Promoting Technical and Operational Excellence Throughout the European Gas Industry

GPAE 2025 Conference in The Hague, The Netherlands

We are pleased to announce the GPAE Annual Conference will be held Wednesday 4th to Friday 6th June 2025 at The Hague Marriott Hotel, The Hague, The Netherlands.

One of the strengths of GPAE is the large number of people who have been active members of our organisation and the industry for many years – several of whom will be presenting.

Our conference kicks off on Wednesday 4th June with an afternoon Workshop. The Technical Conference starts on Thursday 5th June.

We also have a free dedicated Training Day for our Young Professionals on Wednesday 4th June.

Registration is now open - you can register via the links below. We have an Early-Bird discount available if you register before 31st March 2025.

Register for our Young Professional Training Day

Register for our Annual Conference

For the draft programme and conference details, view our conference brochure.

Interesting in sponsoring or exhibiting? We have several sponsorship packages available and they also include discounted conference passes, click here to find out more.

For our programme and regular updates, please visit our website and/or connect with us on LinkedIn

GPAE Annual Conference 2025

2025 Schedule of Events

** Save the Dates! **

- 17th April, 11.30am-12.30pm UK time: free Technical Webinar
- 4th-6th June 2025: GPAE Annual Conference, The Hague, The Netherlands
- 25th September, 11.30am-12.30pm UK time: free Technical Webinar
- 20th November 2025: GPAE Technical Meeting & AGM, London

Be part of our conferences promoting a new energy future and the transition of our industry towards that future: we are looking for stories about the development of technology and best practices affecting Natural Gas processing. As well as a look at Hydrogen, Biogas, Ammonia, Carbon Capture and Storage, and LNG amongst others, to inspire the gas processing community. Email your abstracts to: admin@gpaeurope.com.

Awards: each year we present an award at our AGM for the best paper. The Best Paper Award is selected by our conference attendees and is based on the feedback scores received.

The Aungier Award is also granted for the best paper presented by one of our Young Professionals at our conferences. The winner is decided by our Technical Committee. Alongside the award, the winner will also

receive £1,500.

Get Involved

The Bi-Annual In Brief Publication

***** We want to get a head start for the Spring/Summer 2025 In Brief, to be published May 2025 *****

If you have any ideas for a lead article, have something to share with the community, or would like to sponsor the next In Brief publication, let us know at admin@gpaeurope.com

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Claude Letourneau, President and CEO of Svante, stands at the company's Centre of Excellence for Carbon Capture & Removal in Vancouver, Canada. The machine behind him is Svante's contactor for point-source industrial carbon capture.

FROM WASTE TO WEALTH:
THE ECONOMIC OPPORTUNITY OF A CARBON MANAGEMENT REVOLUTION

By Svante President and CEO Claude Letourneau

In today's economy, forward-thinking businesses strive to create value from every aspect of their operations – even from byproducts that would traditionally be discarded. Farms transform agricultural waste into compost or animal feed, lumber mills repurpose sawdust into fuel pellets or fiberboard, and construction companies recycle old concrete and asphalt into fresh materials for new projects.

There is one particular byproduct that is both invisible and odourless yet highly impactful: carbon dioxide (CO_2). Human activities release over 36 billion metric tons of CO_2 every year, as reported by the International Energy Agency (IEA).

Natural processes, including forests, plants, and oceans, absorb around half of this total. Still, approximately 18 billion metric tons accumulate in the atmosphere each year, creating a massive environmental challenge. What if, instead of letting this CO_2 remain a waste product, it could be converted into a valuable asset?

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Our Autumn/Winter 2024 issue of In Brief is available - Click here to check it out!

This issue reports on the GPA Europe Annual Conference held in Milan, Italy in September 2024.

The lead article has been contributed by Svante President and CEO, Claude Letourneau, and is titled "From Waste to Wealth: the Economic Opportunity of a Carbon Management Revolution."

Please contact the GPAE Team if you would like to contribute towards our next issue. Opportunities include: contributing towards the lead article, advertising, or giving an update to our members - email admin@gpaeurope.com

Get In Touch

Paper of the Month – January 2025

In this month's Newsletter, we are pleased to announce that the most popular paper of January 2025 was ...

Syngas Conditioning and Decarbonisation: Design, Footprints, Safety and Emissions Criteria from Project Experience

This paper was presented at the GPA Europe 2024 Milan Conference, by Sangeeta Ankam and Syed Hasan, Kent

Net Zero ambition can be realised by sustainable energy transition from fossil fuels to renewables such as Syngas that is derived from scalable Municipal Solid Waste (MSW) gasification units (350 ~ 600 ktpa) to produce sustainable aviation fuel (SAF) or other products.

This presentation defines opportunities for purification, decarbonisation and NOx abatement of Syngas facilities. The Syngas post MSW gasification is cooled via Heat recovery steam generators (HRSG) for further removal of particulates, inorganic species and quenching followed by Compression via steam turbine driver. The Syngas quality is enhanced in Water Shift reactor followed by Acid gases removal using Hydrolysis Reactor and Absorber column employing formulated amine that has higher acid gas loading capacity and mass transfer kinetics to achieve deep removal of both CO2 and H2S that are detrimental to Fischer-Tropsch (FT) Catalyst. The traces of

contaminants are removed in Adsorbent beds prior to conversion of Syngas to Hydrocarbon liquids in FT unit and product upgrading is achieved in Hydrocracking and Fractionation unit to enable SAF production. The acid gas (CO_2/H_2S) is compressed to intermediate pressure for Sulphur removal via redox process and dehydration through adsorbent media. The conditioned CO_2 is fiscally metered and piped for sequestration whereas sulphur cake is disposed of via trucks. The aforementioned Syngas to SAF process enables efficient decarbonisation with inherent safety, minimum footprints, reduced life cycle cost, lower GHG and NOx emissions.

Download the Paper

GPSA Engineering Databook CDs - 14th Edition

We have the **14th Edition** GPSA Engineering Databook in SI format, available as a digital download or in CD format.

The GPSA Engineering Databook is almost 1,000 pages of technical information and is the worldwide authoritative resource for technical and design information.

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