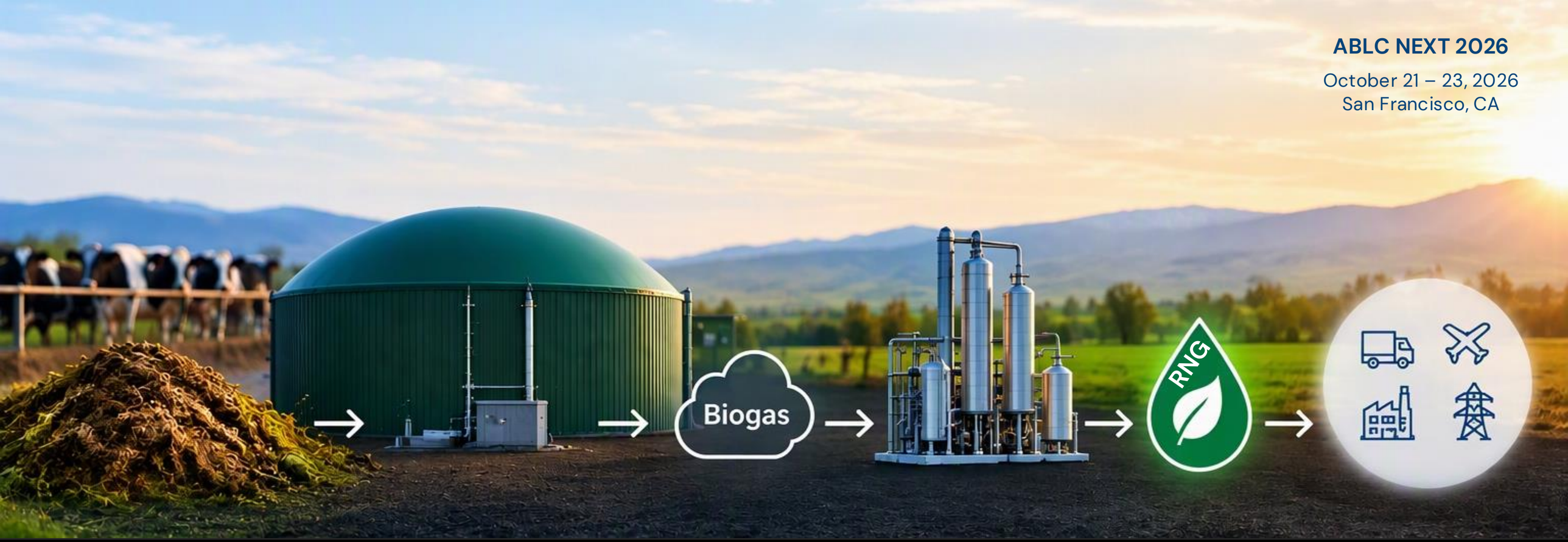
ABLC NEXT 2026

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When “More” Doesn’t Mean Better Value

What RNG Teaches Us About How Engineering, Carbon Intensity, and Policy Shape Investment Decisions

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ICF

A Tale of Two Feedstocks

DAIRY MANURE

Typical Baseline:
Open Lagoon (anaerobic)



RNG

DAIRY MANURE

Typical CI:
- 250 gCO2e/MJ

BEEF CATTLE MANURE

Typical Baseline:
Open Lot (aerobic)



RNG

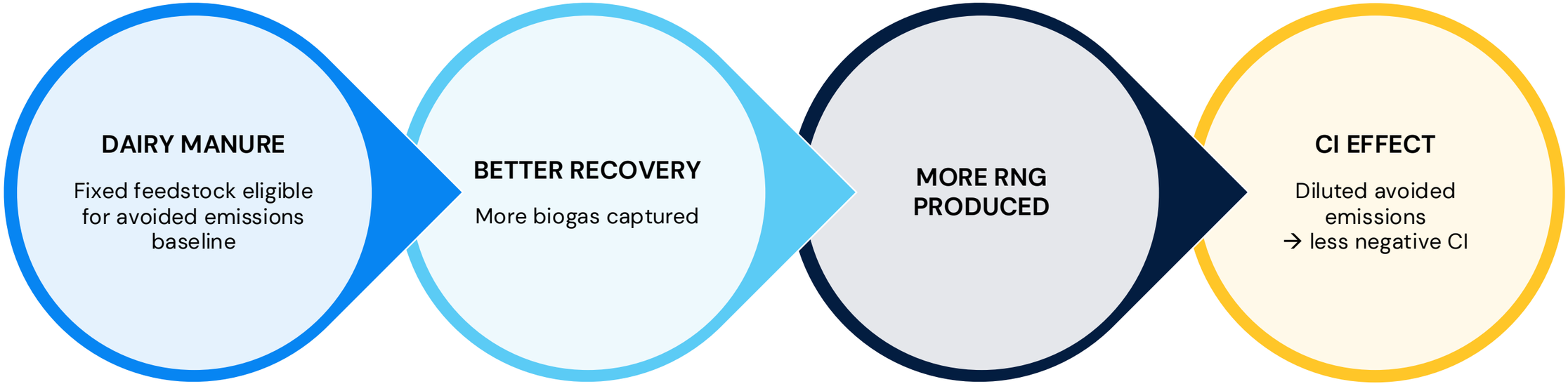
BEEF CATTLE MANURE

Typical CI:
60 gCO2e/MJ

The digester sees organic matter. Carbon policy sees feedstocks and counterfactuals.

More RNG Can Mean a Less-Negative CI

$$Carbon\ Intensity\ (gCO_2e/MJ) = \frac{Life\ Cycle\ GHG\ Emissions\ (gCO_2e)}{Total\ Fuel\ Produced\ (MJ)}$$



Did the project improve? It depends on what we are optimizing.

Same Fuel. Different Policy. Different Carbon Value.

California LCFS

Canada CFR

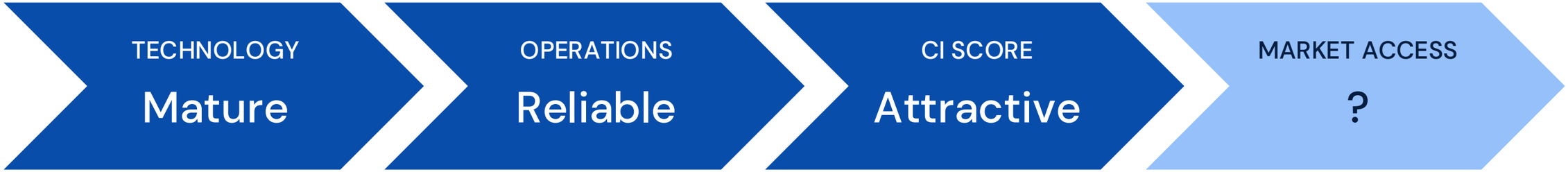
U.S. 45Z



Same farm • Same manure • Same digester • Same molecule

CI = physical system interpreted through an accounting and policy framework

A Great CI Does Not Guarantee Market Access



Can the environmental attribute reach the customer in a recognized way?

PHYSICAL DELIVERY

Pipeline / trucking / direct supply

CHAIN OF CUSTODY

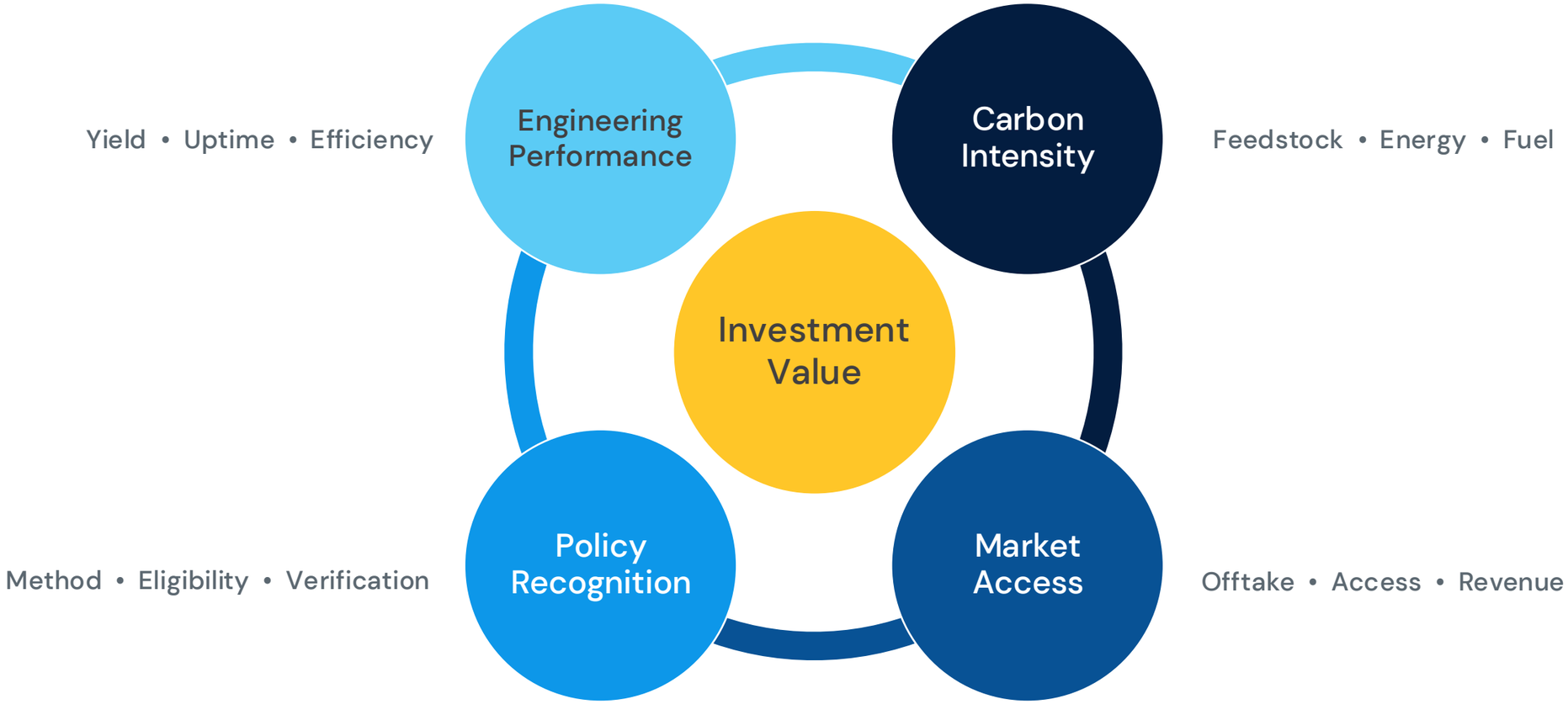
Traceability and exclusive claims

BOOK-AND-CLAIM

Recognition depends on program rules

Commercial opportunity can change even when the molecule and underlying GHG benefit do not.

What Are We Actually Optimizing?



None is the wrong metric. The risk is optimizing any one in isolation.

Connecting Technology to Investable Outcomes

Integrated support for low-carbon fuel projects across development, financing, construction, and operations

01 Engineering + Technical

- Independent engineering
- Technical due diligence
- Feasibility + project development
- Construction monitoring + owner/lender advisory

02 Carbon Intensity + Policy

- Project-specific LCA / CI modeling
- Sensitivity + scenario analysis
- Pathway registration + regulatory support
- Verification, reporting + CI diligence

03 Markets + Economics

- RNG and clean-fuel market analysis
- LCFS, CFR + RIN forecasting
- Feedstock, offtake + logistics
- Financing, acquisition + investment support

What decisions will make this project more deployable, financeable, and valuable?

Get in touch with us:

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