



Meet MySep at Gastech, Milan September 5th to 8th 2022

We are pleased to continue our association with the Gastech conference and exhibition. Billed as the heart of the natural gas, LNG, hydrogen, and low-carbon industry, Gastech Milan 2022 returns in-person, for the 1st time since the global pandemic. This year's event coincides with the 50th anniversary of Gastech, and given recent geopolitical disruption, the event has never been more relevant. [Click here](#) for more information on Gastech. If you're attending, be sure to stop by and meet the MySep team: Guy Hellinx, Maaïke van Rij and Andrea Luongo on Stand **11J15**.

Margin Optimisation Programme

Optimising separation systems can readily yield **\$100s of millions** of additional annual revenue and margin.

Since MySep Pte Ltd's formation, our central focus has been development of software products that deliver value for our customers. [MySep Studio](#) and [MySep Engine](#) are founded upon in-house research, proprietary modelling, and correlations. Our engineers have cultivated deep understanding of how sub-optimal operation or poorly designed separation equipment, adversely affects performance and profitability.

Recognising that many customers have limited engineering resources, skills, and experience, we conceived the **MySep Margin Optimisation Programme**. This is a service bringing our expertise and

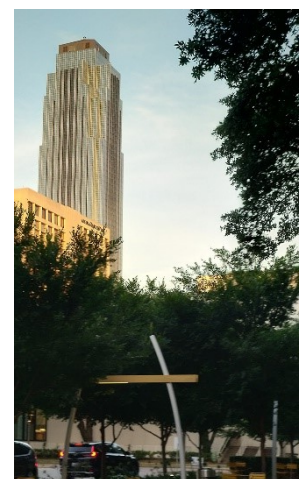
technology to bear, optimising process operations by mitigation of separation constraints, bringing increased production and margin. It can be focused on a single facility or multiple facilities with MySep contracted to meet our customer requirements.

Have a look at MySep's detailed case study, presented at the Oil & Gas Digital Twin Conference 2022, [click here](#). This centres on the value of a production facility simulation-based digital twin, enhanced with MySep Engine rigorous modelling of separators. It shows how the digital twin can help the operator to boost production of oil from 74,000 to 82,000 bbl/day and gas production from 79 to 88 MMSCF/day. On a mid-range facility, such as that featured, an increased annual revenue of over **\$300 million can be realised**.

If you would like to know more about how MySep Margin Optimisation might help your operations, click here to [Contact Us](#).

Houston User Forum

MySep attributes a large measure of its success to trusted, long-term customer relationships. As COVID19 travel restrictions relaxed, little wonder that Houston, capital of Oil and Gas, was the 1st port of call. MySep's Tom Ralston hosted a customer discussion forum on 27th June 2022, with key



by the Galleria, Houston

software users and separation specialists, drawn from leading operators. Represented were:

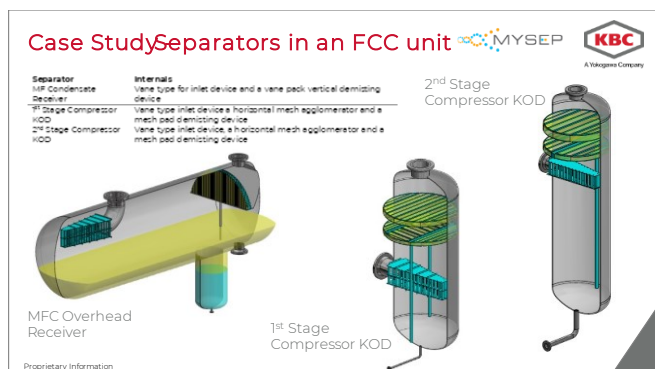
- BP
- Chevron
- Conoco Phillips
- ExxonMobil
- Phillips 66 and
- Western Midstream

Discussions ranged over detailed aspects of MySep modelling and separation representation in process Digital Twins. Naturally there was strong interest around the table in the next major updates to MySep Studio and MySep Engine.

A topic of broad concern was the persistence of unvalidated and ad-hoc methods for separator design in many Engineering Contractors, reflecting the fact that process operators bear the cost of facility under-performance and unplanned shutdowns. There was agreement that wider use of MySep software addresses this, providing a reliable prediction methodology for EPCs and their clients to properly assess vendor performance claims.

Digital Twin Webinar & Whitepaper (free downloads)

Separation processes play a crucial role in the Downstream sector as well as Upstream. There are many critical three-phase and two-phase separation processes in crude distillation, hydrocracking, fluid catalytic cracking (FCC), hydrotreating, to name a few. Optimising these processes raises many challenges, as the sector transitions to bio-derivative feedstocks, and seeks product slates with less transport fuel and more petrochemicals. Increasingly the industry looks to Digital Twins to address the operational complexity.



In a 1-hour Webinar, collaborating with our partner KBC, we showed how the Petro-SIM® simulator, in concert with MySep Engine and with separator

revamps developed in MySep Studio, can drive optimisation. For more details and a link to the recording, [Click here](#).

This event focused on the performance of an FCC, subject to significant process operational changes, with the objective of maximising throughput and profit. Separation performance through the wet gas compression system is critical to this and to avoidance of downtime losses which can average \$1 million per day.

Published in Petroleum Technology Quarterly is a joint KBC-MySep white paper. [Click here to download](#).

Product success

MySep's business goal is to help our customers optimise the performance of their existing facilities and design new facilities with assured performance.



We are pleased to report continued business success, with our products achieving 20% revenue growth in 2021. In the current quarter we've added McDermott, Saipem and TSI Fabrication to license customers.

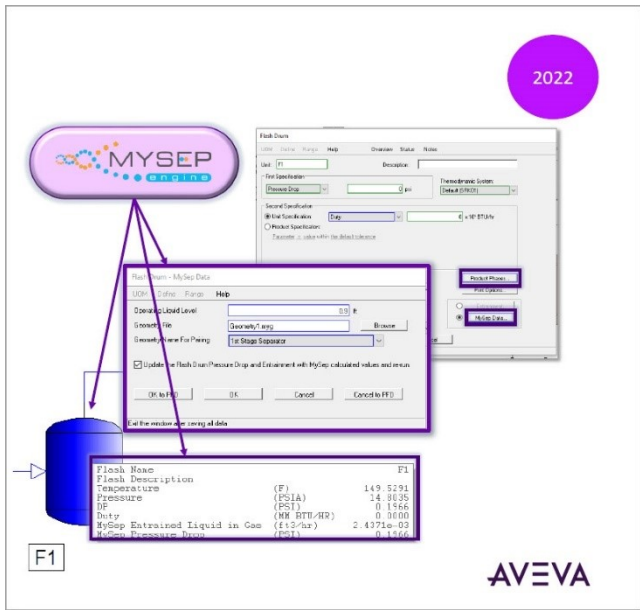
Partnerships of Strength

MySep Pte Ltd was founded by the owners of [Kranji Solutions](#) to focus on Engineering Software Licensing. The company was incorporated in 2013 and has established recognition as the standard software for modelling and design of process phase separators.



MySep products have been adopted by many leading Operators, Engineering Contractors, and Separation Equipment Suppliers across the globe.

MySep also partners with leading industry software technology providers including Schlumberger, KBC, Kongsberg, AVEVA, Honeywell and AspenTech, to allow our customers access to our technology through the simulation platform of their choice.



AVEVA™ PRO/II™ 2022

MySep Studio has offered links to the PRO/II simulator via its native case file for some years. The 2022 release of PRO/II sees embedding of MySep Engine modelling directly within simulations. This major release links MySep Engine with the flowsheet flash drum unit operation, bringing the rigour of MySep gas-liquid separation and pressure drop modelling, to the wide community of PRO/II users. This development facilitates optimisation of existing process operations for separation constrains and brings opportunity for improved overall design optimisation of new processes. For more information on the [PRO/II 2022](#), click the link.



Schlumberger Digital Forum 2022

All around the world Digital adoption is accelerating. By harnessing the power of AI and cloud computing, organizations of all sizes have unlocked new ways to innovate at scale. Astonishing levels of performance improvement are being realised for Oil and Gas operations. Join us, at our partner Schlumberger's Digital Forum, 20-22nd September 2022 Luzern, Switzerland.



Discover key technology that's driving the pace of change in the energy industry, in an event featuring live exhibits of AI, machine learning, and digital solutions. Find out more about the event [here](#).

Simulation-based Digital Twins for Design & Operations

Bringing rigour to on-line or off-line Digital Twins, MySep technology helps leading Oil & Gas operators assure asset performance.

- Upstream, LNG, Midstream and Downstream
- Across the process lifecycle from FEED through Detailed Design to Operations
- Troubleshooting, debottlenecking, and process expansion

www.mysep.com

Copyright © 2019 - 2022 MySep

We hope you find this MySep Updates Newsletter of interest; please share with anyone who may benefit.

If you have any feedback or comments, please contact us at:

www.mysep.com/contact

Or email: tom.ralston@mysep.com