



# ANNUAL REVIEW

# 2020



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# OUR IDENTITY

## VISION AND MISSION

### OUR VISION

**Our vision is that LPG and bioLPG are acknowledged in Europe as the clean, available and innovative alternative energy of choice, that brings great benefits today to all users and will continue to deliver even more value in the future.**

### OUR MISSION

**Our mission is to ensure the EU policy community embrace our vision to establish LPG and bioLPG as the alternative energy of choice supporting the EU policy agenda. We focus our efforts in three core areas:**

- + Demonstrate to European policy makers and stakeholders how LPG can be the clean, available and innovative energy of choice to many energy segments, in particular for residential, commercial, mobility, industrial or leisure purposes;
- + Represent the industry in all relevant policy and regulatory discussions at European level and secure high-quality standards, maximising safety, for the product and its many applications;
- + Channel our collective LPG expertise with various stakeholders from other industries to jointly support the EU in achieving the goals of air quality improvement, decarbonisation, energy resilience, and energy efficiency improvement.

# LOOKING BACK AND AHEAD!

## ESTHER BUSSCHER

**At a time of significant disruption triggered by the pandemic and driven by ambitious EU environmental targets and social change, alternative fuel solutions in road transport, and lower-carbon fuels in heating beyond the gas grid need to be recognised for their local and concrete contributions to a sustainable recovery.**

These solutions were already available and affordable before the COVID-19 crisis hit in 2020. However, last year's exceptional and existential circumstances demonstrated that a resilient energy system is key and that LPG as an essential off grid energy is part of that system. Meanwhile, our sector illustrated its ability to adapt quickly and act responsibly locally.

During the lockdowns, the distribution of LPG played a vital role – particularly off the gas grid and in rural communities for European citizens, local businesses, and SMEs – in ensuring essential services were maintained. Apart from enabling people to work from home safely, remotely and comfortably, LPG and bioLPG have also been an essential source of energy for a wide range of crucial sectors such as hospitals, healthcare facilities, care homes, agriculture, food processing, metered distributed systems, and key manufacturing industries.

Against this background, a majority of EU member states have rightly considered LPG distribution as an essential service, and the employees in charge of those deliveries as key workers. With the health and safety of our customers and staff as a top priority, our companies strived to keep supplying energy to the consumers and citizens who needed it most, thanks to robust precautionary measures and a committed and professional workforce.

Liquid Gas Europe in conjunction with the global sector played a major role in coordinating the European LPG response to the crisis, and in supporting members to adapt to new national safety measures. To this regard, alongside our association, the national LPG associations have been disseminating guiding principles, defined in close collaboration with public health authorities. Furthermore, our members were adhering to national guidelines in order to mitigate risk when responding to serve customers and to ensure the safety of their employees.

Whilst addressing the day-to-day challenges out in the field, our sector did not lose sight of its role in a responsible energy future. Our dedicated online policy conference at the end of last year focused on 'What Energy Solutions for a Green Future?'. Keeping it real and tangible, together with various active stakeholders from the EU institutions, energy sector, energy users, and national actors. Addressing sustainable yet practical heating solutions beyond the gas grid, and reiterating the immediate potential for alternative fuels in a post-pandemic world.

**We look forward to continue this important dialogue with EU stakeholders and policymakers in order to make a just and inclusive energy transition a reality for all.**

## SAMUEL MAUBANC

**Life can really be ironic sometimes.**

As the European economy has been partially put to a standstill in 2020, due to the COVID pandemic, Liquid Gas Europe has probably delivered its busiest and most successful year ever. While many organisations were paralysed by the scale and depth of this crisis, the team has rolled up their sleeves in no time, and embraced with courage and creativity some of the toughest questions an association can face. Among those questions, one was absolutely key: how can we keep delivering value to our members, and use this crisis to get even better at fulfilling our advocacy mission at EU level?

Personally, I am just amazed by the determination and the skills that the team has shown in delivering all the crazy ideas that we came up with in this exciting internal brainstorm: a by-weekly COVID LPG update praised by many as the most comprehensive in the industry, 4 great webinars in spring, 1 successful online policy conference in December, several rounds of meetings with senior Commissioners' cabinets, the completion of a first of its kind study on potential European bioLPG volumes, a string of joint op-eds and position papers with key partners such as Eurogas, COGEN Europe, European Biogas Association, European Heating industries, ACEA, European Biodiesel Board, ePURE, Solar Heat Europe, UPEI, and many others.

The truth is that this rather long list is in fact only a partial selection of what this great team has delivered, despite going through an amazingly challenging year at personal and professional levels. I also cannot help flagging that all those achievements were delivered by a staff of 5 FTEs, while associations 2 or 3 times our size would certainly already be proud of such a performance.

This annual review is the last one I am signing off as General Manager, as I will be leaving the association soon. After 10 years of a fantastic journey with AEGPL-Liquid Gas Europe, I cannot be prouder to hand back the association's keys on such a final track record.

**A million thanks to my amazing colleagues for being who they are, and to the members for their support all these years. Take care.**



# MANAGEMENT COMMITTEE

**ELECTED ON MAY 2019** TO SUPPORT THE DAILY FUNCTIONING  
OF THE ASSOCIATION FOR THE NEXT TWO YEARS.



## ESTHER BUSSCHER

PRESIDENT OF  
LIQUID GAS EUROPE  
SHV ENERGY



## MARIA MALMKVIST

ENERGIGAS SVERIGE  
VICE PRESIDENT  
OF LIQUID GAS EUROPE



## SILVIA MIGLIORINI

ASSOGASLIQUIDI/FEDERCHIMICA  
TREASURER OF LIQUID  
GAS EUROPE



## NEIL MURPHY

UGI INTERNATIONAL



## NATACHA CAMBRIELS

DCC - BUTAGAZ

**THE MANAGEMENT COMMITTEE IS COMPOSED OF 3 TO 5 MEMBERS  
REPRESENTED AT LEAST BY THE PRESIDENT, THE VICE PRESIDENT,  
THE TREASURER AND WHEN POSSIBLE BY THE PAST PRESIDENT.**

IT COORDINATES THE ACTIONS APPROVED BY THE STEERING  
COMMITTEE AND IMPLEMENTED BY THE GENERAL MANAGER.  
IT PREPARES THE 3-YEAR STRATEGIC PLAN AND ASSOCIATED  
BUDGETS FOR APPROVAL BY THE STEERING COMMITTEE.

# ORGANISATION STRUCTURE 2020



# LIQUID GAS EUROPE

## COORDINATION GROUPS



### EU POLICY

- + Energy Efficiency Working Group + Renewable LPG Advocacy Working Group
- + Energy Taxation Directive Working Group

Liquid Gas Europe's Policy Coordination Group, made up of policy experts from amongst Liquid Gas Europe's members, comprises working groups on specific legislative dossiers. The working groups operate together by frequent conference calls and occasional in-person meetings to enhance the understanding of potential impacts of legislation, and ensure our message to the European institutions and national governments is as consistent as possible. The coordination group is managed from Brussels by the Liquid Gas Europe secretariat.



### TECHNICAL

- + Transport RID/ADR/ADN Working Group + Blevé Prevention Working Group
- + Incidents-Accidents reporting and learning
- + Liquid Gas Europe incidents/accidents Working Group
- + LPG truck of the future + LPG product quality

Liquid Gas Europe's technical coordination group, managed by Liquid Gas Europe's technical manager, consists of technical experts from its members. It is responsible for steering Liquid Gas Europe's technical work. It formulates responses to emerging technical and HSE legislation and it devises strategies for appropriate enforcement of relevant laws at national level and eradication of unsafe and unfair practices. It meets four times a year, with additional ad hoc net meetings, conference calls and additional task force activities organised as needed. Liquid Gas Europe's technical manager is shared with the World LPG Association, bringing in synergies between the European LPG sector and the rest of the world.



### AUTOGAS

The Autogas coordination group covers policy, communications and technical issues that are of specific relevance to the use of LPG as transport fuel. To ensure synergies and optimal use of staff and members expertise, two-way communication channels are established with the other two Coordination Groups and the Communications League for issues that may be of shared interest. This group allows the interested members to participate in discussions, such as the long-term development and protection of Autogas markets, how to best position Autogas in transport & fuel policy, and modernising the brand Autogas.



# LPG

## THE SMART ALTERNATIVE, EVERYWHERE YOU NEED IT

### WHAT IS LPG?

**LPG IS AN IMMEDIATELY AVAILABLE LOW CARBON ALTERNATIVE.**  
INDEED, IT EMITS 35% LESS CO<sub>2</sub> THAN COAL AND 12% LESS THAN OIL.

### WHY IS LPG A SOLUTION FOR TODAY AND FOR THE FUTURE?



#### CLEAN

LPG has low particle emissions, low NO<sub>x</sub> emissions, and low sulphur content meaning that it does not pollute the air as much as many other energy sources.



#### AVAILABLE

LPG is available right now in quantities that can serve the energy needs of millions of citizens across Europe and the world.



#### SECURE

Due to its dual origins and the fact that it's easily transportable, LPG offers a secure alternative to other energy sources which are part of a grid system. Not only is LPG produced in Europe in large quantities, but it can be imported from anywhere.



#### LOWER CARBON

LPG is a low carbon alternative to conventional fossil fuels. Its combustion emits 33% less carbon-dioxide than coal and 15% less than heating oil. It also emits almost no black carbon, arguably the second biggest contributor to global warming.



#### EFFICIENT

Gaseous fuels such as LPG offer inherently high efficiency, an advantage that has been greatly enhanced by the emergence of performance-optimising technology such as condensing boilers and renewable/LPG hybrid systems.

### WHAT IS LPG USED FOR?

**LPG CAN BE USED IN SEVERAL DIFFERENT SECTORS, SUCH AS DOMESTIC, COMMERCIAL, INDUSTRIAL, AGRICULTURAL AND FOR TRANSPORTATION.**

WHEREVER HEAT, LIGHT OR POWER IS REQUIRED, LPG CAN OFFER ITS BENEFITS TO BOTH END-USERS AND SOCIETY AS A WHOLE.



- **RESIDENTIAL: HEATING & COOKING**
- **COMMERCIAL**
- **INDUSTRIAL**
- **TRANSPORT**
- **AGRICULTURE**

# LPG Today In Europe

## LPG is a co-product of...



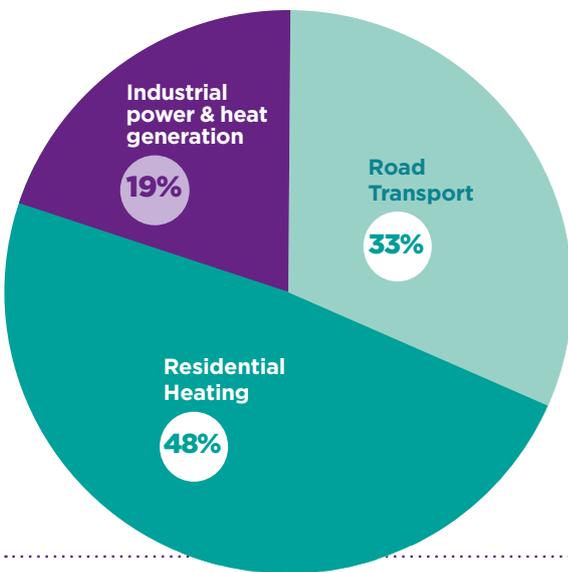
and thus resource efficient by its very nature

# 60%

of all LPG produced globally derives from natural gas extraction



## Energy-users of LPG



**IT IS A HIGHLY VERSATILE ENERGY SOURCE IMPORTANT APPLICATIONS IN THE HOME, IN INDUSTRY, IN ROAD TRANSPORT AND AGRICULTURE.**

Currently, LPG covers the heating needs of more than 20 million EU citizens and 700,000 businesses, predominantly in areas where the natural gas network is not available.

Autogas (LPG as transport fuel) fuels a current fleet of over 15 million vehicles and a network of 47,000 stations across Europe.

## THE EUROPEAN LPG INDUSTRY IN 2019 FIGURES

- LPG consumption in Europe showed marginal growth over 2018, at 1.5% increase.
- Autogas overall consumption in 2019 increased by 3%, totalling 10.9 mn t, around 300,000 mn t more than in 2018.
- In Spain, investments in infrastructure have resulted in steady increases by 39% in Autogas consumption.
- Germany is the biggest LPG consumer in the EU, demand reaching 3,9mn t in 2019. It is followed by France, Italy and the Netherlands. All those countries report an increase in consumption compared to 2018.
- In Belgium, the total consumption of LPG increased slightly from 2.3 to 2.4mn t from 2018 to 2019, driven by demand in the petrochemical sector, which showed a significant growth.
- Cyprus has one of the smallest LPG markets in Europe. However, for the first time in the past decade LPG demand has exceeded 60,000t, mainly driven by the residential sector.
- In Denmark, LPG consumption has been stable since 2010, in contrast to the declining trend in total primary energy consumption and demand for fossil fuels.

# WHAT WILL THE FUTURE LOOK LIKE? BIOLPG

**The ambition of the European Union is to be climate neutral by 2050. The European LPG industry is committed to support this ambitious goal.**

## What is bioLPG?

BioLPG<sup>1</sup> is the commonly used term to describe any molecules of propane and butane<sup>2</sup> produced from biological sources or renewable electricity and CO<sub>2</sub>.

*1 In some European markets bioLPG is better known as biopropane*

*2 BioLPG might also contain molecules of isobutane, propene, and butenes*



## Why is LPG a solution for today and for the future?



### WITH THE RIGHT VOLUMES, SWITCH TO BIOLPG COULD HAPPEN OVERNIGHT

**BioLPG is a direct renewable replacement of conventional LPG, making it a drop-in gaseous, liquified fuel.** Therefore, it can be used pure or blended in the very same applications ranging from vehicles to boilers. This means that when available in sufficient volumes all users of LPG appliances can seamlessly switch to bioLPG.



### COST-EFFICIENT SOLUTION TO RENEWABLE ENERGY UPTAKE

**The growing availability of bioLPG means that today's investments in LPG supply chain and appliances are future-proof as they can operate on bioLPG without any additional upgrading costs.** Switching to bioLPG saves households and businesses the budget and hassle from changing to appliances or vehicles now running on conventional LPG.



### FLEXIBLE PARTNER WITH RENEWABLE TECHNOLOGIES AND HYBRID SYSTEMS

**In rural areas, there is a greater role for bioLPG as a gaseous fuel for gas-powered heating combined with renewable thermal systems, for cogeneration, fuel cells and hybrid systems (an electric heat pump with an LPG boiler, for cold days). Hybrid heating systems are the enabler for affordable renewable residential heating and an improvement in the overall energy efficiency in Europe. Further, Autogas-electric hybrids offer bigger environmental benefits than petrol hybrid systems.**



### DECARBONISATION AND BETTER AIR QUALITY WITH BIOLPG

**BioLPG is a renewable solution that can provide up to 80% emissions reduction compared to conventional LPG.** However, these GHG savings are expected to increase when production processes will move towards further use of waste or cellulosic materials as feedstocks. With the same molecular structure, bioLPG is a clean-burning fuel that produces very low concentrations of particulate matter and NO<sub>x</sub>.

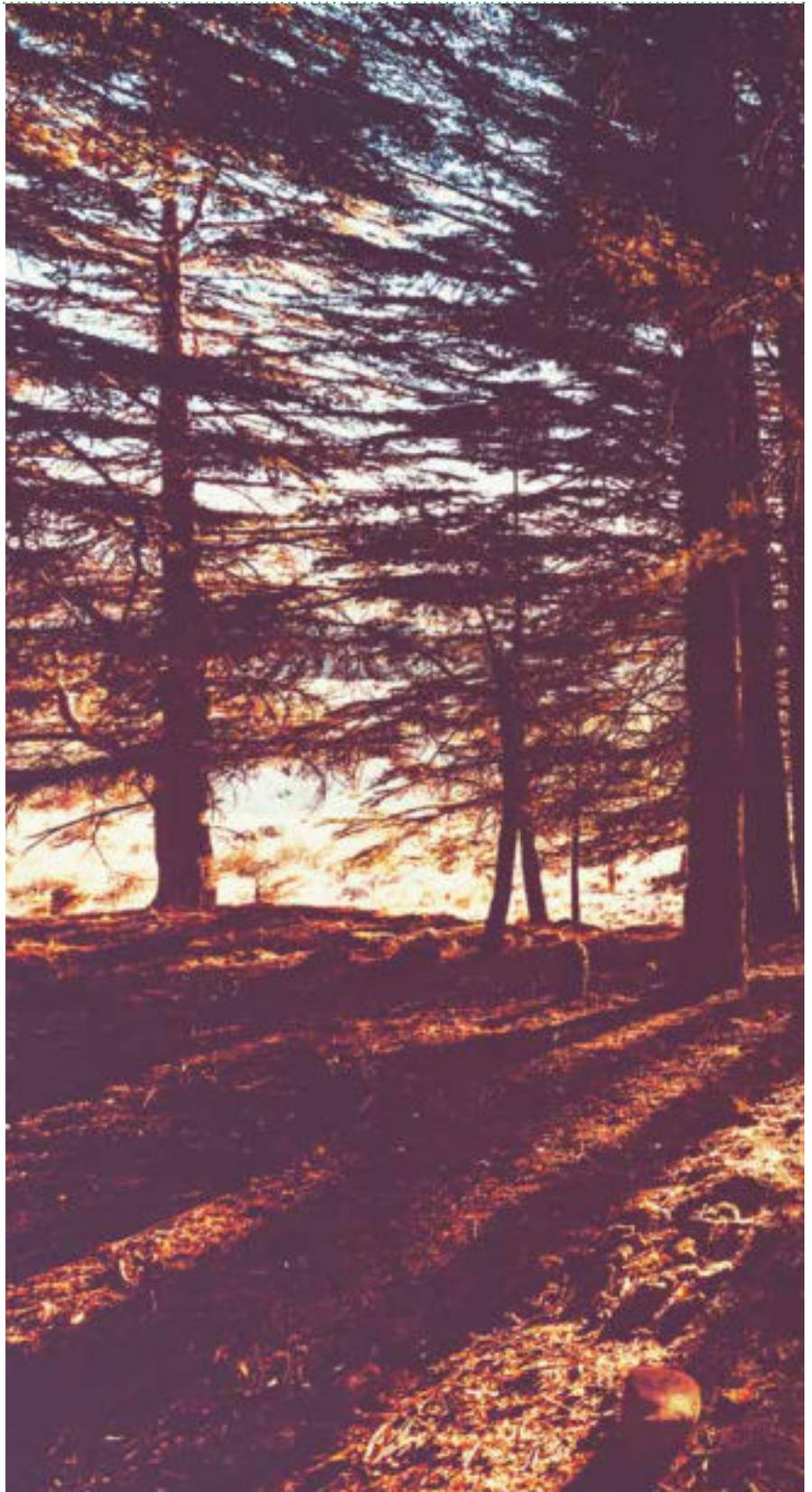
**TODAY LPG AND BIOLPG ARE ONE OF THE FEW COST-EFFECTIVE SOLUTIONS IMMEDIATELY AVAILABLE TO DECARBONISE AND LOWER POLLUTANT EMISSIONS FROM OFF-GRID HEATING IN HOMES, LOCAL BUSINESSES AND INDUSTRIES, TRANSPORT AS WELL AS FROM STOVES AND BBQS.**

# Our Work ON BIOLPG



While the Liquid Gas Europe working group on bioLPG advocacy has been running since June 2016, this work stream has been largely reinvigorated in 2020, in the light of the **EU Green Deal** and the **upcoming Renewable Energy Directive due in June 2021**.

This focus also came as a follow-up to the strategic advocacy workshop with members conducted in September 2019, where **bioLPG** was unanimously considered as a key opportunity for the European industry.



**In addition to developing a Q&A document on bioLPG for external audiences, a key task for the association has been to update and expand our “Introduction to bioLPG” brochure, which was our reference document for briefing policy makers since 2016.**

THERE WERE THREE MAJOR ADDITIONS THAT LIQUID GAS EUROPE WANTED TO MAKE TO THIS DOCUMENT:

- 1) to relay the European LPG industry’s pledge to be 100% renewably sourced in 2050**
- 2) to provide more detailed projections of the potential output from 4 key renewable LPG production processes in the coming decades**
- 3) to deliver a list of specific policy asks that we consider indispensable for the industry to be able to deliver on our pledge. To strengthen our credibility in this area, Liquid Gas Europe hired Atlantic Consulting to develop bioLPG potential projections for the European market.**

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This work culminated in Q4 with the finalisation of the Liquid Gas Europe 2050 bioLPG pathway report, which was reviewed with a selection of experts from key stakeholders like the European Commission, Eurogas, European Biogas Association, European Heating Industries association, Fuels Europe, and Florence School of Regulation. A preview of the main findings from 2050 bioLPG pathway was also shared at the Liquid Gas Europe online policy conference in December.

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Across the year, Liquid Gas Europe worked closely with key members and bioLPG experts from across the world, through weekly participation in the WLPGA rLPG core team, which is coordinated by Nikos Xydas. This strategic extension of prior collaboration between the two associations around bioLPG also materialised in May 2020 in an **application for EU-funding around the FillinGreen project**, which was aimed at promoting the plasma technology for bioLPG production.

The application, presented by Liquid Gas Europe, but prepared together with WLPGA, was unfortunately not selected by the European Commission. The next step in the Liquid Gas Europe-WLPGA collaboration consists in co-funding an economic analysis of the potential uptake of bioLPG from HVO, due for release in May 2021.

# THE EUROPEAN LPG INDUSTRY FACING THE COVID-19 PANDEMIC

## THE EUROPEAN LPG INDUSTRY NAVIGATED UNCHARTED TERRITORY DURING THE COVID-19 PANDEMIC

### LIQUID GAS EUROPE STATEMENT ON COVID-19

The LPG distribution plays a vital role in ensuring essential services are maintained off the gas grid for the benefit of European citizens, rural communities and their economy.



## INFORMATION HUB & COVID-19 IMPACT REPORT

### MARCH

**Liquid Gas Europe kept its members abreast of the latest policy and market developments at the local and EU level during the COVID-19 pandemic.**

We created a dedicated publicly available site with a collection of statements from our member associations and companies, gathering and disseminating information about actions taken by national governments in response to the evolving coronavirus situation that directly impacted the LPG value chain.

### Why did LGE develop a Covid-19 impact report?

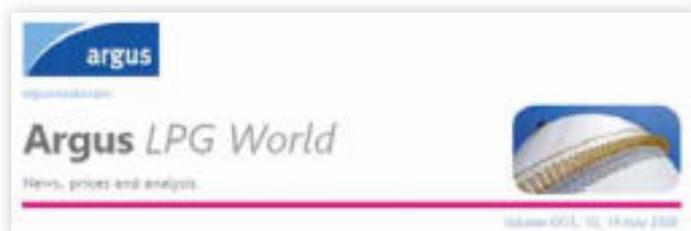
The report is a collaborative and operational tool we set up when the lockdown and social distancing measures were introduced across Europe. Based on initial experience from our members on the ground — including the way they were dealing with local authorities — we could identify trends and best practices emerging that other members could learn from. Liquid Gas Europe had a key role to play in supporting our members in navigating these challenging times. This report has become a critical knowledge hub for the European LPG industry, feeding into the global information that the WLPGA [World LPG Association] is co-ordinating.



# LIQUID GAS EUROPE IN ARGUS LPG WORLD

## MAY

Samuel Maubanc was interviewed by Argus regarding the COVID-19 impact report and the challenges facing the European LPG industry.



## HIGHLIGHTS FROM THE ARTICLE...

How is the European LPG industry faring in the current climate?

"I think the industry has displayed an impressive ability to adapt to these challenging times. Our companies should be praised for their agility and resilience. It is evident from the feedback from our members that the business impact very much depends on the sector.

Demand has been most seriously impacted in the autogas segment, owing to restrictions on movement in several key LPG markets. Demand in the commercial and industrial sectors has also suffered from the economic slowdown. But other segments have not necessarily been affected to the same extent, for instance agriculture. And demand in the residential sector has grown in some countries year on year for cylinders and bulk, with people confined to home." - **Samuel Mubanc**

How will the LPG industry seek to position itself in a post-pandemic world?

"Clearly, the pandemic will result in dramatic societal and policy changes. It is hard to predict what the post-pandemic world will look like, but some trends are already emerging. One relates to the connection that a lot of policy makers and key stakeholders are establishing between the economic recovery and climate or environmental policies. A key opportunity for LPG is that this political environment brings back air quality, and its impact on public health, to the centre of the debate. We want this to translate into a number of EU policy initiatives such as the zero-pollution strategy, the revision of the energy taxation directive, or the building renovation wave.

We also expect the energy policy debate to put more emphasis on affordability, which we can turn to our advantage in front of other competing solutions such as electric vehicles or heat pumps.

Decarbonisation will also remain high on the political agenda. Part of our future success will rely on our ability to connect our short-term benefits with a clearly defined pathway towards more renewable LPG." - **Samuel Maubanc**

# THE EUROPEAN CONTEXT DURING THE COVID-19 PANDEMIC

## THE EUROPEAN LPG INDUSTRY NAVIGATED UNCHARTED TERRITORY DURING THE COVID-19 PANDEMIC

### OP-EDS ON THE LPG INDUSTRY'S ROLE IN THE ECONOMIC RECOVERY

Op-eds with Eurogas and COGEN have been published in *The Parliament Magazine*, as a part of Liquid Gas Europe's post-COVID advocacy campaign on the role of the LPG industry in the European economic recovery.

#### Digging deep to build high

Liquid Gas Europe and Eurogas explain how gas can support European ambitions for a clean energy future.



Photo credit: Liquid Gas Europe

1 min

**1** "We want to build high then, we must dig deep," says one Mongolian proverb. But what does this mean for Europe as we embark on a 'renovation wave' in the wake of the COVID-19 pandemic?

European Commissioner for Energy Kadri Simson announced at the European Parliament's Industry, Research and Energy Committee last month that the renovation wave will be deployed upon to spur economic recovery and energy improvements.

#### AFFORDABLE DECARBONISATION OF RURAL BUSINESSES AND INDUSTRIES

BY MALGOSIA RYBAK  
AND FRANÇOIS PAQUET

**As Europe plans for a green recovery from the Coronavirus pandemic,** we must make sure that rural areas are not left behind in the energy transition.

#### DIGGING DEEP TO BUILD HIGH

BY SAMUEL MAUBANC  
AND JAMES WATSON

**Liquid Gas Europe and Eurogas** explain how gas can support European ambitions for a clean energy future.

#### Affordable decarbonisation of rural businesses and industries

As Europe plans for a green recovery from the Coronavirus pandemic, we must make sure that rural areas are not left behind in the energy transition, write Malgosia Rybak and François Paquet.



Photo credit: Liquid Gas Europe

1 min

**A** Affordable decarbonisation of rural businesses and industries  
Thousands of businesses in rural areas have been badly affected by the COVID-19 lockdowns, and could face further hardship as a result of the upcoming recession. Many of these businesses need large amounts of space and process heat, such as hospitality or tourism facilities, food processing industries, or

## RELAUNCH OF THE 250 MILLION #AUTOGASOPPORTUNITIES CAMPAIGN

JUNE

The relaunch of the 250 Million **#AutogasOpportunities** campaign was supported by a promoted Twitter campaign, leveraging the on-line discussion around COVID-19 lockdowns and associated air quality improvements.

### OPPORTUNITY

COVID-19 provides a unique occasion to link clean transportation fuels to improved air quality and its associated health benefits. Further, the financial implications of the crisis offer an opportunity to highlight our key messages of affordability, low pollutant emissions, and the ability to address the polluting car park.

### OBJECTIVE

The campaign aimed to raise awareness on Autogas and redirect the focus of air quality on the existing passenger car fleet as an unaddressed issue in Europe.

### KEY MESSAGES

- Air pollution is a public health issue
- Autogas can make a difference immediately
- Affordability is key in a time of economic recession



## ONCE MORE, OUR POSITIONS AND KEY MESSAGES WERE IN THE MEDIA

OCTOBER

### WHY AUTOGAS COULD HELP US ALL BREATHE MORE EASILY

Filipa Rio, Sustainable Mobility Director, explained that there is an affordable, readily available cleaner fuel in Autogas that can help maintain improved air quality post-lockdowns.

### HIGHLIGHT FORM THE ARTICLE

Autogas is a solution that is ready and waiting to improve the sustainability of mobility. With an established refuelling network, lower fuel costs, and environmental benefits. It offers convenience for customers while reducing CO<sub>2</sub>, NO<sub>x</sub>, and particulate emissions.

There are already many Autogas car models offered by automakers, and fuel systems can be easily retrofitted to LPG on existing vehicles. With over one billion passenger cars on the road today with a life span of up to 16 years or more, converting the existing fleet to Autogas would have an immediate and direct impact on emission levels.

**Overall, the readiness and ease of Autogas offers a quick win for governments in the fight to reduce pollution in our cities, improve the health of their citizens, and help protect our environment.**



# LIQUID GAS EUROPE WENT DIGITAL IN 2021!

## ONLINE POLICY CONFERENCE

WHAT ENERGY SOLUTIONS FOR A GREEN FUTURE?  
LET'S KEEP IT REAL 1 DECEMBER



**At a time of significant disruption driven by ambitious EU environmental targets and social change, alternative fuel solutions in road transport, and lower-carbon fuels in heating beyond the gas grid are a low hanging fruit.** These solutions are indeed already available and affordable in a time of economic recession. This high-level conference brought together over 200 EU policy makers and stakeholders for a frank discussion on affordable and innovative solutions for the energy transition and a green recovery in the EU.

### SESSION 1: SUSTAINABLE HEATING SOLUTIONS BEYOND THE GAS GRID

**To reach climate neutrality by 2050, Europe must make the best use of all available technologies to decarbonise the economy.** There is no time to lose as future-proof solutions must be quickly deployed. Today the European heating and cooling sector represents about 27% of the EU carbon emissions. European rural areas face specific challenges on their pathway to reduce carbon and air pollutant emissions. Homes, businesses and industries not connected to the gas grid are forced to rely on high-polluting energy sources, such as heating oil and coal. Often due to limited means, their choice of flexible and affordable energy sources is quite limited. **So how can European policy champion a cost-effective switch to sustainable heat generation?**

#### SPEAKERS .....



+ Iskra Mihaylova,  
Member of the  
European Parliament



+ Emmanuelle Causse,  
General Secretary,  
International Union  
of Property Owners



+ Sophia Haywood,  
Director of Public  
Affairs, Liquid Gas UK



+ Irene di Padua,  
Policy Officer, Solar  
Heat Europe

## SESSION 2: ALTERNATIVE FUELS IN A POST COVID-WORLD

Since the COVID-19 crisis and subsequent lockdowns, many cities around the world experienced a marked improvement in urban air quality, but with easing restrictions, air pollution is now rebounding. And alongside the continued public health crisis, we are now facing an economic recession. Emissions reductions need acceleration, but with the EU economy forecasted to contract by 8.3% in 2020, the ability of countries and companies to invest more resources in ambitious schemes could slow. Further, consumers may also not have the means to invest in new technologies. In fact, automakers are forecasting a 25% drop in car sales this year. To quickly reduce emissions in road transport, one practical approach is to encourage a higher use of cleaner, alternative fuels that can easily penetrate the market and are compatible with current ICE technology, which will continue to play a significant role in the coming decades.

### SPEAKERS



+ **Antonio Tricas**,  
Policy Officer, Unit for  
Sustainable & Intelligent  
Transport, DG MOVE



+ **Giovanni Perrell**,  
Senior Energy  
Advisor at the Energy  
Directorate, Italian  
Ministry of Economic  
Development



+ **Philippe Prevel**,  
Vice President of  
Alternative Fuels  
Projects, Groupe  
Renault



+ **Estibaliz Pombo  
Bares**, Alternative  
Energies Business  
Development Manager,  
Repsol

### SPONSORS



## ENERGY SOLUTIONS FOR A GREEN FUTURE

### SOME KEY TAKEAWAYS TO CHEW OVER

Our moderator **Katrina Sichel** reported in the EU affairs press online Policy Conference. (left)

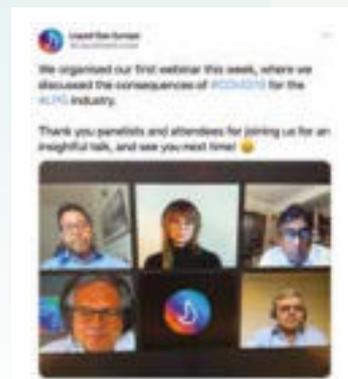
# LIQUID GAS EUROPE WENT DIGITAL IN 2021!

## WEBINAR - LIQUID GAS EUROPE COVID-19 WEBINAR

**MODERATOR: NIKOS XYDAS**

**Right after the outbreak of the covid-19 pandemic, we organised our first webinar to discuss the consequences of covid-19 for the LPG Industry.**

It focused on the coordination of the industry in resolving urgent regulatory issues and identified further improvement actions. This predominantly-internal event paved the way for the “LPG Forward” webinar series, which was aimed at external advocacy and awareness raising.



## WEBINAR SERIES - LPG FORWARD

**Our webinar series LPG Forward addressed the fast-paced developments in the energy sector, and the role that LPG can play today and in the future.**

### SESSION 1

**LPG FORWARD: ENERGY IN AN ERA OF DISRUPTION(S) 23 JUNE**

**MODERATOR: SAMUEL MAUBANC**

Despite the uncertainty around the post-COVID phase and the impact of the recession, the energy transition keeps accelerating in Europe as the EU and national governments commit to carbon neutrality by 2050. In parallel, other market disruptions are also affecting energy distributors, such as the need to become energy efficiency advisors, the risk of some fossil-based heating solutions being banned, or the growing importance of digitalisation. **How can the energy sector, and the LPG industry in particular, adapt to these challenges?** This exchange of views brought together a wide range of perspectives, from the LPG industry to policymakers and other key market players.



### SPEAKERS



**+ Iskra Mihaylova,**  
Member of  
the European  
Parliament



**+ Cedric Caudron,**  
Innovation R&D  
Director UGI  
International



**+ Federica Sabbati,**  
Secretary General  
European Heating  
Industry



**+ Catherine Hannon,**  
Public Affairs and  
Sustainability Manager  
Calor Gas Ireland



## SESSION 2:

### LPG FORWARD: THE CONSUMER'S PERSPECTIVE 30 JUNE

**MODERATOR: MALGOSIA RYBAK**

**Customers' habits are changing, and it is increasingly important for the LPG industry to adapt business models so that they take the consumer into account. Cost, convenience and reliability are the keywords for customers.** Using digital technologies to make life easier can be a great way to keep clients happy and to broaden your reach. This session explored how the LPG industry can adopt new technologies to become user-friendly and more attractive.

#### SPEAKERS



+ **Ricardo Colpo**,  
New Business  
Director Ultragas



+ **Amanda Murray**,  
Corporate Affairs  
& Innovation Marketing  
Manager Flogas



+ **Cédric Morel**  
Managing Director  
Sensile



## SESSION 3:

### LPG FORWARD: LPG APPLICATIONS FOR TODAY

**AND TOMORROW 3 JULY**

**MODERATOR: NIKOS XYDAS**

**Which are the LPG Applications of today that can take the industry into the decarbonised world of tomorrow?** What are the new ones to look at and what innovation should the industry be supporting to develop further? This session focused on some of the most promising ones and how these fit in an electrified, renewable and hybrid future.

#### SPEAKERS



+ **Jeremy Harrison**,  
Principal Analyst  
Delta EE



+ **Rubens Basaglia**,  
Project Manager X-Tech  
R&P S.A.



+ **Matthias Boltze**  
Managing Director  
Sunfire Fuel Cells GmbH



# LIQUID GAS EUROPE

## ACTIVITIES



### JANUARY 2020

**Joint Declaration on Alternative Fuels signed by Liquid Gas Europe, ACEA, UPEI, EBB, and ePURE**



### JANUARY 2020

**EEF briefing for the MEP advisors and assistants in the European Parliament**

Liquid Gas Europe presented at a briefing for the MEP advisors and assistants “All you always wanted to know on gas”. Liquid Gas Europe presented the LPG industry and the end-users of our product in all sectors: transport, heating and industry.



### JANUARY 2020

**Brussels Motor Show, launching the Declaration on Alternative Fuels**

With **Filipa Rio**, Sustainable Mobility Manager, **Charlotte Nørlund-Matthiessen**, Policy Assistant in the cabinet of Transport Commissioner **Adina Vălean** And **Tom Feys**, Chairman Autogas Commission, FeBuPro



### JANUARY 2020

**Liquid Gas Europe joined GasNaturally**  
**GasNaturally is a communication platform gathering the gas value chain.**

The membership has provided a great support to Liquid Gas Europe to raise awareness of LPG benefits in areas off the gas grid.



## FEBRUARY 2020

### Meeting with the cabinet of the Commissioner for Economy

Esther Busscher, President of Liquid Gas Europe, and Samuel Maubanc, General Manager, met with Aliénor Margerit, Member of Commissioner for Economy Paolo Gentiloni's cabinet. The meeting focused on the presentation of the LPG industry and its contribution to the European Green Deal, while discussing the next steps for the revision of the Energy Taxation Directive.

## FEBRUARY 2020

### RID/ADR Agreement, International Carriage of Dangerous Goods

Meeting on improvement of dangerous goods carriage accidents reporting

## FEBRUARY 2020

### Liquid Gas Europe attended the Alternative Fuels Forum Plenary meeting



## FEBRUARY 2020

### ISO TC/58 SC4 Plenary meeting, Gas Cylinders Operational Requirements.

The association was represented again in 2020 in the ISO TC/58 Gas Cylinders standardisation activities, that covered also all the key subcommittees, SC2 Gas Cylinder Fittings, SC3 Gas Cylinder Design and SC4 Gas Cylinders Operational Requirements.



# LIQUID GAS EUROPE

## ACTIVITIES



### MARCH 2020

**PED meeting Working Group  
Pressure, Brussels**



### APRIL 2019

**LIQUID GAS EUROPE  
IN EURACTIV**

Stakeholders call for a 'reality check' on EU road transport and energy policy

Stakeholders call for 'reality check' on EU road transport and energy policy



### APRIL 2019

**Meeting with the cabinet of  
Executive Vice-President  
Timmermans**

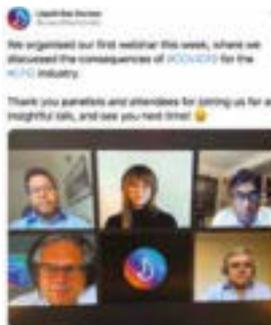
Liquid Gas Europe met with Aleksandra Tomczak, a member of the cabinet of Executive Vice-President for Green Deal, responsible, among others, for Just Transition regions, implementation of the Just Transition Fund and energy poverty. The discussion focused on the LPG potential for the decarbonisation of rural heating and improving air quality beyond the gas grid.



### APRIL 2020

**Liquid Gas Europe  
went online!**

Liquid Gas Europe  
COVID-19 Webinar



### MAY 2020

**Fillingreen - BioLPG European  
consortium project.**

Together with WLPGA, we engaged in 2020 with a consortium of 11 other stakeholders, in an EU funding request for a project aiming to develop further the process of converting agricultural biogas, biomethane, to biomethanol and bioLPG using plasma technology.



## MAY 2020

### #BeyondtheGasGrid case studies

Liquid Gas Europe started promoting on social media case studies highlighting the benefits of switching from heating oil and coal to LPG, both in residential and industrial sectors, as well as findings from the WLPGA report on the role of LPG and bioLPG in the decarbonisation of the rural industries in the context of the post-COVID19 economic recovery.




## JUNE 2020

### Letter to European Commissioners on smart sector integration in buildings

Liquid Gas Europe, together with a coalition of stakeholders, including EHI and COGEN, has addressed a letter to the European Commission's Executive Vice-President Timmermans, Commissioner Breton, and Commissioner Simson on smart sector integration in buildings and the role renewable and decarbonised gases, including bioLPG, can play in the context of the EU economic recovery plan.



## JULY 2020

### Liquid Gas Europe's meetings with the European Commission

Liquid Gas Europe met with policy officers from DG Energy working on the upcoming Renovation Wave initiative and the revision of the Renewable Energy Directive.

In the meetings, the role of LPG and bioLPG was discussed.



## MAY 2020

### CEN TC 286 yearly plenary meeting

CEN TC 286 is the Liquid Gas Europe sponsored LPG dedicated Technical Committee producing LPG standards

# LIQUID GAS EUROPE

## ACTIVITIES



### JULY 2020

Ms. Filipa Rio presented at the third edition of the ANFIA and SAE International Conference – CO<sub>2</sub> Reduction in Transport Systems



### OCTOBER 2020

**Joint Position on existing alternative fuels in the Sustainable & Smart Mobility Strategy**

Alternative Fuels are essential to delivering the Green Deal



### JULY 2020 (& DECEMBER)

**UN - ECOSOC Transport of Dangerous Goods meeting, Geneva**

The association was represented again in 2020 at UN ECOSOC within the work on the UN Model Regulations, in the Sub-Committee of Experts on the Transport of Dangerous Goods

### SEPTEMBER 2020

Joint Meeting of the RID/ADR Committee of Experts, Transport of Dangerous Goods, Geneva



### OCTOBER 2020

- ISO TC/58 SC2 Plenary meeting, Gas Cylinders, Fittings
- ISO TC/58 SC3 Plenary meeting, Gas Cylinders, Design





## OCTOBER 2020

### Solar Heat Europe and Liquid Gas Europe joint paper on the decarbonisation of heat

Solar Heat Europe and Liquid Gas Europe launched a joint paper positioning LPG condensing boilers, which can seamlessly switch to bioLPG, paired with solar thermal collectors or other renewable heating and cooling applications, as a solution for decarbonising heat in rural Europe.



## OCTOBER 2020

### Liquid Gas Europe and 57 CEOs and associations call for enhancing gas contribution to decarbonisation

58 CEOs and associations representing the European gas sector have sent a letter calling on the EU institutions to ensure that all EU financial mechanisms recognise gas as an indispensable part of the energy transition towards a carbon-neutral economy in 2050.



## NOVEMBER 2020

### Joint Letter on the Inclusion of Fuels in Mobility Legislation (39 signatories).



## OCTOBER 2020

### EHI, European Heating Industry, and Liquid Gas Europe joint workshop

EHI, the association of the European heating industry, and Liquid Gas Europe organised a joint workshop to discuss the potential of bioLPG for the heating sector.



## NOVEMBER 2020

### Gas industry workshop on the Primary Energy Factor

Liquid Gas Europe participated in a workshop organised by Marcogaz, Technical Association of the European Natural Gas Industry, on the revision of the Energy Efficiency Directive and the Primary Energy Factor (PEF).

# KEY MEETINGS

## IN 2020



### EEF BRIEFING FOR THE MEP ADVISORS AND ASSISTANTS IN THE EUROPEAN PARLIAMENT

30 JANUARY

Liquid Gas Europe presented at a briefing for the MEP advisors and assistants “All you always wanted to know on gas”. Liquid Gas Europe presented the LPG industry and the end-users of our product in all sectors: transport, heating and industry. Beside Samuel Maubanc participating as a panelist, a sample LPG composite cylinder also appeared as a guest.



International  
Organization for  
Standardization

### ISO TC/58 SC4 PLENARY MEETING, GAS CYLINDERS OPERATIONAL REQUIREMENTS

### ISO TC/58 SC2 PLENARY MEETING, GAS CYLINDERS, FITTINGS

### ISO TC/58 SC3 PLENARY MEETING, GAS CYLINDERS, DESIGN

FEBRUARY & OCTOBER

### ISO STANDARDISATION, GAS CYLINDERS

The association was represented again in 2020 in the ISO TC/58 Gas Cylinders standardisation activities, that covered

also all the key subcommittees, SC2 Gas Cylinder Fittings, SC3 Gas Cylinder Design and SC4 Gas Cylinders Operational Requirements.

In 2020 all meetings that took place in February and in October were conducted on-line which allowed a higher level of participation and contribution.

### RID/ADR, IMPROVEMENT OF ACCIDENTS REPORTS MEETING

17-19 FEBRUARY,  
PARIS





## CEN TC286 PLENARY MEETING

MAY

### Technical Committee CEN TC 286

**Liquid Gas Europe sponsors the LPG dedicated Technical Committee CEN TC 286 “Liquefied Petroleum Gas Equipment and Accessories.”**

The committee is responsible for standardization of LPG pressure equipment and their accessories, covering design, manufacture, inspection, testing and operational requirements, in line with the essential requirements of relevant EU Directives.

The work of TC 286 is of paramount importance in terms of safety and costs to the LPG business. Liquid Gas Europe’s Technical Manager ensures effective guidance to the committee in the best interest of the members of the association. The 2020 plenary meeting of the committee took place the 16th of May via zoom due to COVID.

**The committee issued in 2020 the following standards:**

- **EN 13175:2019+A1:2020 LPG equipment and accessories**

Specification and testing for Liquefied Petroleum Gas (LPG) pressure vessel valves and fittings

- **EN 1440:2016+A2:2020 LPG equipment and accessories**

Transportable refillable traditional welded and brazed steel Liquefied Petroleum Gas (LPG) cylinders - Periodic inspection

- **EN 16728:2016+A2:2020 LPG equipment and accessories**

Transportable refillable LPG cylinders other than traditional welded and brazed steel cylinders - Periodic inspection

- **EN 13953:2020 LPG equipment and accessories**

Pressure relief valves for transportable refillable cylinders for Liquefied Petroleum Gas (LPG)

- **EN 12493:2020 LPG equipment and accessories**

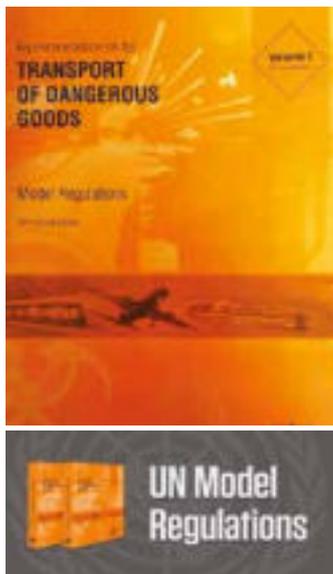
Welded steel pressure vessels for LPG road tankers - Design and manufacture

- **EN 12542:2020 LPG equipment and accessories**

Static welded steel cylindrical pressure vessels, serially produced for the storage of Liquefied Petroleum Gas (LPG) having a volume not greater than 13 m<sup>3</sup> - Design and manufacture

# KEY MEETINGS

## IN 2020



### UN - ECOSOC TRANSPORT OF DANGEROUS GOODS MEETING, GENEVA

JULY AND DECEMBER

**THE ASSOCIATION WAS REPRESENTED AGAIN IN 2020 AT UN ECOSOC WITHIN THE WORK ON THE UN MODEL REGULATIONS, IN THE SUB-COMMITTEE OF EXPERTS ON THE TRANSPORT OF DANGEROUS GOODS.**

In the hybrid virtual/physical meetings that took place in Geneva, the key focus was on the years long cylinders and trucks labels and placards change proposals. The work of the association, in coordination with WLPGA and other industry associations was fully successful, resulting to the avoidance of unnecessary changes on some two billion cylinders worldwide with significant impact on the industry.



### UNECE RID/ADR JOINT MEETING OF THE COMMITTEE OF EXPERTS, TRANSPORT OF DANGEROUS GOODS, GENEVA

SEPTEMBER

**UNECE RID/ADR JOINT MEETING**

**DIRECTIVE ON THE INLAND TRANSPORT OF DANGEROUS GOODS & AGREEMENT CONCERNING THEIR CARRIAGE BY ROAD (ADR) AND RAIN (RID). TRANSPORT IS A KEY ACTIVITY IN THE LPG INDUSTRY WITH SIGNIFICANT SAFETY AND COST IMPLICATIONS AND THIS DIRECTIVE IS ONE OF THE MOST IMPORTANT SAFETY PILLARS.**

The ADR Agreement ensures that the industry transports its products in bulk and cylinders safely and efficiently across the LPG distribution chain. Liquid Gas Europe contributes to the legislative process through its presence in the UNECE RID/ADR Joint Meetings, WP.15 meetings and related Working Groups. Through the development of LPG standards in CEN TC 286 and their referencing in ADR, Liquid Gas Europe ensures that new technologies, new knowledge and best practices are fully reflected in the directive.

- BLEVE PREVENTION
- LPG STANDARDS IN REGULATIONS
- EXPERTISE SHARING IN THE WIDER INDUSTRY

**Geneva UNECE RID/ADR Joint Meeting hybrid-digital**



## MEETING WITH MR. DANIEL MES, MEMBER OF CABINET OF EC VICE-PRESIDENT TIMMERMANS ON TRANSPORT

NOVEMBER

AS PART OF THE MOBILITY FOR PROSPERITY IN EUROPE (MPE) PLATFORM, LIQUID GAS EUROPE PARTICIPATED IN A MEETING WITH TIMMERMANS'S CABINET MEMBER RESPONSIBLE FOR TRANSPORT.

Discussion items included the Mobility Strategy, CO2 standards and retrofits for the existing fleet.



## ACG MEETING WITH RENAULT ON EURO7

DECEMBER

THE ACG MET WITH RENAULT FUELS EXPERTS TO DISCUSS UPCOMING EURO 7 POLLUTANT EMISSION STANDARDS.

Renault presented key points from a recent CLOVE proposal and requested various actions, including support for EN 589 revision to increase minimum propane content to 30% in May 2022.



## MEETING WITH THE PORTUGUESE PERMANENT REPRESENTATION TO THE EU RESPONSIBLE FOR AFID

DECEMBER

LIQUID GAS EUROPE MET WITH THE PORTUGUESE COUNCIL PRESIDENCY REPRESENTATIVE RESPONSIBLE FOR AFID TO INTRODUCE OUR INDUSTRY AND RELAY OUR POSITION ON THE UPCOMING REVISION.

# EU PUBLIC CONSULTATIONS THAT HAVE BEEN ANSWERED IN 2020

MAY

## STRATEGY ON SMART SECTOR INTEGRATION

Liquid Gas Europe submitted a feedback on preparing a future EU strategy on energy sector integration.

The objective was to strengthen the links across different sectors in the European energy system, and to use every opportunity to reduce emissions.



JUNE

## LIQUID GAS EUROPE'S FEEDBACK ON THE RENOVATION WAVE INITIATIVE

The initiative is one of the flagship projects of the EU Green Deal and the Recovery Plan.



JUNE

## ALTERNATIVE FUELS INFRASTRUCTURE DIRECTIVE

The Autogas Coordination Group submitted a response to the Open Public Consultation on the AFID evaluation and upcoming revision



SEPTEMBER

## CONSULTATIONS ON THE ROADMAPS FOR THE REVISION OF THE RENEWABLE ENERGY DIRECTIVE AND THE REVIEW OF THE ENERGY EFFICIENCY DIRECTIVE



SEPTEMBER

**SUSTAINABLE AND SMART MOBILITY STRATEGY**



OCTOBER

**LIQUID GAS EUROPE'S RESPONSE TO THE OPEN PUBLIC CONSULTATION ON THE ENERGY TAXATION DIRECTIVE**



OCTOBER

**LIQUID GAS EUROPE'S FEEDBACK ON THE UPCOMING EU ACTION PLAN FOR ZERO POLLUTION EUROPE**



NOVEMBER

**CO<sub>2</sub> STANDARDS FOR PASSENGER CARS AND LIGHT-DUTY VANS THE AUTOGAS**

Autogas Coordination Group submitted feedback on the Inception Impact Assessment/Roadmap for the revision of CO<sub>2</sub> standards.



DECEMBER

**ALTERNATIVE FUELS INFRASTRUCTURE DIRECTIVE**

Liquid Gas Europe submitted a stakeholder survey and conducted a phone interview with Ricardo, the consultancy retained by the Commission to evaluate the implementation of the 2014 AFID and the feasibility of potential new measures for the upcoming revision.



# LATEST PUBLICATIONS



## BEYOND THE GAS GRID: RESIDENTIAL AND INDUSTRIAL CASE STUDIES

Sweden, Poland, Spain, Italy, Germany, United Kingdom case studies come from a study commissioned to Ecuity Consulting.

Switching from a coal or oil boiler to an LPG appliance reduces CO<sub>2</sub> emissions. Additionally, LPG produces virtually no Particulate Matter (PM) compared to oil and coal. From 2030 onward, we assume renewable bioLPG replaces conventional LPG, for an even lower carbon footprint than conventional LPG.



## AUTOGAS INCENTIVE POLICIES 2020 UPDATE

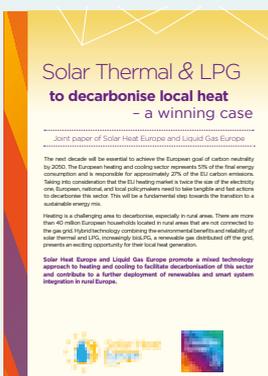
A country-by-country analysis of why and how governments encourage Autogas and what works, This study seeks to explain why governments encourage switching to Autogas and how they go about doing so based on an in-depth survey of many of the world's largest Autogas markets. It assesses what types of policies are most effective and why..



## Q&A ON BIOLPG

BioLPG is a potential game changer showing the industry's investments in new products and its commitment to sustainability.

Our Q&A aims at sharing the most important information on bioLPG, while raising awareness on its main benefits.



## SOLAR HEAT AND LPG: A PERFECT MATCH TO DECARBONISE LOCAL HEAT

Solar Heat Europe and Liquid Gas Europe publish joint policy recommendations for reducing the carbon footprint of local heat. The associations promote a mixed technology approach to heating and cooling to facilitate decarbonisation of this sector and to contribute to further deployment of renewables and smart system integration in rural Europe.

# COLLABORATION & PARTNERSHIPS



## EUROGAS AND GAS NATURALLY

**GasNaturally is a partnership of eight associations from across the whole gas value chain.** GasNaturally's mission is to highlight how, by using gas, we can make a clean future real. With addressing the climate change challenge featuring high on the global agenda, GasNaturally takes the lead role in demonstrating how the gas industry stands ready to help Europe reach its 2030 climate and energy objectives, and its commitments under the Paris Agreement.



## ART FUELS

**Liquid Gas Europe is a member of the Alternative Fuels Forum (ARTFuels), a platform financed by the European Commission,** bringing together selected representatives to understand the needs of the Alternative and Renewable Transport Fuels.



## EUROPEAN ENERGY FORUM (EEF)

**Liquid Gas Europe is a member of the European Energy Forum, which offers a meeting place between MEPs, private and public stakeholders.** It is key for all energy stakeholders to achieve an overall understanding of energy, climate, and transport-related topics.



## EUROPEAN ALTERNATIVE FUELS OBSERVATORY (EAFO)

**We are a member of the European Alternative Fuels Observatory (EAFO),** a EU-funded platform aiming at promoting the uptake of alternative transport fuels, as mandated in the DAFI, and informing consumers about the network of refuelling stations and alternative fuel vehicles available in Europe.



## MOBILITY FOR PROSPERITY IN EUROPE (MPE)

**Mobility For Prosperity in Europe is a Brussels-based association founded in 2005 by former Member of European Parliament Ari Vatanen.** MPE gathers transport stakeholders such as associations



## SUSTAINABLE MOBILITY EUROPEAN PLATFORM (SMEP)

**The Sustainable Mobility European Platform is a multi-stakeholders and multi-sector informal discussion group gathering companies, associations, non-profit organisations and EU decision-makers.** It aims at catalysing efforts towards an enabling European policy, legislative and regulatory framework to achieve sustainable mobility and ultimately Europe's climate and environmental objectives

A landscape photograph of a tea plantation on rolling hills. The tea bushes are arranged in neat, terraced rows. In the background, there are mountains and a body of water under a blue sky with scattered white clouds. A large green rectangular box is overlaid on the upper portion of the image, containing the title text in white.

# LIQUID GAS EUROPE

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# 2020

# LIQUID GAS EUROPE

## MEMBERS 2020

### National Associations

#### AUSTRIA

Österreichischer Verband  
für Flüssiggas (ÖVFG)  
[www.fluessiggas.eu/der-oevfg](http://www.fluessiggas.eu/der-oevfg)



#### BELGIUM AND LUXEMBOURG

Federatie Butaan Propan/Federation  
Butane Propane (FeBuPro)  
[www.febupro.be](http://www.febupro.be)



#### CZECH REPUBLIC

Česká asociace LPG (CALPG)  
[www.calpg.cz](http://www.calpg.cz)



#### DENMARK

Drivkraft Danmark  
[www.drivkraftdanmark.dk](http://www.drivkraftdanmark.dk)



#### FRANCE FORMER



France Gaz Liquides  
[www.francegazliquides.fr](http://www.francegazliquides.fr)



#### GERMANY

Deutscher Verband Flüssiggas (DVFG)  
[www.dvfg.de](http://www.dvfg.de)



#### HUNGARY

Magyar PB Gázapari Egyesület (MPE)  
[www.mpe-pbgaz.hu](http://www.mpe-pbgaz.hu)



# National Associations

## IRELAND

FORMER 

Liquid Gas Ireland  
<https://www.lgi.ie>



## ITALY

Assogasliquidi Federchimica  
<https://assogasliquidi.federchimica.it>



## NETHERLANDS

Vereniging Vloeibaar Gas (VVG)  
[www.vvg-nederland.nl](http://www.vvg-nederland.nl)



## NORWAY

Drivkraft Norge  
[www.drivkraftnorge.no](http://www.drivkraftnorge.no)



## POLAND

Polish Liquid Gas Association  
<http://pogp.pl/>



## PORTUGAL

Associação Portuguesa  
de Empresas Petrolíferas (APETRO)  
[www.apetro.pt](http://www.apetro.pt)



## SLOVENIA

GIZ UNP  
[www.giz-unp.si](http://www.giz-unp.si)



## SWEDEN

Energigas Sverige  
[www.energigas.se](http://www.energigas.se)



## UKRAINE

Ukrainian LPG Association  
(ULPGA)  
[www.uasg.com.ua](http://www.uasg.com.ua)



## UNITED KINGDOM

Liquid Gas UK  
[www.liquidgasuk.org](http://www.liquidgasuk.org)



# LPG Distributors

Autogas Nord

[www.agnenergia.com](http://www.agnenergia.com)



Coral Gas

[www.coralgas.gr](http://www.coralgas.gr)



DCC Energy LPG

[www.dccenergylpg.com](http://www.dccenergylpg.com)



Repsol

[www.repsol.com](http://www.repsol.com)



SHV Energy

[www.shvenergy.com](http://www.shvenergy.com)



UGI Corporation

[www.ugiintl.com](http://www.ugiintl.com)



Veroniki Holding

NEW LOGO - OCT. 2020

[www.veronikiholding.com](http://www.veronikiholding.com)



# Affiliates



Algas-SDI  
www.algas-sdi.com



Kosan Crisplant  
www.kosancrisplant.com



Amtrol Alfa  
www.amtrol-alfa.com



Lloyd's Register Consulting Energy  
www.lr.org/en/energy



Anova  
www.anova.com



Mann Tek  
www.mann-tek.com



Antonio Merloni  
www.amcylinders.com



Presta Cylinders  
www.prestacylinders.lu



Argus Media  
www.argusmedia.com



Prins Autogassystemen  
www.prinsautogas.com/en/  
new member already published in 2020



Camping Gaz  
www.campingaz.com



Rego  
www.rego-europe.de



Cavagna Spa  
www.cavagnagroup.com



Rochester Gauges Int.  
www.rochester-gauges.be



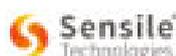
Charles André  
www.charlesandre.com



Rovip  
www.rovip.com



Clesse Industries  
www.clesse.eu



Sensile Technologies  
www.sensile.com



Corken  
www.corken.com



Smart Cylinders  
www.smartcylinders.com



Cotrako S.R.L.  
www.cotrako.it



Sibur International  
https://sibur-int.com/



Hellenic Association  
of Alternative Fuels  
new member, joined in 2021  
https://sekoe.gr/



Tomasetto Achille  
https://www.tomasetto.com



Hexagon Ragasco  
www.hexagonragasco.com



Vialle  
new member, already published in 2020  
www.vialle.nl/en



IHS Markit  
www.ihsmarkit.com



World LPG Association  
www.wlpga.org



ITG  
www.itg.pt

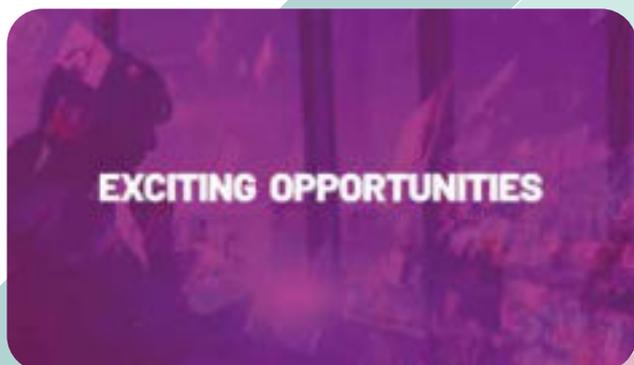


Zinacor  
www.zinacor.com

# EUROPEAN LPG

E-CONGRESS 2021

28-30 SEPTEMBER



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# Liquid Gas Europe

LPG – The Smart  
Alternative,  
Everywhere  
You Need It

