

Case study

Advisory towards OGMP 2.0

Creating a customized roadmap towards the Gold Standard for a major oil and gas producer in the Middle East

When an oil and gas company becomes an OGMP member, the entire organization needs to understand what the requirements are to comply, what the company's ambition is and share the knowledge and enthusiasm to work towards that ambition. Creating a roadmap is therefore ideal. In this case study, we share how such a roadmap was created for an oil and gas major in the Middle East.

Committed to OGMP 2.0

One of the world's major oil and gas producers committed to reducing their methane emissions across their oil and gas value chain and in line with the OGMP 2.0 requirements.

However, to comply with this Reporting Framework, the producer came across several challenges.

Nature and size of operation

Their main challenge was the nature and size of their operation. With over 60 operating assets across their oil and gas value chain from production, gathering, processing, storage, and distribution, they were challenged with:

- identifying and quantifying all methane loss scenarios across their value chain
- verifying and establishing a credible baseline for methane emissions across their 60 assets in a limited time
- identifying best practices and technologies for each type of operating asset to measure, quantify, and reduce methane emissions
- ensuring that the OGMP requirements were clear for everyone across all assets

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Involvement of a third party

As an environmental service provider, we have delivered successful emission reduction projects in the Middle East for almost all oil and gas players, including this producer.

When we performed a Leak Detection And Repair (LDAR) program in 2020 for their gas plants, we started to engage with the client about how to take a holistic approach towards methane emission accounting, quantification, and reduction.

The first discussions about complying with OGMP2.0 started in 2021. More specifically, we shared our experience in different measurement technologies for methane.

These discussions and our expertise in this field eventually led us to being invited to submit a competitive bid to deliver an OGMP2.0 advisory program.

Defining environmental targets and KPI's

During the initial discussions and kickoff meeting, expectations for the project were discussed and the company's ambition and KPI's became clear.

Their ambition was to reach the Gold Standard of reporting in 2 years. By 2025, the OGMP member wanted to reduce their methane intensity by 25% compared to their baseline in 2020.

Setup of the advisory program

After the company's ambition and KPI's were clear, our technical experts set up an advisory program consisting of 4 key phases.

These 4 phases were:

1. collecting emission data and reviewing that data followed by a preliminary workshop with each asset/site
2. performing a desktop assessment of the inventory of sources followed by site visits to check whether this theoretical approach on P&IDs matched the actual situation onsite by choosing different sample locations
3. sharing our preliminary findings and discussing them with the client's contact persons for each asset to get their 'buy-ins'
4. creating a roadmap and assisting the oil and gas operator in getting it approved by their management and by the OGMP committee

While executing the advisory program, our team had weekly interactions with our contact persons for each asset to share the progress and the plans for the weeks ahead.

In other words, we assessed the producer's current emission situation so they could start from a credible baseline for all their assets and asset types.

Having that credible baseline in place is the starting point of any best-in-class methane emission management program. You can then compare data, define emission reduction targets and continue improving your emission performance instead of estimating and modelling.

Expertise about technologies made the difference

According to the OGMP member, our team exceeded the initial expectations that were discussed during the kickoff meeting.

While executing the project, our specialists suggested new requirements and needs, which were addressed accordingly to the client.

In the end, it was the expertise and knowledge about various technologies to measure and account for methane emissions across the oil and gas value chain that left a lasting impression on the client.



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Defining next steps

Creating and rolling out a roadmap for all assets is indeed a first essential step to reach the OGMP2.0 Gold Standard.

As a next step, the oil and gas operator is looking at how to reach OGMP reporting level 5 and combine both bottom-up measurements directly at the source and top-down measurements.

And, more specifically, what the best technologies are to measure methane emissions top-down.

Eventually, after reconciling the emission data from source-based measurements and aerial measurements, the OGMP member will deliver an OGMP2.0 compliant report to their stakeholders and reach the Gold Standard.