 
- We studied the most viable solution nowadays when we talk about of reducing the emission of CO₂.
 - Our purpose is a chemistry mix that use the CO₂ and some parts of H₂O and a oxidizing.
 - Our objective is the Syntetic Gas.

Syntetic Gas

- Electrolysis of Water.

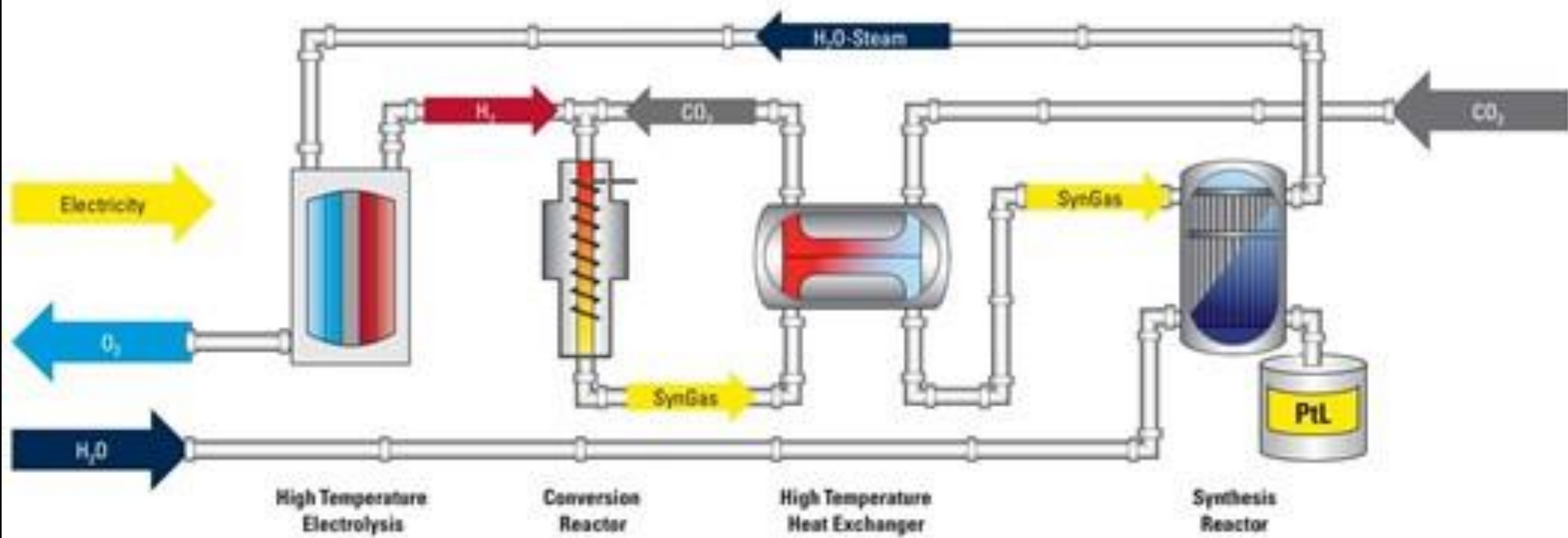


- After the electrolysis, the oxygen goes to the ambient and then starts the mix of CO₂ with H₂.



- Thinking in a large scale, we could calculate 0,21 KgMOL by reaction.

$$\begin{array}{l} \text{C} = 12 \text{ mol} \\ \text{H} = 01 \text{ mol (x2)} \\ \text{O} = 16 \text{ mol (x2)} \end{array} \quad \frac{10 \text{ Kg}}{46 \text{ mol}} = 0,21 \text{ Kg/mol}$$



Remark: Only the main mass and energy flows are shown.

Utility for the Humanity

- The reducing of the CO₂ emission.
- The production of Oxygen, using a pollution gas.
- The creation of a sustentable fuel.

Conclusion





Thanks!

