



EMISSIONX

SUSTAIN WITH **AIQ**

THE CHALLENGE



Directly and indirectly, the oil and gas industry accounts for 42 percent of global emissions (Source: “The future is now: How oil and gas companies can decarbonize”, McKinsey & Co.)

In the effort of improving this, the industry is facing the following challenges:

- Existing decarbonization solutions are very CAPEX-intensive.
- Deployment requires deep insight, planning, and analysis and usually has long timelines
- Fragmentation (factors such as its geography, asset mix (offshore versus onshore, gas versus oil, upstream versus downstream), and local policies and practices (regulations, carbon pricing) can significantly affect options available to combat emissions



THE SOLUTION



AIQ's EMISSIONX Platform is a Machine Learning-driven, predictive analytics platform that helps to monitor, forecast and report GHG emissions information in real-time from direct and indirect emission sources (Scope 1, 2, & 3), at every level of a facility, from sites to plants, and units, down to the granular level of equipment.



SCOPE 1 Emission Source

These are "direct" emissions – those that a company causes by operating the assets that it owns or controls.



SCOPE 2 Emission Source

These are "indirect" emissions created by the production of the energy that an organization buys.



SCOPE 3 Emission Source

These are also indirect emissions – meaning those not produced by the company itself – but they differ from Scope 2 as they cover those produced by customers using the company's products or those produced by suppliers making products that the company uses.

EMISSIONX PROVIDES HIGHLY ACCURATE EMISSIONS INFORMATION

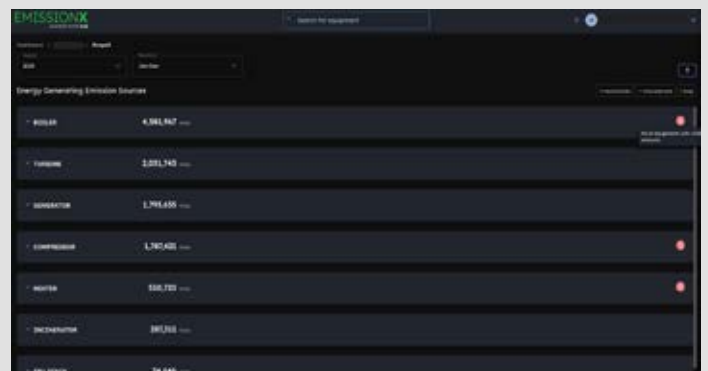
EMISSIONX utilizes emission data that is streamed directly from the source factor of production (oil rig, drilling machine, logistics and services vessel, etc.) to produce up-to-date reporting. The Platform's AI algorithms offer highly reliable monitoring, forecasting, and reporting capabilities, with no additional maintenance or infrastructure requirements.

EMISSIONX leverages operational parameters and business plans to deliver a highly accurate and comprehensive emissions profile. By incorporating these data into advanced AI/ML models, EMISSIONX can forecast emissions up to five years into the future.

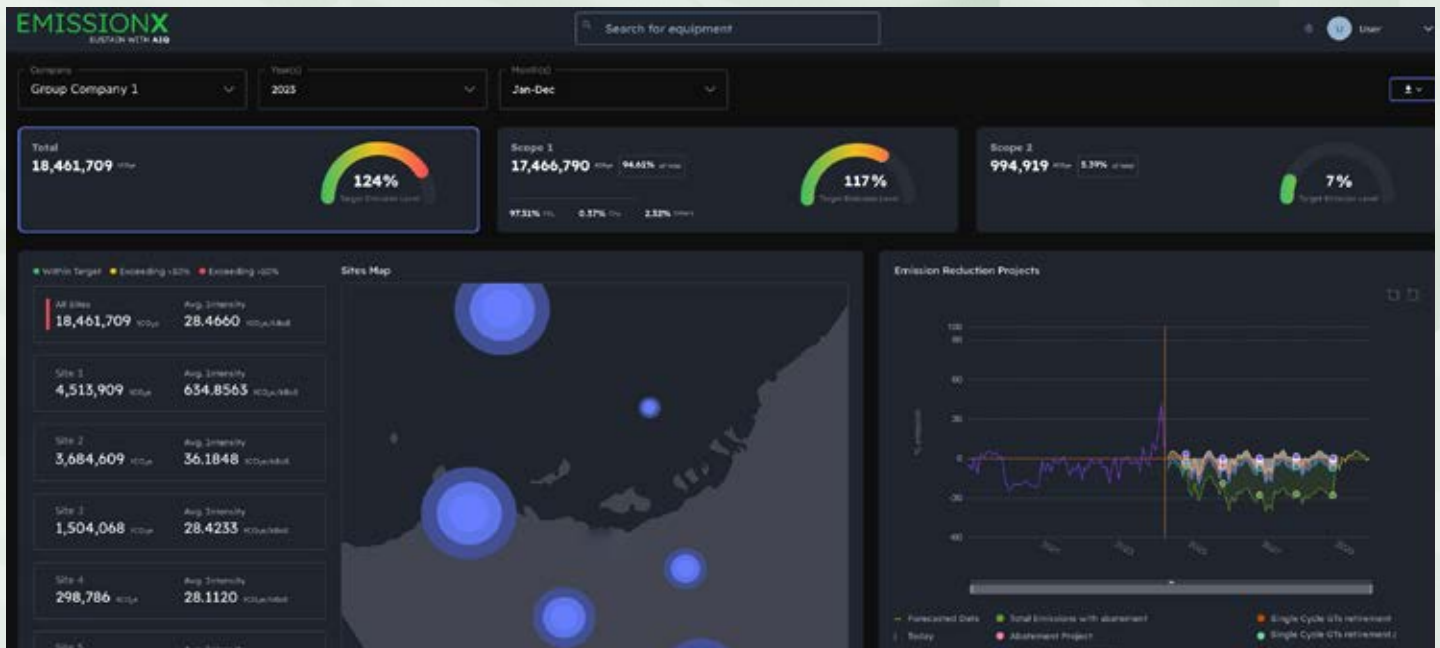
This information may be used to predict GHG emissions using fuel consumption and composition in line with International emissions reporting standards.



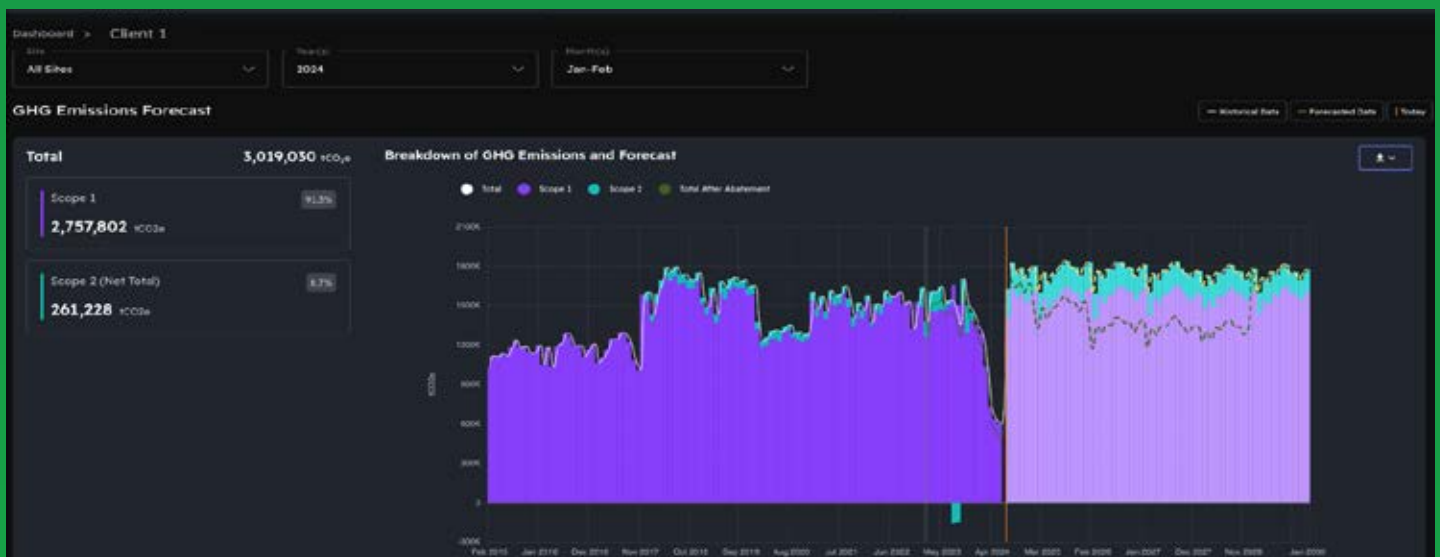
LIVE INTEGRATION WITH DAILY GHG EMISSIONS DATA



THE SOLUTION



- EMISSIONX enables users to track and measure emissions across various sources, providing real-time data monitoring, reporting and forecast.
- Users can analyze the impact of carbon mitigation initiatives, such as energy efficiency projects and renewable energy adoption, with detailed analysis.
- The Platform's insightful dashboard visualization provides users access to emission forecasts from equipment, site, or company over a selected period, by actual tCO₂e or tracked against targets.
- Deep insights into a company's carbon footprint can be generated through the EMISSIONX, highlighting anomalies and providing a preliminary evaluation of emission output, aiding predictive support for carbon abatement initiatives.



VALUE & BENEFITS

EMISSIONX

SUSTAIN WITH **AIQ**



Accurately monitors, reports, and forecasts emissions data from direct and indirect sources, at every level of a facility, from sites to plants, and units, down to the granular level of equipment



Helps to assess the impact of carbon abatement initiatives



Makes carbon reduction efforts more cost effective & impactful



Provides actionable data concerning the actual emissions posture of an organization



Permits direct comparisons of emissions between sites or equipment



Enables the achievement of accurate carbon emission forecasts over a long-time horizon, empowering adaptation and response to changes in carbon life-cycle



DISCLAIMER

This booklet contains numerical data that has been sourced from our esteemed clients. It is important to note that these figures are provided in the context of their respective business operations and have been shared with us for the purpose of this booklet.

Please be aware that client-sourced data can be subject to various factors that may influence its interpretation.

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