

Bioenergy with Carbon Capture and Storage at Gevo North Dakota

High-quality, certified-permanent carbon removal for your business





Forward Looking Statement



This communication contains “forward-looking statements” within the meaning of Section 27A of the Securities Act of 1933, Section 21E of the Securities Exchange Act of 1934 and as defined in the Private Securities Litigation Reform Act of 1995. Forward-looking statements may be identified by the context of the statement and generally arise when the Company or its management is discussing its beliefs, estimates or expectations. Such statements generally include words such as “believes,” “expects,” “intends,” “anticipates,” “estimates,” “continues,” “may,” “plan,” “will,” “goal,” or similar expressions. Forward-looking statements are prospective in nature and are not based on historical facts, but rather on current expectations and projections of our management about future events and are therefore subject to risks and uncertainties, many of which are outside the Company’s control, which could cause actual results to differ materially from what is contained in such forward-looking statements as a result of various factors, including, without limitation: the expected operational and financial synergies from the operation of Gevo North Dakota with the former Red Trail Energy, LLC assets; expected financial results (including adjusted EBITDA potential and expectations); competitiveness of Gevo’s products; demand for Gevo’s products; and other factors that could affect the Company’s business. These and other factors are identified and described in more detail in the Company’s Annual Report on Form 10-K for the year ended December 31, 2024, as well as the Company’s subsequent filings and is available online at www.sec.gov. Readers are cautioned not to place undue reliance on the Company’s projections and other forward-looking statements, which speak only as of the date thereof. Except as required by applicable law, the Company undertakes no obligation to update any forward-looking statement, or to make any other forward-looking statements, whether as a result of new information, future events or otherwise.

Unmatched Quality in Carbon Credits: Gevo North Dakota Goes Above and Beyond



Operational

CCS started in 2022 and more than 378K credits have been generated.



Delivery at Scale

The well is permitted for 180K tCO₂/year and can scale to 1M tCO₂/year.



Permanence

Credits from this project are certified by Puro for 1,000+ years.



Traced Feedstocks

Gevo's Verity™ tracking platform will trace feedstocks from the field-level.



Multiple Co-Benefits

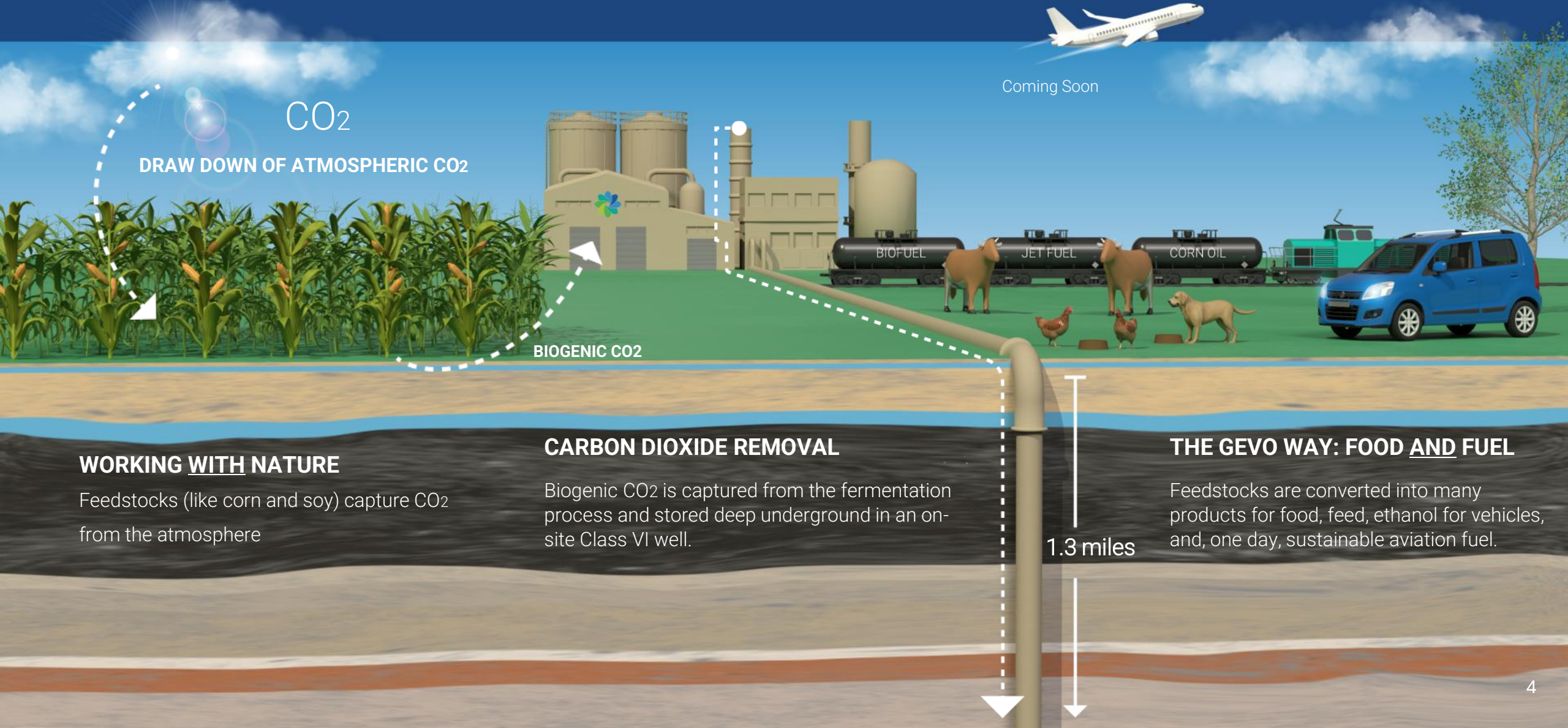
This project ties to UN SDGs 2, 3, 6, 8, 9, 12, 13, and 15.



Offset-to-Inset

Credit purchases fund the transition to SAF & future deliveries may be as SAF.

Sequestration of Atmospheric CO₂ at Gevo North Dakota



Coming Soon

CO₂

DRAW DOWN OF ATMOSPHERIC CO₂

BIOGENIC CO₂

WORKING WITH NATURE

Feedstocks (like corn and soy) capture CO₂ from the atmosphere

CARBON DIOXIDE REMOVAL

Biogenic CO₂ is captured from the fermentation process and stored deep underground in an on-site Class VI well.

THE GEVO WAY: FOOD AND FUEL

Feedstocks are converted into many products for food, feed, ethanol for vehicles, and, one day, sustainable aviation fuel.

1.3 miles

Carbon Capture and Sequestration



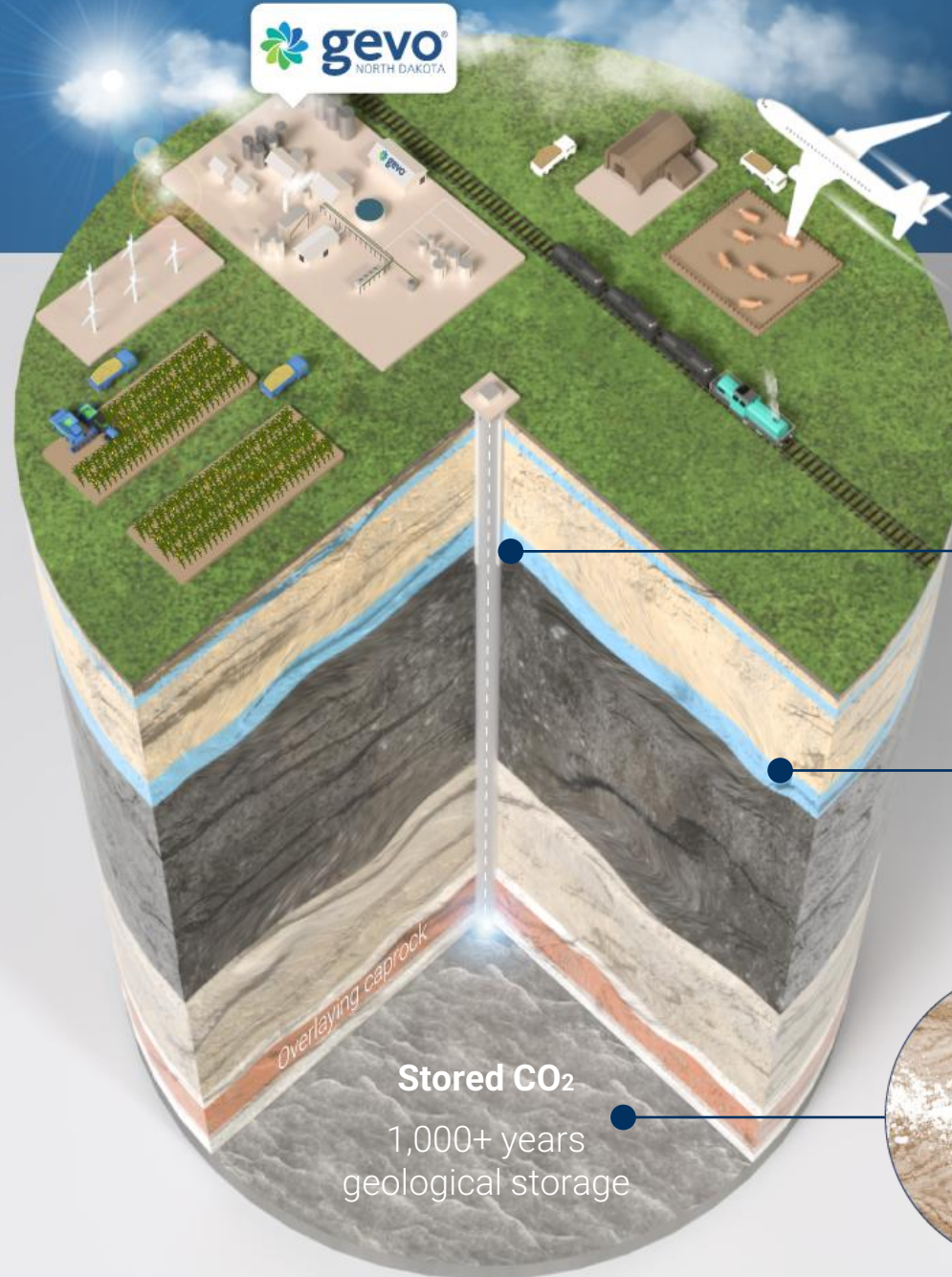
CO₂ injected into onsite Class VI well into porous rock layers ~1.3 miles (~2,000 meters) below ground becomes mineralized and dissolved into the rock.

Safely and continuously monitored injection well and monitoring well.

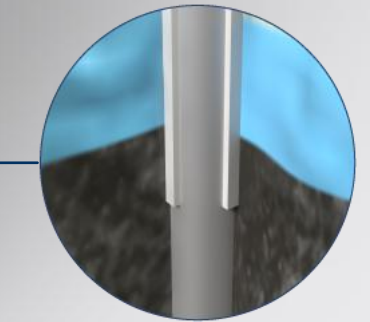
CO₂ dissolves in the saline formation waters and after ~100 years begins to mineralize.

The caprock's capabilities and the well design (perforations only start in the permitted zone) ensure CO₂ doesn't migrate above the caprock (aka: doesn't reach the water table or surface/atmosphere).

~1.3 Miles / 2200 m

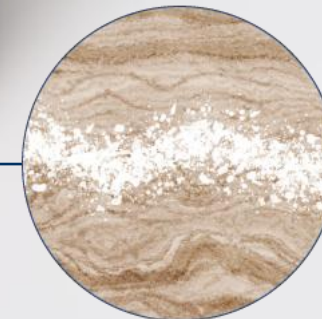


Steel Casing & Durable Cement to protect freshwater aquifer



Freshwater Aquifer

CO₂ Mineralization & Dissolution



Co-Benefits to the Community



The innovative and sustainable industrialization at Gevo North Dakota supports 50 jobs in Richardton, ND



Most of the corn used at Gevo North Dakota comes from farms with ~50 miles



Gevo's circular economy model for biofuels and bioproducts supports responsible consumption and production



Regenerative agriculture practices improve water absorption. Steel casing & durable cement protect the freshwater aquifer



This is a Fully Operational Project



Rigorous MMRV

From Carbon to Credit

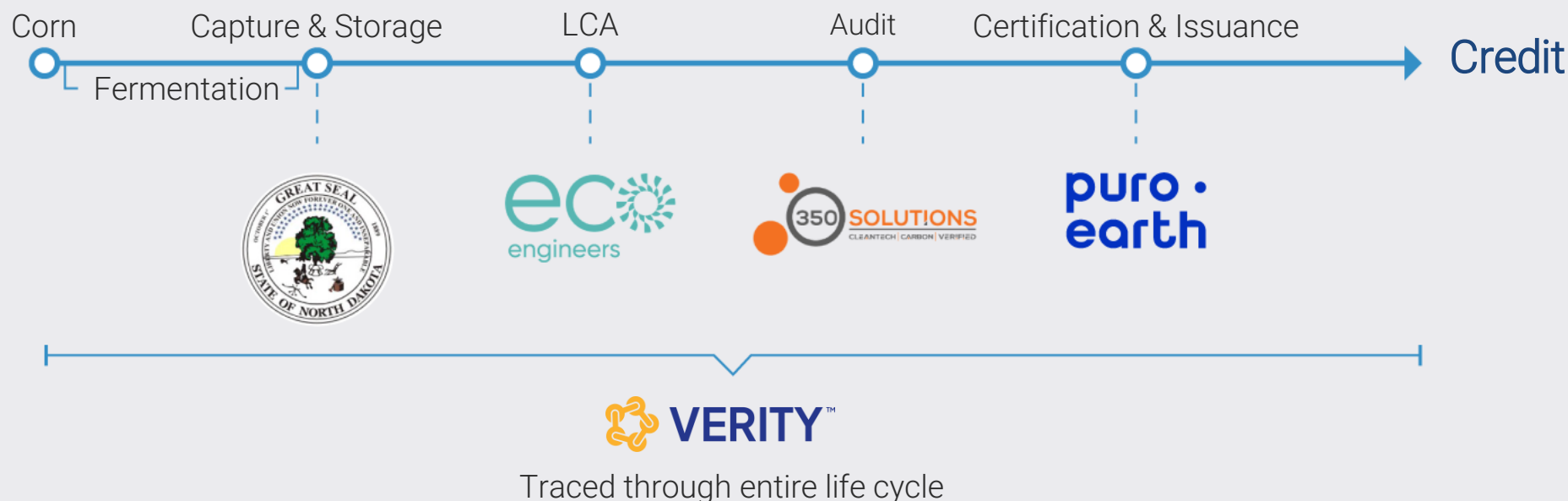


Monitoring

CO₂ captured is measured daily in pounds per hour first with a high-quality flow meter after dehydration and compression and then measured again at the wellhead after it passes through the flowline. An industrial automation system, DCS (Distributed Control System) historian, is used to record the flow data to the final production report.



GND collects data around CO₂ plume monitoring



Verity Carbon Tracking: Giving Visibility Upstream



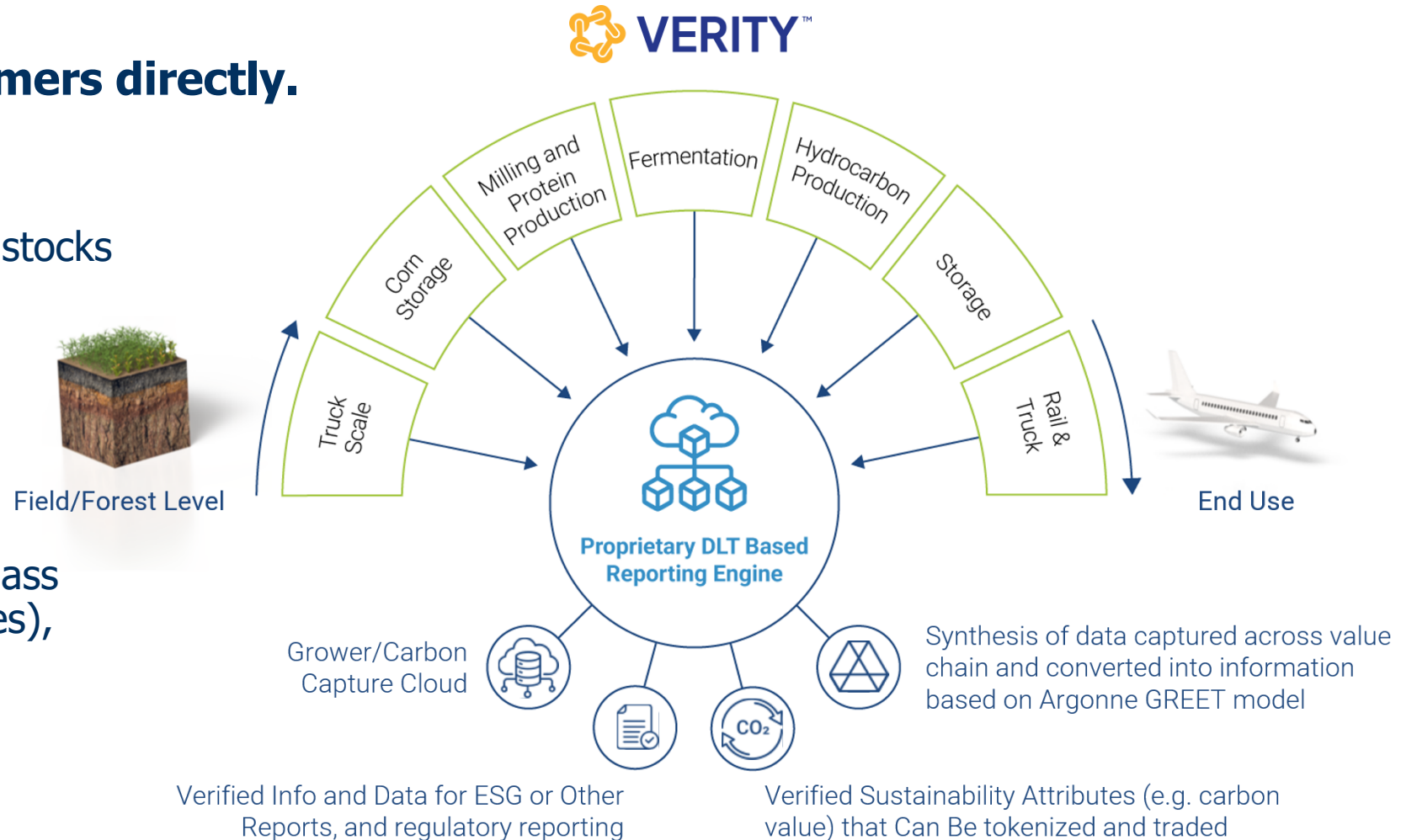
Gevo works with 75% of farmers directly.

The remaining 25% of biomass feedstocks come from local aggregators.

Gevo's Verity platform ensures:

- Feedstock traceability
- Field-level carbon data
- Supply chain visibility

Feedstocks are local (nearly all biomass feedstocks come from within 75 miles), regenerative, and benefit rural communities.



Generating Certified Credits Ready for Sale



CCS Operating since 2022

- Actively **sequestering carbon**
- **Generating verified carbon credits**
- Fully operational, world-class safety rating, stakeholders engaged and permits complete

520,734

Total Issued
Credits to Date

298,197

Total Retired /
Sold Credits
to Date

222,537

Ready to
Deliver

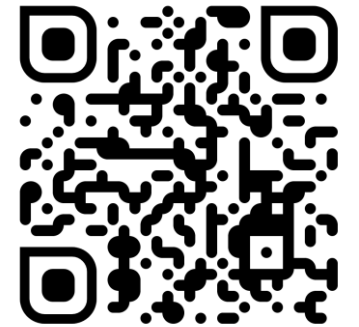
Gevo North Dakota is planning to sequester over 1.5 **million** tonnes of geologically stored CO₂ before the end of 2030

To Request a Site Visit:

Scan QR Code with Gevo Logo.



All project documents can be viewed on the Puro website. Well permit and monthly CO₂ storage volumes are publicly listed on the state of North Dakota official website for Class VI wells



Thank You

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