Innovation in Sustainable Fuels & Energy

MODERATED BY:
KARL DYE, TRIDEC

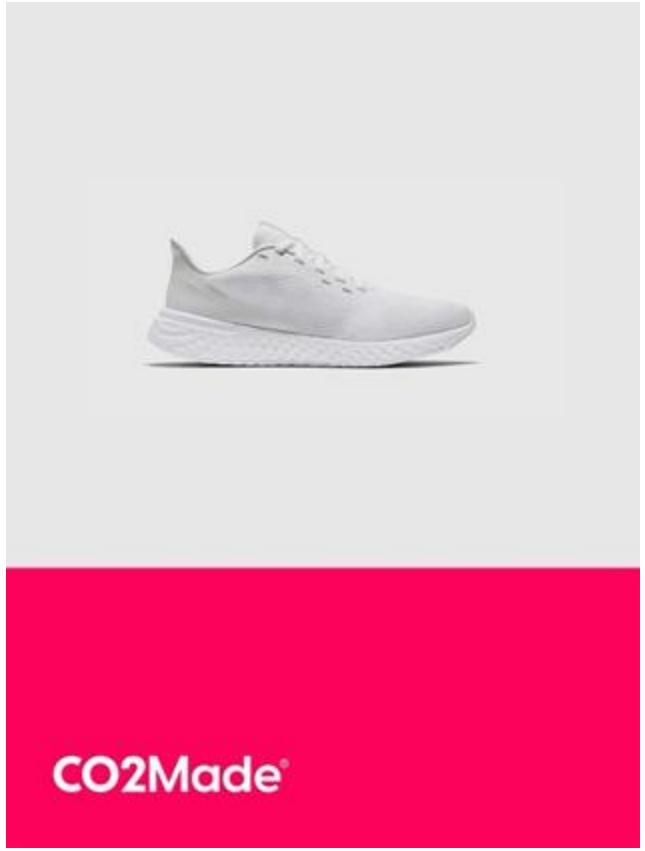
PRESENTERS:
DEREK PHELPS, Head of Policy & Governmental Affairs, Twelve E-Jet

JOHN PLAZA, President & CEO, SkyNRG
TODD BRIX, President & CEO, OCOchem
STEPHEN MAZURKIEWICZ, Senior Advisor, Richland Site Operations and Advanced Reactors, Framatome

we’re the carbon transformation company

eFuels for transportation and logistics

eChemicals for carbon negative feedstocks



CO2Made® products from brands you love

modular technology enables rapid scaling and deployment near biomass production

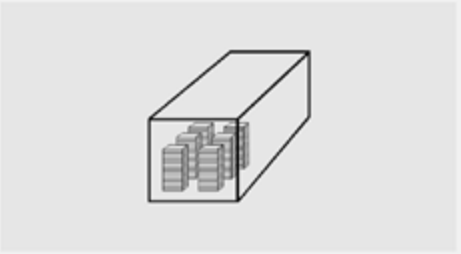
1
the shiny black leaf

Our core carbon transformation technology is the Membrane Electrode Assembly (MEA) which uses a novel CO2-reducing catalyst to electrify CO2 and water producing only oxygen and synthesis gas

2
the stack

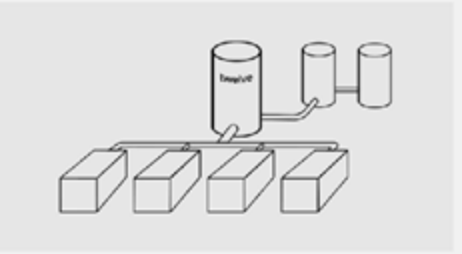
The Stack is a highly modular repeating sequence of MEAs and electrolyzer hardware to allow for controlled electrical current, CO2, and water to flow across each membrane

3
opus™



Opus is our industrial scale carbon transformation platform. It can plug into industrial systems using CO2 from point of emissions or from direct air capture

4
airplant™



AirPlant is our carbon transformation plant that can produce both E-Jet® SAF as well as E-Naphtha™

pilot products

Mercedes-Benz

World's first CO2Made®
car parts

Mercedes-Benz

World's first CO2Made®
PU Foam

US Air Force

World's first jet fuel
made from CO2

Tide

World's first
CO2Made® formate

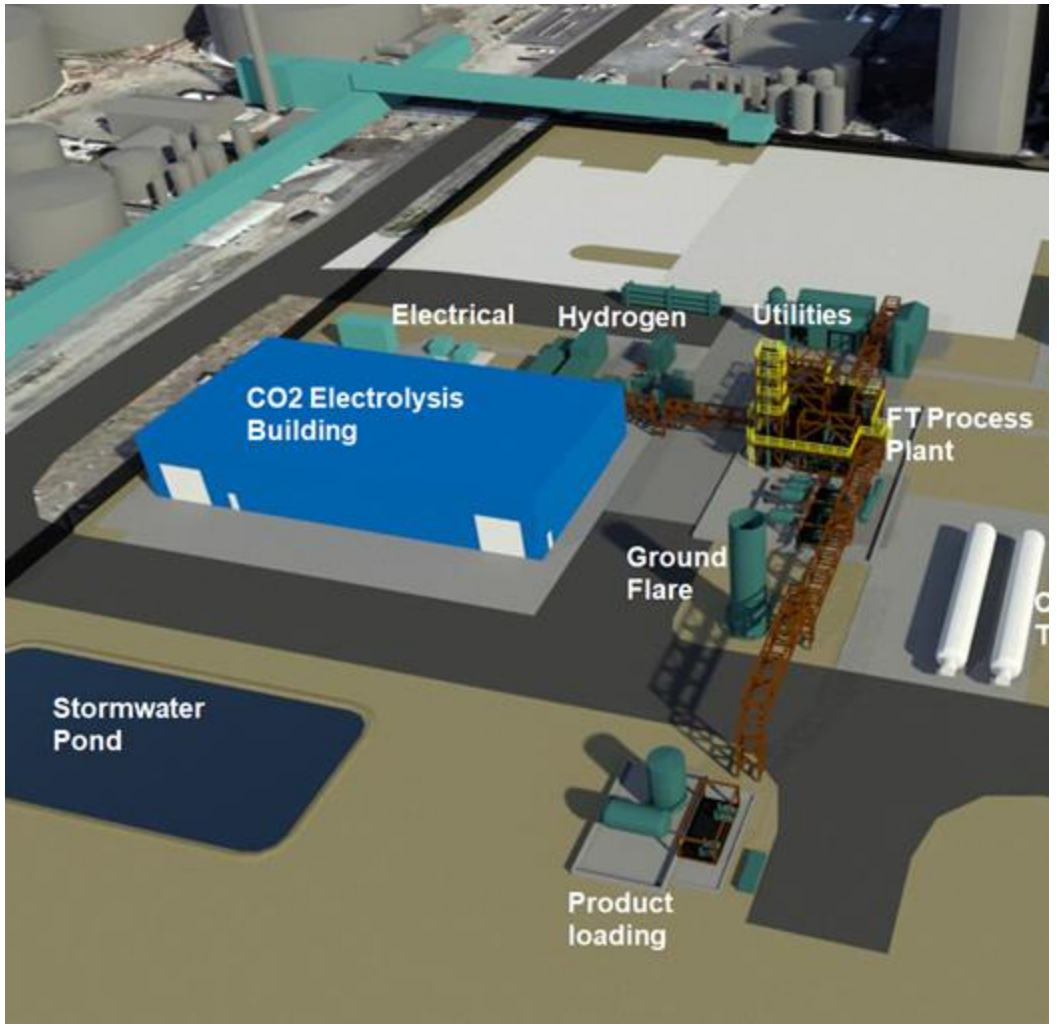
Pangaia Labs

World's first CO2Made®
Sunglasses

an unprecedented eSAF partnership

twelve x Alaska AIRLINES x Microsoft

Twelve’s first CO2-to-fuels site online in 2024



- Location: Moses Lake, WA
- Capacity: 5 BPD E-fuel
- Production Start: H1 2024, ramp to full capacity by H1 2025
- 200+ jobs in construction phase, 15-20 ongoing
- Operation: 24/7 operations
- Products: SAF, naphtha, commercial agreements with Alaska Airlines and Microsoft
- CO2: Corn-Ethanol and RNG facilities, 9,000 tons per year
- Electricity: Grant PUD (up to 20 MW of initial demand)

SKYNRG AMERICAS

PROJECT WIGEON

August 2025

PROJECT WIGEON IS A 50 MGAL (143KTA) SAF FACILITY LOCATED IN WASHINGTON STATE

10-year/100-million-gallon agreement (HoT) for the project with "Cost of Production" pricing with additional offtake discussions ongoing

Targeting **start-up in 2030;** Define Phase expected to start Q4-2025

Industrial site secured (165 acres) with permitting published in Wallula**, Washington State** (United States) – one of only a few GTL projects permitted in the US for SAF

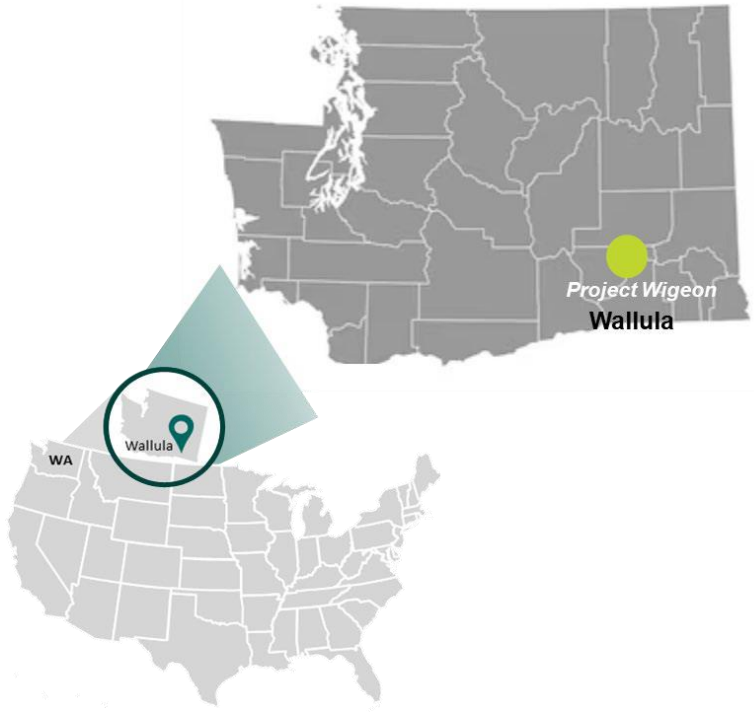
Direct access to national gas grid with sufficient supply to source RNG to project from GTN pipeline

Combination of LFG[1] and avoided dairy methane RNG sources unlock **>100% CO_2 emission reduction potential**, resulting in **competitive abatement cost per tCO_2e**

Use of existing GTL **Fischer-Tropsch** technology

Potential to scale up capacity in future - and can incorporate Power-to-Liquid feedstocks should market create positive demand for eSAF in US

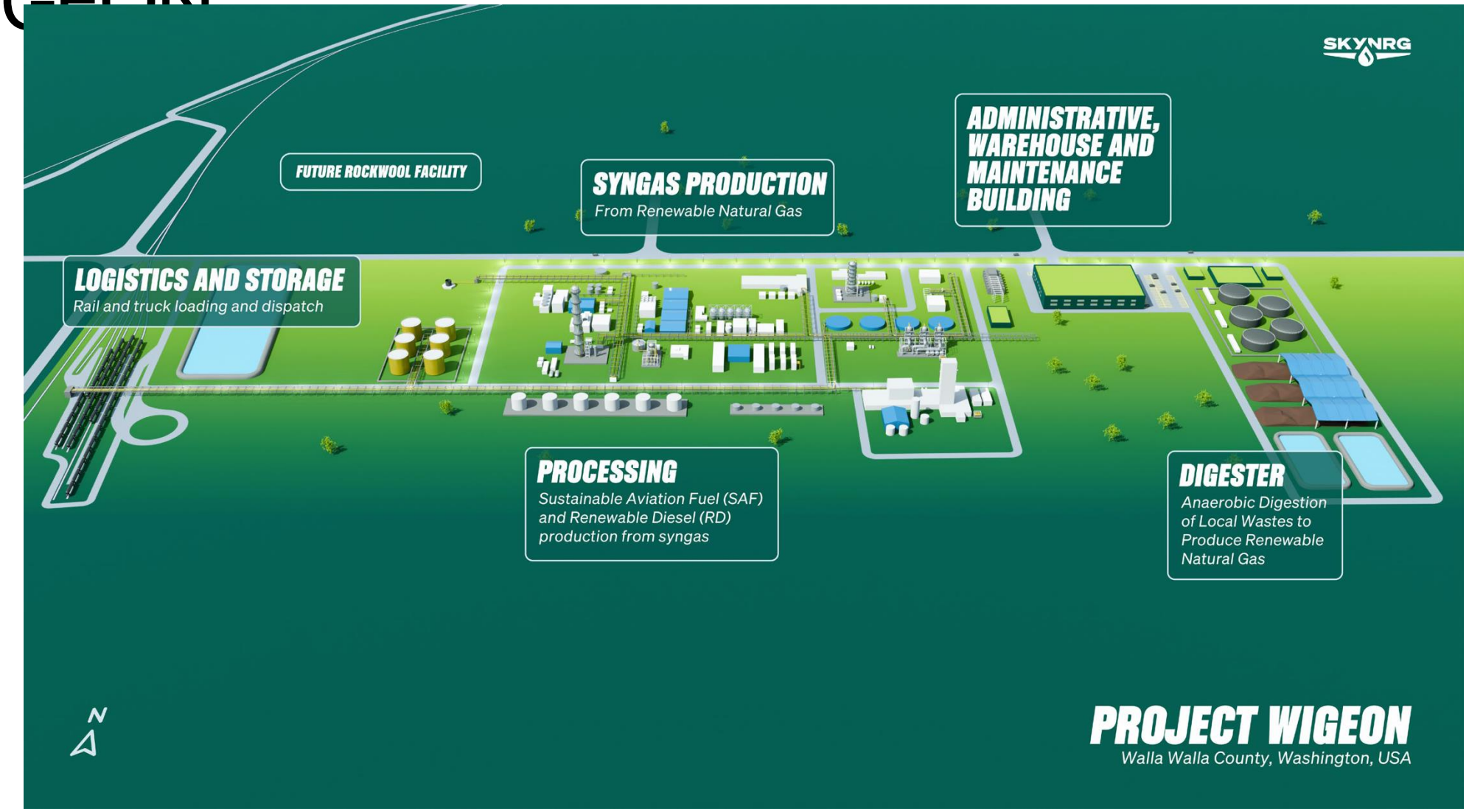
Project Wigeon SAF can serve both US, EU & UK markets, allowing for economic arbitrage opportunities across global markets



1. Landfill Gas, 2. FEED = Front-end Engineering Design

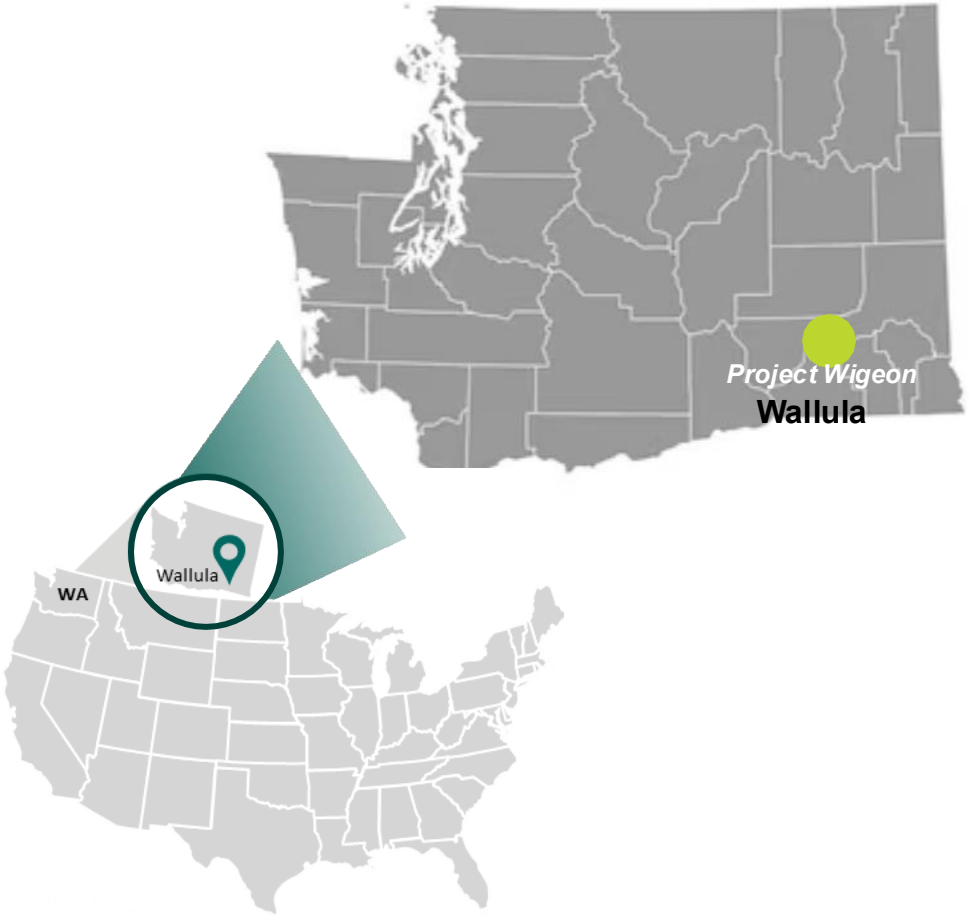
PROJECT WIGEON

projectwigeon.skynrg.com



WALLULA IS CORNERSTONE OF WA COMMERCIAL SCALE SAF PROJECT

WA state SAF tax credit passed in 2023 by a margin of 141 to 1 in WA legislature, with strong bi-partisan support



Topic	Description
PSA	• SkyNRG Americas has a fully executed purchase and sale agreement (PSA) with the Port of Walla Walla for Project Wigeon
Permitting	• Positive progress on finalizing SEPA process with no negative comments during recent 30-day comment period – Final MDNS expected in Q3 '25
RNG supply	• Sufficient regional gas grid capacity available at Wallula Gap Business Park with connection to GTN Interstate Pipeline • Potential for onsite RNG production from local waste streams via anerobic digestion included in SEPA process • Long-term potential for significant RNG feedstock from regional RNG production within Washington and Oregon as well as rest of nation
Connectivity	• Able to supply all West Coast major airports via rail or truck utilizing existing regional fueling infrastructure • RNG based SAF from Wigeon could be exported to EU for RED III
Multiple products	• Facility able to produce both SAF and Renewable Diesel (RD)
Offtake demand	• Existing contractual demand for SAF over long term offtake agreement (10 years/100mgy)

PROJECT WIGEON SITE LOCATION – PORT


SKYNRG

OCO CHEM

Regenerating CO_2 into Formate Molecules

41% Lower Cost.

113% Lower Carbon Intensity.

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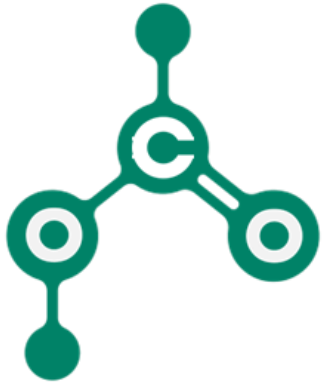
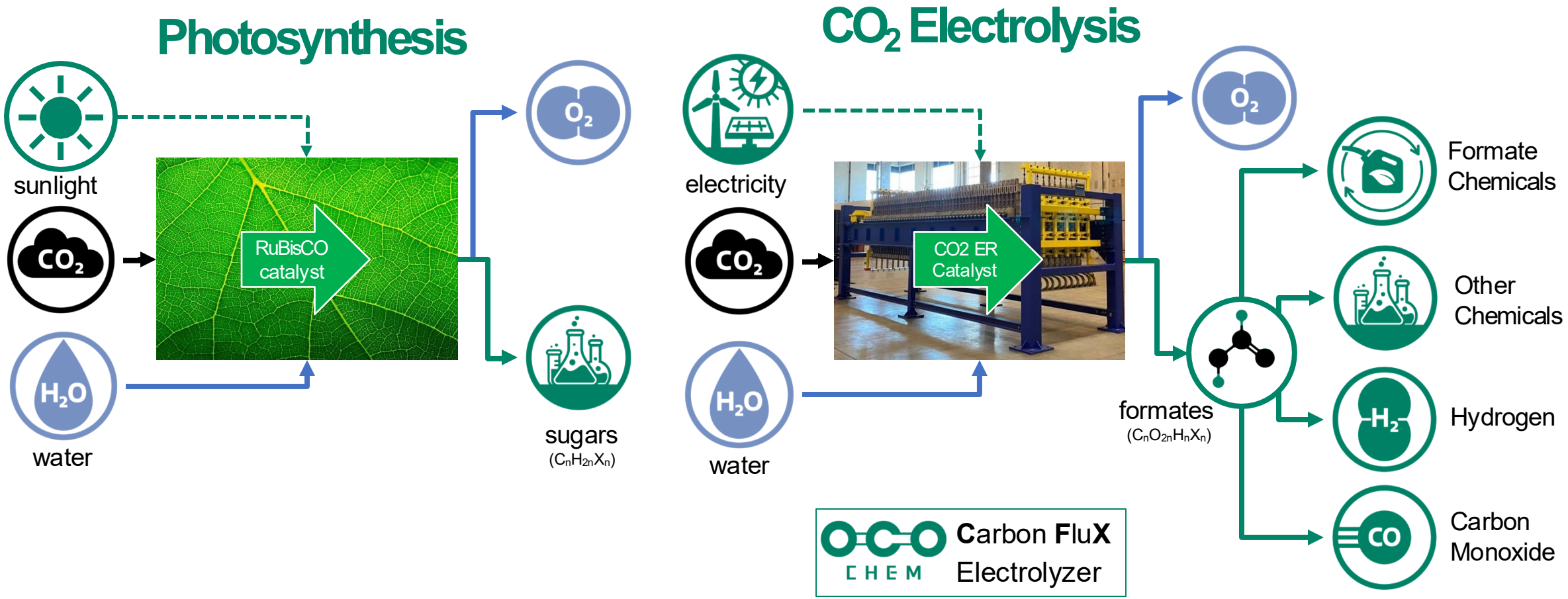


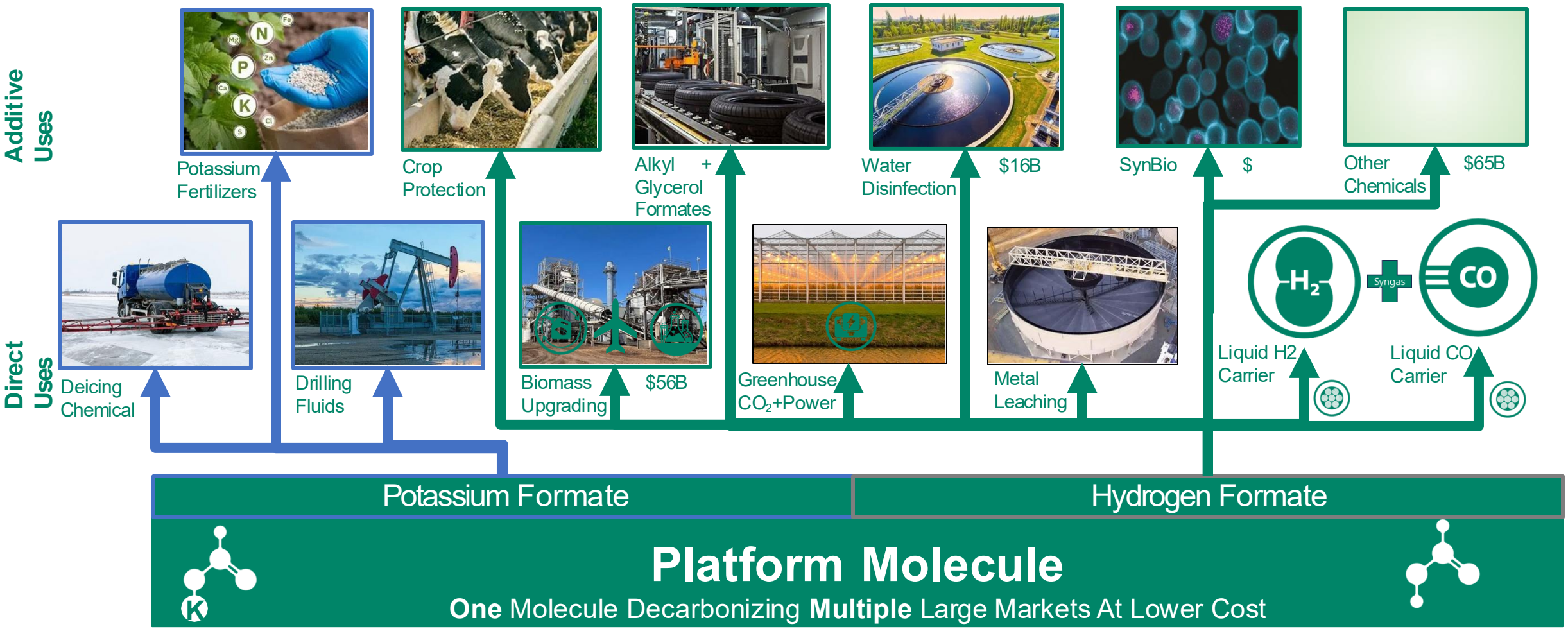
What we Do. "Artificial Photosynthesis"

OCOchem makes formate molecules from CO_2 and water . . . just like plants. Except, we use proprietary CO_2 Electrolysis technologies to make formate molecules from CO_2 at a **41% lower cost and 113% lower carbon intensity** than incumbent fossil fuel-based formate production processes.



Target Markets

Formates are increasingly used as direct and functional replacement to existing chemicals and/or can be added with other molecules to address ~10% ($493 billion/year) of the $5.0 trillion global chemical market. Reducing formate carbon-intensity and cost will propel further market penetration.



Technology. Carbon FluX Electrolyzer

OCOchem has developed the world's largest & highest performance CO_2 Electrolyzer Cell to produce formate. Technology Proved. Scalability Proved.

World's Largest CO_2 Electrolyzer
15,000cm^2.

Commissioned on 01.18.2024 in New York for US Army

U.S.ARMY

U.S. DEPARTMENT OF ENERGY

Washington State Department of Commerce

Commissioned on 04.08.2025 in Richland, WA

World's Largest CO_2 Electrolyzer Pilot Plant
25,000 gallons/year

Most Efficient.	>85% Faradaic Efficiency. 100% Liquid Product Selectivity
Most Scaled Up and Out.	1.5m^2 industrial scale cell size. Multi-cell pilot plant stack.
Ambient Operations.	20C, 1atm
Key Component.	Axial FluX Gas Diffusion Electrode made of non-PGM metals

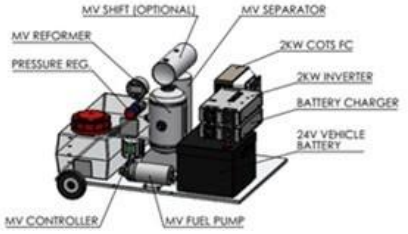
Traction

- $310M in Purchase Agreements
- 4 Customer Projects
- Production Partnership with ADM
- 18 patents – full stack
- Front-End Engineering Design Study Done
- Carbon Negative Footprint Done
- Global Distribution Partnerships Formed

Key Customer Deployment Projects

Field Demonstration Plant co-located at ADM's flag-ship refinery in Decatur, IL

Hydrogen Formate for PORTable Power Generator 2kW (Q1-2026)



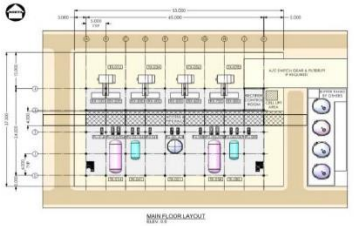
ENERGY earthshots U.S. DEPARTMENT OF ENERGY | Hydrogen

Sole-Source Contract for Global Supply of Formate for U.S. Department of Defense

U.S. Department of Defense

Hydrogen Formate FEED Study for Formate Agrochemicals

Nutrien



Please Use, Don't Waste, CO_2

OCO CHEM

Regenerating CO_2 into Useful Molecules

Todd Brix

CEO and Co-Founder

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www.ocochem.com

Richland, Washington U.S.A.

framatome


Richland fuel
manufacturing site
Focused on
the future
of nuclear fuel
Light Water Reactors
Small Modular
Reactors
Advanced Reactors
framatome

framatome

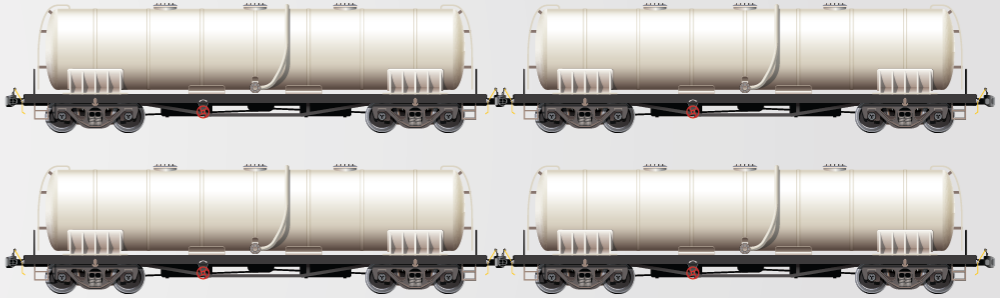
Nuclear Energy

Our low-carbon energy future powered by the pellet

1 Uranium pellet
(about the size of a thimble)

is equal to

17,000 cubic feet of **natural gas** (about 4 train cars full in liquid form)



149 gallons of **oil**
(about 3½ barrels)

5  **pellets will power a house for one year**

2,000 lbs of **coal**

Framatome Richland Site: Today

Fuel built in Richland supports:

U.S. Energy Security

Fuel manufactured at our site is responsible for **5%** of the utility generated electricity in the U.S.

Greenhouse Gas Reduction

On average, we manufacture **90 million** UO_2 pellets per year

All U.S. LWR Reactor Platforms

We build approximately **2,000** fuel assemblies each year for the current light water reactor fleet; more than **75,000** in our history

For more than 55 years the Richland site has been delivering the most advanced nuclear fuel and fuel-related products to our US and international customers

framatome

framatome

Richland

Delivering a secure supply of nuclear fuel products for more than 50 years

40 Year License

First 40-year NRC fuel fabrication license extension

Fully licensed to **2049**

The most **Modern** and **Flexible** fuel fabrication **Facility** in the world

$7M+ **Annual Investments** on facility upgrades and improvements

Manufacturing **10+** **Types** of PWR and BWR fuel

Utilizing a **Global Team of Experts** with unmatched industry experience

Environmentally-friendly **Patented** **Dry Conversion** process to UO_2

UF_6

Recognized for **18** **Consecutive Years** with **No Areas Needing Improvement**

The highest positive rating provided by the **NRC**

2006 2007 2008
2009 2010 2011
2012 2013 2014
2015 2016 2017
2018 2019 2020
2021 2022 2023

Framatome Richland Site: **Future**

- Infrastructure and Sustainability
  - Modern facility providing best-in-class fuel supply to operating nuclear fleet
- Increased LWR Fuel Production Capacity
- Advanced Fuel Management
  - Supply of LEU+ fuel
- Beyond LWR supply
  - Center of Excellence for Advanced Reactor Fuels

Restarts and new builds will increase fuel demand… Framatome continuously invests in our facility to meet the expected growth

framatome

Thank you