

Tracerco Diagnostics™ for oil and gas processing

Delivering critical insights to optimise
processes and maximise profits

Oil and gas solutions

Optimising your processes and maximising your profit

Tracerco offers world-leading diagnostic techniques that allow you to make the best decisions about your business. Using innovative technology, we'll help you see inside the heart of your processes, and provide the insights you need to troubleshoot problems, reduce costs, and maximise your profits. With over 60 years' experience, our services have saved companies like yours millions.

Tracerco's insights can help you find solutions to a wide range of issues, such as oil separation, and gas processing problems like dehydration, or CO₂, H₂S, and Hg removal. Our industry professionals provide multi-disciplined and integrated services to troubleshoot your oil, water and gas process engineering and separation quality issues, as well as production chemistry and application systems.

With a holistic approach, we'll help you to identify and resolve field and plant management problems, providing solutions from both a technical and practical perspective.

The key areas where we can support your business:

- Technical troubleshooting and root cause analysis
- Design assurance and verification
- Flow assurance and fluid dynamics
- Process optimisation, control and management
- Life extension of existing equipment



Onsite insights

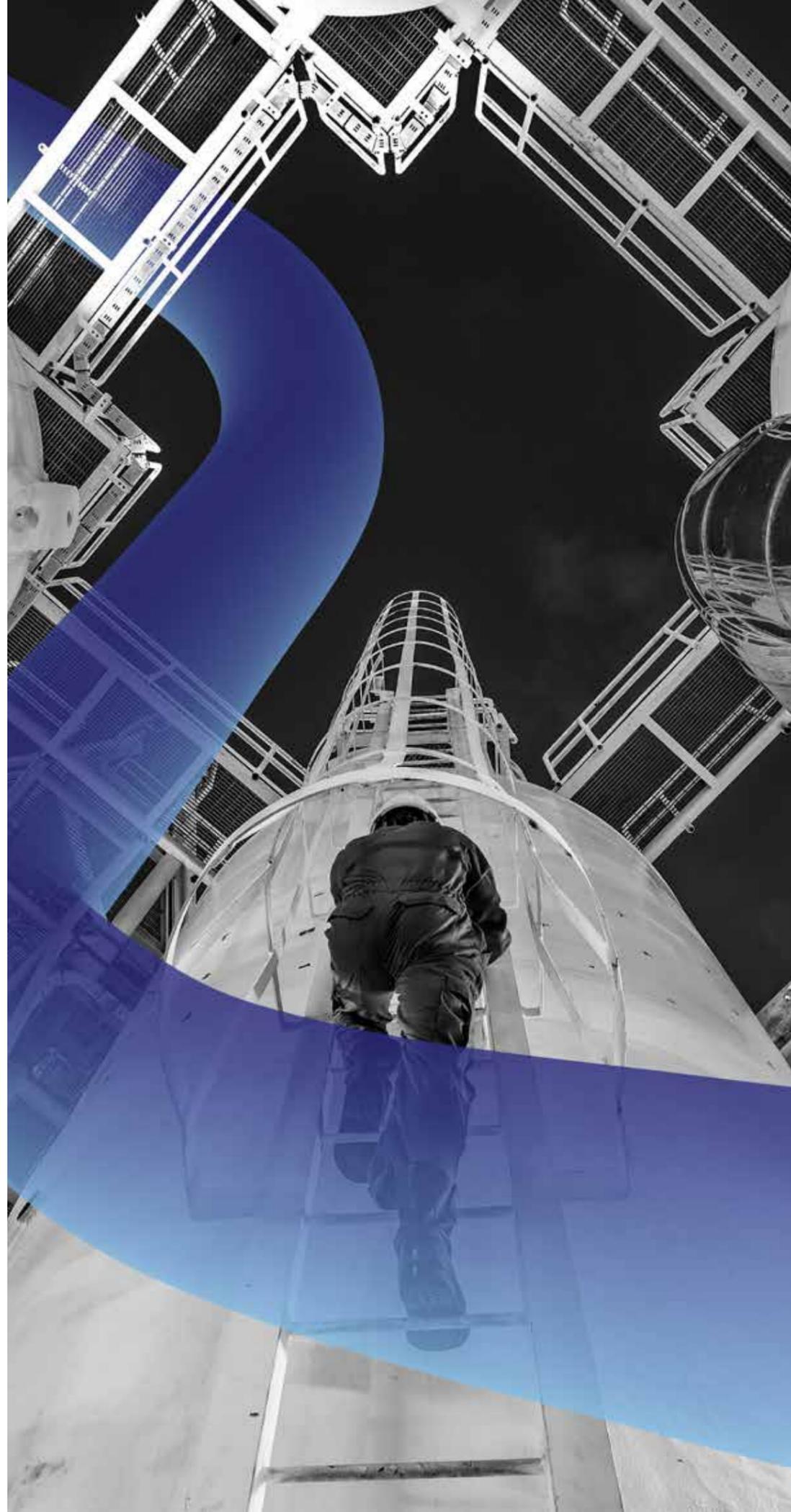
Invaluable insights for process operators

Tracerco provides unique and specialised detection, diagnostic and measurement solutions that will allow you to make better, insight-led decisions. The more you understand your processes, the more you can optimise them.

Our novel inspection techniques, sophisticated tracers and advanced measurement technologies can accurately and rapidly diagnose a wide range of production problems. Work is carried out online by highly trained and experienced Tracerco engineers, requiring minimal site preparation and providing immediate results for you.

Oil and gas processing

Tracerco Diagnostics™ services can be provided at both the hydrocarbon recovery and separation stages. These enable process operators to optimise the performance of separator systems by measuring what is occurring in real time within process vessels and pipelines.



Optimisation studies

Tracerco's unique online services are used during process optimisation studies to maximise production capacity and minimise operating costs. They give immediate real-time measurement of changing process conditions, and provide critical insights during antifoam or demulsifier trials, throughput capacity trials, or when optimising discharges to the environment.

Troubleshooting

Tracerco's services can be rapidly deployed anywhere in the world. They provide immediate onsite results, and identify issues such as mechanical integrity of internals and process problems. Equipped with this data, you will be able to find the correct solution to your production problem quickly and with minimal disruption to operations.

Pre-turnaround Planning

Tracerco's technology helps you understand the mechanical integrity of vessel and pipeline internals while they remain online, prior to a turnaround. These techniques can be deployed rapidly, don't disrupt normal operations, and require little or no vessel preparation. They can identify issues such as mechanical damage, leaks, deposit build-up, maldistribution, oil in water and liquid carryover. This knowledge enables turnarounds to be planned more efficiently, and for the downtime and associated costs to be minimised. Tracerco Diagnostics™ help operators to maximise production throughput, reduce operating costs and minimise environmental impact.

Measuring process conditions online and in real time using non-intrusive Tracerco Diagnostics™

Process behaviour and optimisation

Online, real-time measurement of:

- Foaming and anti-foam effectiveness
- Emulsion quality and demulsifier effectiveness
- Gas/liquid slugging
- Phase behaviour
- Individual phase heights
- Separation efficiency
- Residence times of each phase
- Sand deposits
- Liquid carryover
- Gas carryunder

Cost saving

Measurement and confirmation of:

- Loss of solvents
- Retrofit/upgrade effectiveness and efficiency
- Chemical usage optimisation
- Optimisation of modifications

Environmental

Online, real-time measurement of:

- Oil and water content
- Flare gas flow rates
- CO₂ emissions
- Phase behaviour
- Leakage detection

Internals/hardware

Confirm:

- Integrity of inlet devices, demister pads and baffles
- Optimisation of internals
- Efficiency of internals



Contact Tracerco now and discover how our technologies can provide invaluable insights into your operations.

Measurement Technology Centre
The Moat, Belasis Hall Technology Park,
Billingham, TS23 4ED, UK

Tel: +44 1642 375500

Email: tracerco@tracerco.com

Web: tracerco.com/services/upstream-oil-and-gas-fpsol/

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