

## INFINIUM COMPANY OVERVIEW



**INFINIUM** IS A COMMERCIAL SCALE DECARBONIZATION PLATFORM FOR HEAVY TRANSPORT, **UTILIZING EXISTING INFRASTRUCTURE** FOR LOWER EMISSIONS TODAY.



# **DECARBONIZATION SOLUTION** FOR HEAVY TRANSPORTATION



Infinium provides a net zero solution for some of the hardest to abate industries - aviation, long-haul transportation, maritime shipping, and chemicals – a \$1 Trillion+ annual addressable market.

**Infinium electrofuels** offer a solution to rapidly decarbonize these industries by leveraging its proprietary technology and renewable power to produce ultra-low carbon drop-in fuels.

#### **8B tonnes**

CO<sub>2</sub>

CO<sub>2</sub> emitted from transportation sectors globally

#### **101MM BPD**

Estimated global average petroleum and liquid fuel consumption in 2023 ~ 5%

Biofuels & electric vehicles share in the global transportation market

Over 25% of global  $CO_2$  emissions come from transportation, with aviation accounting for 11%. Heavy transportation is challenging to decarbonize.





# **INFINIUM**ELECTROFUELS

A new class of synthetic fuel, **electrofuels** (eFuels, PtX), can be dropped into existing engines that use jet fuel and diesel with no changes required in downstream infrastructure. eFuels are also an ultra-low carbon replacement for petroleum products used in everyday plastics and chemicals.

Infinium's production process uses renewable power, waste CO<sub>2</sub> and water. Unlike most of today's SAF and renewable diesel, it does not compete with food or land resources, allowing for greater potential scale.



#### Infinium Sustainable Aviation Fuel (eSAF)

- Meets existing aviation fuel specifications
- Near zero carbon intensity\*
- Reduced particulates vs conventional fuel
- Lower air toxins on combustion
- New mandates for eSAF in UK and FU.



#### Infinium eDiesel

- Meets existing diesel specifications
- Near zero carbon intensity\*
- High cetane / zero sulfur / low lubricity
- Lower air toxins when combusted ( $NO_x$ ,  $SO_x$ , CO)
- New mandates for eDiesel in UK and EU



#### Infinium eNaphtha

- Replacement for petroleum-based naphtha feedstocks
- Negative carbon intensity at plant gate\*
- No aromatics
- High paraffin content
- Use in plastics production



### **CURRENT** MARKET ALTERNATIVES

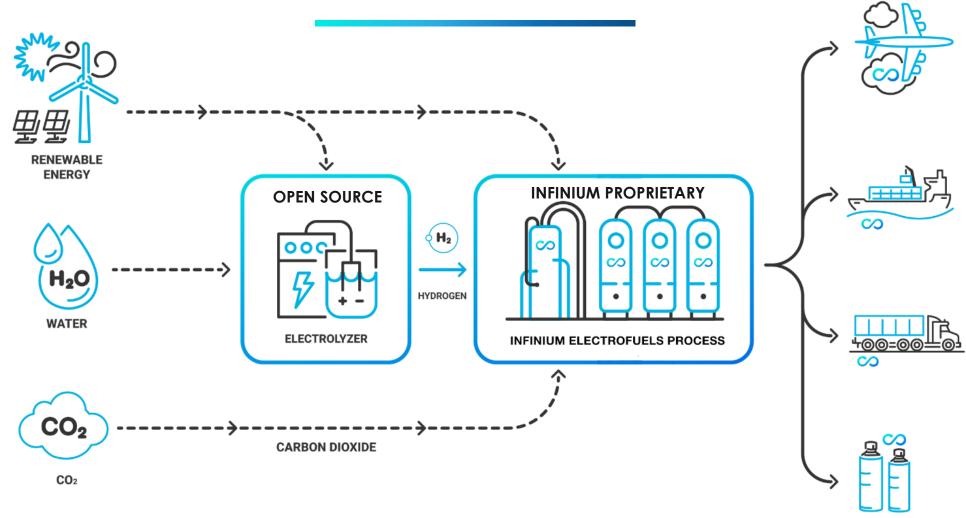
Existing alternatives for heavy transport fall short of providing a viable solution **at scale** due to challenges with growth and adoption related to feedstocks, land use, technological readiness, or changes in infrastructure.

Electrofuels drop into existing infrastructure presenting a unique opportunity to leverage what we have today to decarbonize now.

		Carbon Intensity (gCO2/MJ)	Drop-in Fuel	Plentiful, non-food feedstock	No Infrastructure Turnover	Applicable for Heavy Transport Sectors
	Electrofuels	0 – 10	$\checkmark$	$\overline{\checkmark}$	lacksquare	$\overline{\mathbf{V}}$
	2 <sup>nd</sup> Generation Renewable Fuels	20 – 60	$\checkmark$		$\checkmark$	$\checkmark$
	Advanced Low Carbon Fuels	10 – 50	<b>✓</b>		$\checkmark$	$\checkmark$
出	Traditional Biofuels	40 – 70			$\checkmark$	$\checkmark$
(H <sub>2</sub> )	New Alternative Fuels	0 – 10		$\checkmark$		$\checkmark$
	Electrification	Varies by region		$\checkmark$		



## INFINIUM EFUELS PROCESS



## INFINIUM IS UNIQUE IN THE LOW CARBON FUELS ECOSYSTEM



Infinium's dual roles as a technology provider and project developer create strategic advantages:

**TECHNOLOGY PROVIDERS** 

**PROJECT DEVELOPERS** 

- Strong foothold in eFuels space, creating greater barriers to entry for competitors due to proprietary technology
- 2 Accelerated feedback loop to advance project development, operational and technology improvements
- 3 Project quality control
- 4 Access to recurring revenues
- 5 Lower upfront project development costs





## GLOBAL STRATEGIC PARTNERS SUPPORTING GROWTH

- Our partners are passionately committed to supporting the commercialization of eFuels globally. They have the potential to substantially and cost effectively decarbonize existing supply chains.
- Alignment of investors and commercial partners accelerates Infinium's project development pipeline.

#### **FINANCIAL SPONSORS**

































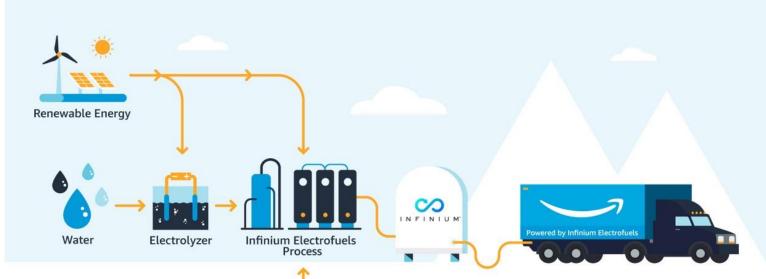




## BRINGING ELECTROFUELS TO AMAZON

Infinium will provide electrofuels to power

Infinium's first electrofuels facility is expected to begin production in 2023, supplying fuels to Amazon to help decarbonize their Middle Mile fleet.





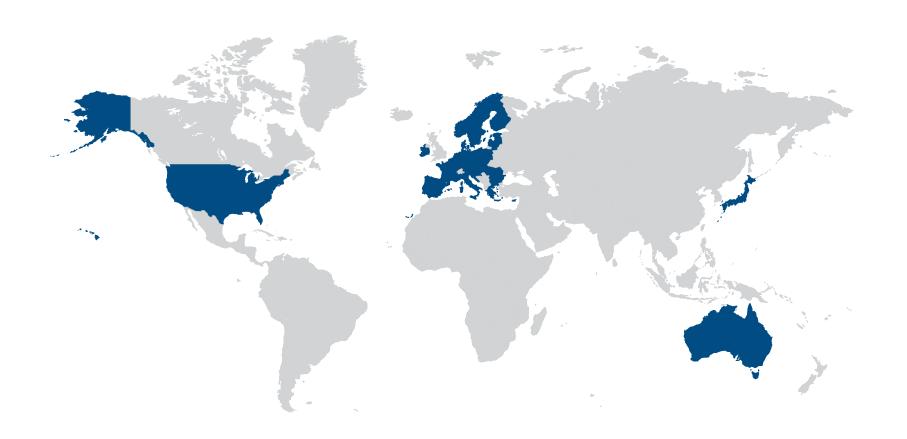






## GLOBAL PROJECT OPPORTUNITIES

Infinium is developing projects globally, growing scale and access to electrofuels in the market.





# PROJECT ROADRUNNER





# ROADRUNNER **SUMMARY**

- On-track to be largest eFuel project in the world when it begins in 2026
- Brownfield Gas-to-Liquid project in West Texas being upgraded to eFuels facility
  - Producing eSAF, eDiesel, and eNaphtha





## ADVANCING EFUELS THROUGH PARTNERSHIP









#### **Catalyst Fund**

- Enabling and accelerating the deployment of emerging climate technologies
- Breakthrough Energy founded by Bill Gates in 2015
- Includes LPs such as Blackrock, Microsoft, Mitsubishi, and Bank of America

#### Investment

- Committed to \$75mm equity in Roadrunner at project level
- Represents first project equity commitment since inception of the fund
- Considers the project viability from a commercial, technological readiness, and execution perspective and its potential for scaling of the industry

#### Offtake Structuring

- Infinium entered into offtake agreement for eSAF with American Airlines
- Structure helps unlock project equity investment with tenure and fixed price
- Catalyst worked alongside American and Infinium to promote a model for how airlines can use offtake to attract investment
- Citi and American separately agreed to transfer Scope 3 emissions reduction



### THANK YOU

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