



Decarbonizing Upstream Oil and Gas

Tackling Greenhouse Gas Emissions at the Source

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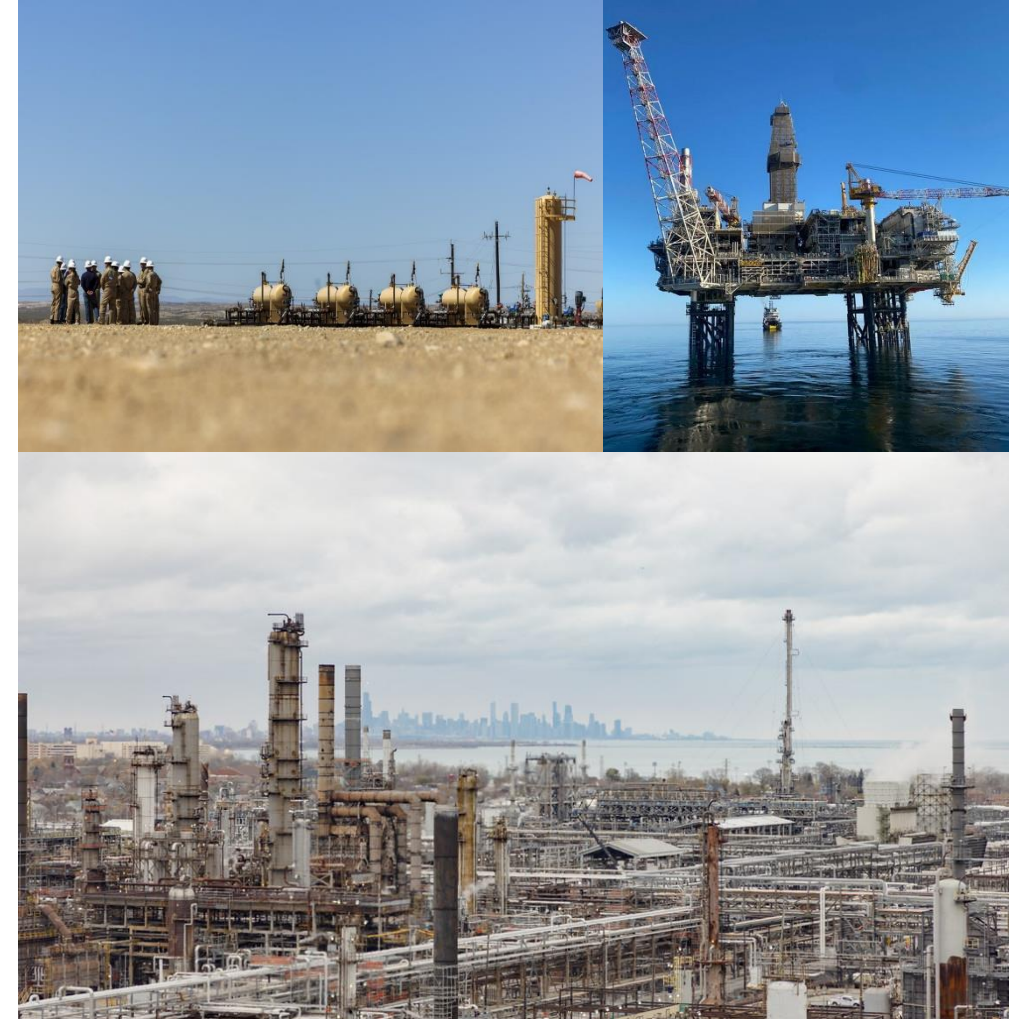
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Tackling Greenhouse Gas Emissions at the Source



Today's session will cover:

1. the **key sources** of greenhouse gas emissions across oil and gas operations
2. the **global legislative landscape** and industry initiatives supporting emissions reduction efforts, and,
3. the approaches that the industry is taking to **decarbonise operations**.

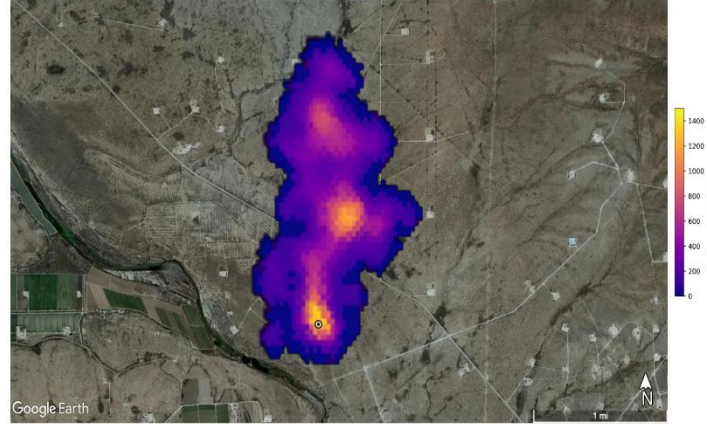


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Key sources of emissions across oil and gas operations



Power Generation



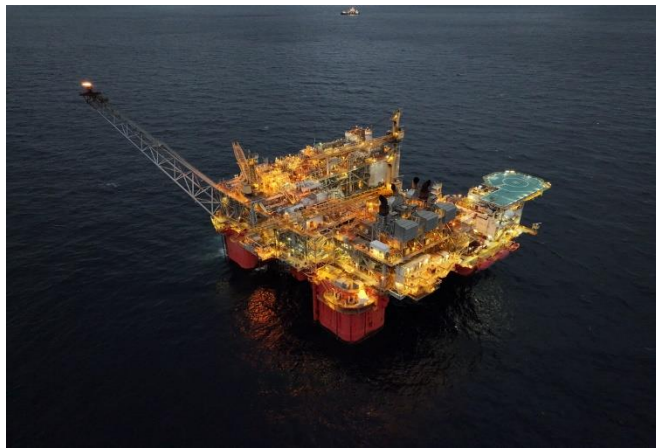
Methane



Processing & Refining



Energy Usage



Flaring & Process Vents



Transportation & Distribution

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Global Legislative Landscape



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Industry Initiatives



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Three elements of carbon reduction in our production operations

Safety comes first

① REDUCING TO
baseline
emissions
- AVOIDING
EMISSIONS
↓ ↓ ↓

② INVESTING in
IMPROVING OUR
Performance
→ MINIMIZING ←
EMISSIONS

③ MAKING
INVESTMENT
in
emission
reduction
TECHNOLOGIES
OR NEW ENERGIES
- MITIGATING
future
EMISSIONS

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Closing remarks



- The world needs secure, affordable and lower carbon energy.
- A comprehensive approach to address Greenhouse Gas emissions is required.
 - Improving extraction technologies,
 - Reducing methane, flaring and venting,
 - Enhancing operational efficiency,
 - Upgrading infrastructure, and
 - Transitioning to lower carbon energy sources
- Tackling emissions at the source, and embedding carbon into operational practices, can lead to a more sustainable energy future.



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Thank you

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