

# Highwood Emissions Management



## COMPANY DESCRIPTION

Highwood Emissions Management, based in Calgary, provides the world's first and only systematized measurement-informed inventory workflow for the oil and gas industry. Its flagship Emissions Intelligence Platform (EIP), launched in January 2025, was co-developed with leading producers to automate measurement informed inventory (MII) workflows compliant with existing regulatory and voluntary frameworks.

Designed for oil and gas companies, and particularly those managing large, complex portfolios of production sites, EIP addresses the growing need for credible, scalable, and cost-effective methane emissions data. Highwood's mission is to deliver the industry's most trusted solutions for accurate methane inventories—enabling real, transparent, and provable emission reductions across global supply chains.

The company's EIP innovation is particularly timely. Starting January 1, 2027, the EU Methane Regulation will require international producers to implement rigorous methane monitoring, reporting, and verification (MRV) to access European energy markets. Highwood EIP positions clients ahead of this curve—equipping them with the tools and support to meet the world's most demanding emissions standards.

### How It Works:

With a modular, cloud-native architecture, Highwood EIP guides users through the fastest, most credible path to creating measurement-informed methane inventories—supporting both regulatory and voluntary frameworks, including OGMP 2.0.

Users begin by uploading facility hierarchies and existing emissions inventories and the platform then calculates the optimal number & type of measurements to take across the operation. As measurements roll in from the field they are uploaded to generate an evolving view of company & asset specific methane emission factors and measurement-informed inventories.

EIP then flags discrepancies between engineering-estimated and observed data and automatically generates robust uncertainty analysis and materiality assessments. The platform's unique reconciliation workflows identify a best estimate of emissions, their likely root causes, and how measurement strategies can be improved going forward. EIP also supports the ingestion of emissions data from satellites, aircraft, drones, and continuous monitoring systems, helping operators integrate a wide range of top-down and bottom-up measurements.

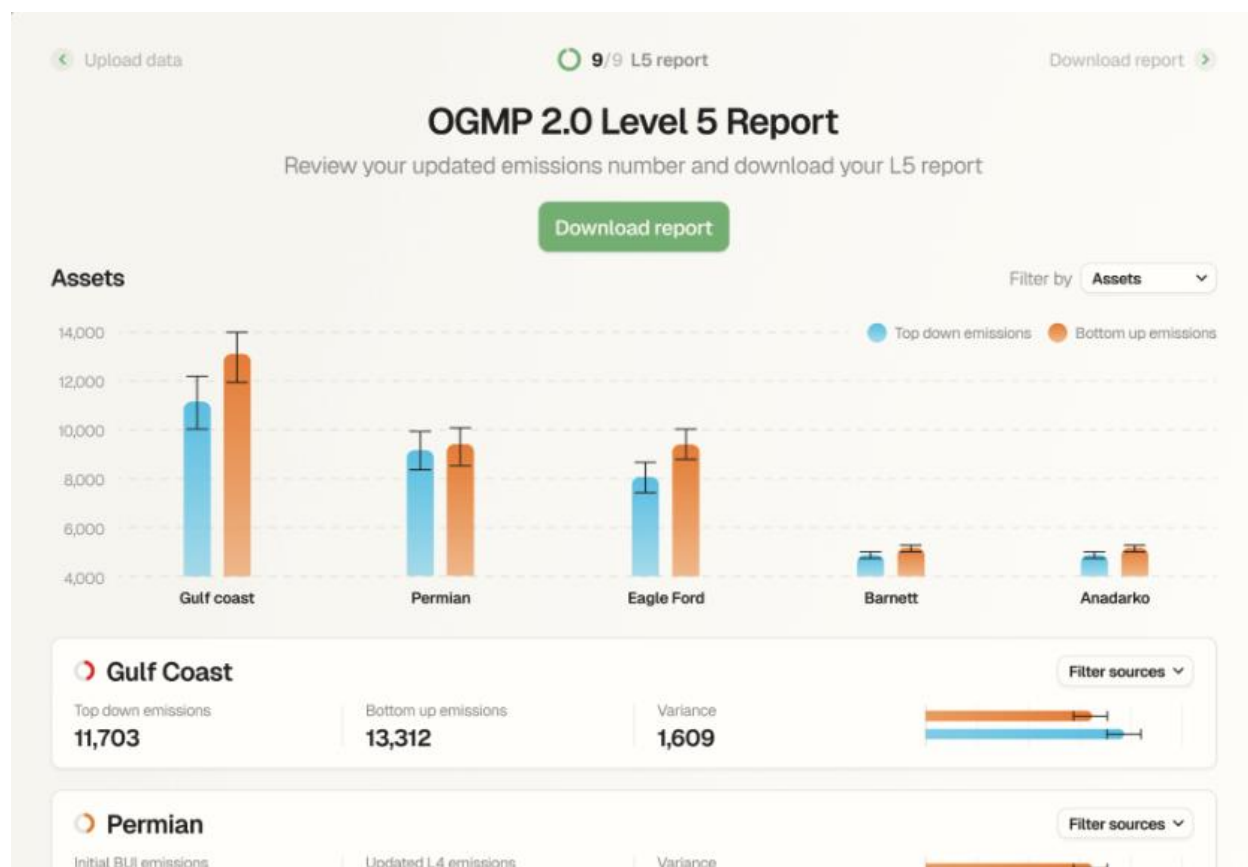
Highwood's consulting team complements EIP with tailored support: interpreting evolving regulations, designing abatement strategies, aligning with frameworks like OGMP 2.0, MiQ and Veritas, and delivering training to ensure seamless integration across operations.



### Value Proposition:

Highwood accelerates OGMP 2.0 Gold Standard certification—enabling operators to meet commitments, retain access to capital, and ensure access to the European Union market while minimizing risk, cost, and complexity. By automating the end-to-end workflow for reconciled measurement-informed inventories, Highwood replaces cumbersome spreadsheets and ad hoc processes with a streamlined, audit-ready solution that delivers results in minutes, not months.

Highwood EIP reconciles engineering estimates with real-world measurements, flags discrepancies, and quantifies uncertainty—providing operators with the confidence they need to certify compliance and defend their disclosures. Combined with Highwood's expert consulting and training, clients benefit from tailored guidance on regulation, abatement strategies, and voluntary frameworks like MiQ and Veritas. The result: faster decision-making, stronger stakeholder trust, and better returns on emissions-reduction investments.



**HIGHWOOD**  
EMISSIONS MANAGEMENT

## RECENT SUCCESSES

Since its founding, Highwood has rapidly evolved into a global leader in methane intelligence. In June 2023, the company raised a seed round led by Energy Capital Ventures, with participation from Veritec Ventures and Overview Earth. This investment fueled expansion of Highwood's expert consulting team, and by January 2025, Highwood launched EIP--the first turnkey software platform, purpose-built with O&G leader to support OGMP 2.0 Gold Standard compliance. One operator noted: "EIP's reconciliation workflow gives us confidence in our ability to achieve the OGMP 2.0 Gold Standard. By providing credible, auditable workflows, it empowers us to make informed decisions and have greater confidence in our methane emissions."

Clients report that reconciliation workflows that once took months now take minutes, freeing up teams to focus on analysis and accelerating emissions-reduction decisions. On the consulting side, Highwood has supported over ten operators with measurement-informed inventory design, advised on voluntary programs like MiQ and Veritas, and delivered compliance reporting across North America, Europe, and beyond. Its education arm has trained asset teams and regulators on five continents.

Today, backed by early-stage capital and proven impact, Highwood is scaling its software and services across North America, and into Europe, Asia, and Latin America, empowering upstream producers to meet the world's most rigorous methane standards with confidence and clarity.

**PTAC's Contribution to Success:** Highwood has collaborated with PTAC to foster a strong environment for technology development by engaging with end users, government funders, and innovation ecosystem partners. These efforts enhanced market understanding and supported broader technology deployment. Leveraging PTAC's platforms, including domestic events, the Methane Leadership Summit, Digital Innovation Forum, TERE committee, and global conferences like CERAWEEK, and the World Petroleum Congress, Highwood gained valuable exposure to both Canadian producers and international markets. These efforts have been instrumental in de-risking international market development and enabling a level of scale and visibility that the company could not achieve alone. These initiatives also diversify export opportunities beyond the U.S. while reducing financial risk through modest funding support. The outcome contributed to growth in sales and employment despite geopolitical headwinds, with continued expansion anticipated.



"At Highwood, we've built the tools operators need to produce defensible, measurement-informed methane inventories... PTAC's support accelerated our ability to validate the platform with real users, scale deployment, and position Canadian innovation at the forefront of global methane management."

- Jessica Shumlich, CEO

Highwood enables oil & gas companies to accelerate OGMP 2.0 Gold Standard certification and ensure market access.