

Pseudo Dry Gas

Unlocking Gas Reserves



Access untapped gas reserves

Pseudo Dry Gas (PDG) allows customers to tap into previously inaccessible gas reserves.

PDG is a series of subsea, inline, piggable devices that enable the **economic development of gas discoveries at step-out distances of up to 300 km**, almost double what can be achieved with conventional approaches.

PDG technology removes liquids at the well, leading to single-phase gas flow along the pipeline. The result?

We can eliminate enough pressure loss in the system to enable the development of previously unreachable gas reserves due to their distance from the receiving facility.

Phase segregated flow also results in improved operability.

This technology requires minimal infrastructure such as subsea compression and topside processing. As a result, it reduces operational expenditure (opex) and offers capital expenditure (capex) savings.

The PDG design also helps customers reach their decarbonization goals, contributing to a reduction in CO₂ emissions compared to the current best available technology.

And we do all this **by reducing the need for topside processing or subsea compression.**



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The Benefits



Cost-effective investment

Reduce capex and opex with minimal infrastructure. By eliminating pressure loss, this process also decreases or eliminates monoethylene glycol (MEG) consumption, thereby improving operability.



Investment confidence

Get a greater recovery rate of natural gas enabled by single-phase flow through the pipelines, providing reliability and certainty in investment returns.



Reduce Carbon Intensity

Unlock the potential to decarbonize with a reduction in Scope 1 and Scope 2 carbon emissions, effectively lowering the carbon intensity per unit of hydrocarbon produced.



Site accessibility

Make unmanned, remote sites feasible, and benefit from easy site access without needing a floating liquefied natural gas vessel (FLNG) or platform.



Improve Recovery

By deploying PDG, reserves recovery increases due to the reduction in back-pressure on the reservoir, which in turn can allow for a greater ability to phase wells in the development.



Reduced Infrastructure

Through the increase in tie-back distance, the need for manned platforms can be evaluated and likely removed along with additional equipment both onshore & offshore, i.e. compression, slug catchers, Monoethylene Glycol (MEG) regeneration and storage.



Find out more

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