



Digital Natural Gas™

Accurately tracking greenhouse gas emissions from the production of natural gas is the first step in eliminating those co-produced emissions. Small losses during production—from leaks, venting, and incomplete combustion—can eliminate the benefits of “clean burning” natural gas.

The 20-year impact from current oil-and-gas methane emissions is equivalent to:



More than the annual CO2 emissions of the US



2X the CO2 emissions from all of Europe



6X the CO2 emissions from the global aviation sector

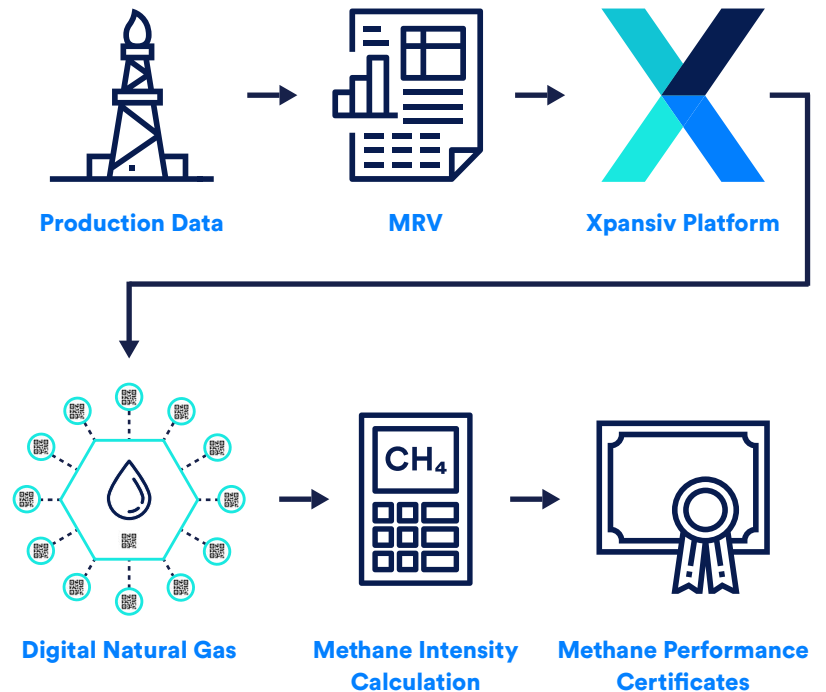


25% of the total GHG from oil and gas consumption globally



Digital Natural Gas enables the fulfillment of ESG objectives and requirements.

Xpansiv, the global marketplace for ESG-inclusive commodities, offers Digital Natural Gas (DNG) to help producers and consumers meet both voluntary and compliance-based goals. DNG is a digital representation of an MMBtu of natural gas production that includes a listing of its standardized attributes, such as well location, vintage, basin gas constituency, derived production-level methane intensity—all recorded as an immutable digital certificate. Desired attributes are minted in a transactable file that maintains a chain of provenance back to a specific location and time of production, including additional context related to the designated facility.



Digital Natural Gas - Methane Performance Certificates (MPCs)

THE FIRST TRADEABLE PRODUCT TO VALUE METHANE MITIGATION

Demand-side benefits:

- Prove responsible sourcing in the supply chain.
- Manage natural gas portfolio based on specific emissions targets against costs.
- Use unparalleled detail to support current and future emissions-compliance pathways.
- Offer downstream customers an environmentally responsible natural gas choice.
- Demonstrate ESG commitments to shareholders, consumers, and regulators.
- Enables reductions to scope 3 emissions.

Producer benefits:

- Realize premiums for Digital Natural Gas and MPCs based on GHG emission profile.
- Monetize investments in responsible production operations.
- Demonstrate ESG commitments to shareholders, lenders, stakeholders, and customers.
- Meet the increasing consumer demand for production transparency.

Methane Performance Certificate 2020

Product Description	Methane Performance Certificates (MPC) are derived from Digital Natural Gas (DNG) assets in the Xpansiv Platform representing the production of natural gas. Each MPC unit is equivalent to one (1) MMBtu of natural gas with zero upstream fugitive methane emissions relative to a calculated baseline emission intensity.
Retiring Organization	ACME Corp.
On Behalf of	Xpansiv
Retired	Sept 28, 2020 07:13 PM UTC
Retired By	Test User 1
Account	00-0917-1762-1234
Digital Feedstock Attributes	Vintage: 2020
	Framework: DNG 1.0 Emission Baseline: US 2020 1.0



Certificate ID

ACMEC-00091717621234 IES009-00000023

Transaction ID

cdecc6318ff1da695a5e7754d54d9c8295a5916e52e9f41ccf0dfc2e6a810825

XPV Signature

cdecc6318ff1da695a5e7754d54d9c8295a5916e52e9f41ccf0dfc2e6a810825

DNG enables the tracking of multiple industry standards and certifications at the MMBtu level, including Equitable Origin and Independent Energy Standards.



Critical Social Impact Scores

EO100™ Standard Principles:

1. Corporate Governance, Transparency & Ethics
2. Human Rights, Social Impact & Community Development
3. Indigenous Peoples' Rights
4. Fair Labor & Working Conditions
5. Climate Change, Biodiversity, and Environment

Independent Assurance

Performance Target

	1	2	3
Objective 1	✓		
Objective 2	✓		✓
Objective 3	✓	✓	

EO100™ Certification



Enter the Digital Commodity Ecosystem™

It's easy to sign up for the Digital Feedstock Registry, where you can transact DNG bilaterally or join CBL and transact with no counterparty risk. For natural gas producers, working with Xpansiv is straightforward and doesn't require new systems or software—your existing information systems simply flow data onto the Xpansiv platform.



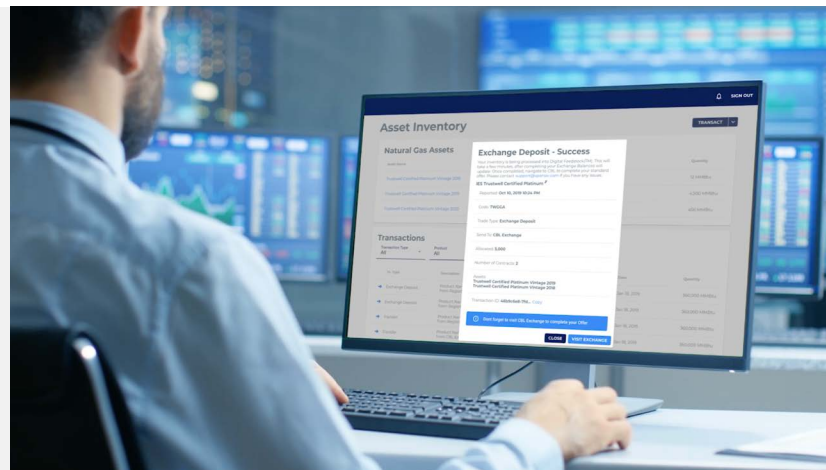
CBL provides access to the world's energy and environmental commodity markets, facilitating the secure and seamless trading of commodities like carbon, renewable energy, water, and gas. cblmarkets.com

Xpansiv

Xpansiv transforms primary production data into Digital Feedstock, a new file format that delivers secure, comprehensive information to global markets. For the first time, commodities can be traded in a digital format that includes a deeper accounting of their true cost and value. XCHG is dedicated to improving the way commodities are produced, managed, and traded worldwide. xpansiv.com

Contact a representative to learn more:

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