



Gas Processors
Association Europe

*Promoting technical and operational excellence throughout the
European Gas Industry*

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The Hot-Seat

A message from our Chairperson, Gary Bowerbank.

"In case you had not seen it, our latest issue of [In Brief](#) is out and is packed with lots of interesting articles (even if we do say so ourselves) – including a lead article on "Affordable Blue Hydrogen" and a comprehensive overview of the Virtual Event Series from 2020/21. Perhaps will make some nice reading during your summer break.

I imagine many of us will again be taking our vacations a little closer to home. But whether that means you are camping on a wet hillside, exploring that local castle you've been meaning to do for years or if you are lucky enough to escape to the beach; enjoy yourself, recharge, stay safe and have fun. And as always, please do make sure you follow us on [LinkedIn](#) and share our posts so we can connect to as many people as possible."



GPA Europe in 2021 and 2022

Whilst the sun is shining, we're forming our plans for the Autumn and working hard to ensure that our 2022 events will offer a valuable and memorable experience to everyone who wishes to take part in our continuing conversation on collaboration and innovation in the Gas Processing industry. We will communicate the details soon.

As always, we want to hear from you, our GPA Europe members. If you have topics of interest or would like to be involved in our events, please do get in touch with us at admin@gpaeurope.com.

Don't forget to connect with us on [LinkedIn](#), follow us on [Twitter](#) and join us on [Facebook](#).

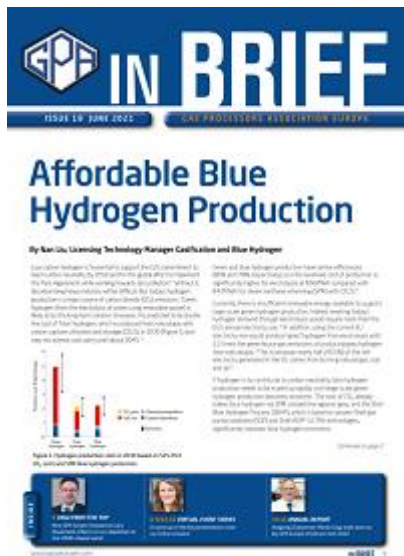
Company Specialist Directory

We are delighted to announce that we are live with our [Company Specialist Directory](#).

The purpose of this area is for our GPA Europe Corporate Member Companies to list themselves and key specialist areas. All GPA Europe Members can access this area by logging into our website, navigate to <https://gpaeurope.com/specialist-directory> and search/filter on specialist area and you will be able to contact their company representative via email or phone.

If you are interested in being listed within our Specialist Directory, please contact us at admin@gpaeurope.com or on +44 (0) 1252 625 542.

In Brief



Check out our latest issue of [In Brief!](#) This issue reports on the GPA Europe Technical Meeting & AGM held in November 2020 and our Virtual Event Series which ran from September 2020 - April 2021.

We have our regular 'View from the Top' by our Chairperson Gary Bowerbank, discussing 'A Virtual World'.

The lead article has been contributed by Nan Liu, Licensing Technology Manager Gasification and Blue Hydrogen, Shell Catalysts & Technologies. The article is titled '**Affordable Blue Hydrogen Production**'.

We also have an update from our Future Energy KSI Groups.

If you would like to contribute towards our November 2021 issue, we have an opportunity to get involved. A chance to promote your name through the industry.

Please contact the GPA E Team for more information - admin@gpaeurope.com

Get Involved

Paper of the Month

This month we are looking back to a paper from Verena Kramer, Linde AG; and Tobias Eckardt, BASF SE. Presented at our Autumn Conference 2019.

["Novel and efficient process to recover valuable by-products from natural gas"](#)

"Natural gas is an important feedstock for energy production worldwide and its relevance is expected to continue to increase in the coming years. In addition to the energy industry, natural gas plays an important role in several industrial processes as utility or chemical feedstock. Natural gas found in wells contains various contaminants and by-products and needs to be conditioned before use. For example, to transport natural gas in pipelines a given water dew point and hydrocarbon dew point must be ensured, for LNG production all condensable components must be removed prior to the cryogenic process. Also, combustion requires the removal of inert components to achieve certain heating values. However, some of these by-products e.g. helium, heavy hydrocarbons, CO₂, etc. are also very valuable. Recovering these by-products from natural gas can represent a major economic benefit. Helium, for example, is a highly valuable component that is used for superconductors and aerospace industry, to name a few. Heavy hydrocarbons serve as basic chemicals in the chemical industry or as liquid fuel. In addition, the separated CO₂ from natural gas can be used for several industrial applications, e.g. enhanced oil recovery.

Linde Engineering recently developed a novel and efficient membrane/PSA (Pressure Swing Adsorption) hybrid process to recover helium with high purities and yields from a gas with small

concentrations of helium without using cryogenic technology. This process requires the removal of hydrocarbons and CO₂ from the natural gas prior to the membrane. BASF has vast experience in removing heavy hydrocarbons from natural gas by temperature swing adsorption (TSA). BASF also has extensive know-how in the removal of CO₂ from gaseous feedstocks using amine-based technology.

Combining the novel membrane/PSA process developed by Linde Engineering and the advanced hydrocarbon and amine solution technology offered by BASF, an efficient, superior, and pioneering hybrid process can be developed to recover several by-products from natural gas in a non-cryogenic way. Using a hydrocarbon recovery unit (HRU) will also increase the performance of the membrane unit by protecting it from the heavy hydrocarbons that are being removed. Significant savings in CAPEX and OPEX can be envisioned along with additional revenue streams from the recovered by-products.

This novel and efficient process represents an elegant and economic path to recover valuable by-products from natural gas without using the energetically demanding cryogenic technology."

[Download the Paper](#)

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We have multiple sponsorship opportunities at our events, as well as advertising within In Brief and our Newsletter - [contact us](#) for more information.



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Gulf Energy Information

Our media partner Gulf Energy Information has just launched a new technical publication, H2Tech, serving engineers and professionals in the hydrogen sector.

If you would like to register for a free trial subscription to the weekly e-newsletter or the quarterly magazine, just click on the graphic below:



If you have news you would like to share with our members, please email us at admin@gpaeurope.com

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