The WLPGA is the authoritative voice of the global LPG industry representing the full LPG value chain. The primary goal of the association is to add value to the sector by driving premium demand for LPG, while also promoting compliance to good business and safety practices.

The WLPGA brings together over 300 private and public companies operating in more than 125 countries, involved in one, several, or all activities of the industry; develops long-term partnerships with international organisations; and implements projects on local and global scales. The association was established in 1987 and granted Special Consultative Status with the United Nations Economic & Social Council in 1989. WLPGA also develops long standing partnerships with other international bodies such as various departments of the UN, the World Health Organization, Regional Development Banks and a number of well-respected international NGOs such as the Partnership on Clean Indoor Air (PCIA), the Clean Cooking Alliance and E-Co. The geographical spread and diversity of the WLPGA’s membership makes the association a representative, trusted and logical partner in international discussions.

VISION

The WLPGA promotes the use of LPG to foster a safer, cleaner, healthier and more prosperous world.

MISSION

- To advocate LPG as part of the solution to future energy challenges
- To support efficient and responsible business
- To encourage innovation and support business growth
The core activities of the WLPGA are covered in three key goals:

**Advocacy (ADV)**
To advocate LPG as part of the solution to future energy challenges

**Business Improvement (BIM)**
To support efficient and responsible business

**Innovation and Growth (IGO)**
To encourage innovation and support business growth

YEAR

1

OF 3 YEAR PLAN

3

GOALS

3

PERMANENT CHAIRS

3

YEARS
SIX PILLARS OF THE CHARTER OF BENEFITS

HEALTH

CLIMATE

ECONOMIC GROWTH & SOCIAL PROGRESS

RESOURCE EFFICIENCY

EFFICIENCY

ENERGY FUTURE
I would encourage everyone to get more involved and engage with the WLPGA team.

In large parts of the world the debate is not only about climate but also about energy and health; energy and jobs; energy and social justice. The good news is our industry is already playing a significant role in meeting these challenges around the globe. Demand for LPG rose by over 6% in Asia in the last year including significant growth in China, India and Bangladesh. Key market segments are also showing growth for instance Autogas in the USA increased by 20% while Marine LPG has dramatically taken off this year with the announcement of many LPG-fuelled VLGCs, and the first of these, the BW Gemini, is already in operation.

To confront our multiple challenges and realise our many opportunities it is important to remind ourselves that we each have a critical role to play in promoting LPG in our communities. As individual members in our respective businesses and organisations we must provide clear direction to our customers, our employees, and other key stakeholders. More than ever before, we must also support our national associations in the critical role they play working with local policy makers and regulators as we strive to position LPG in the longer-term energy mix. And of course, to bring this together on a global basis and provide tactical support, we are fortunate to have the great team at the WLPGA.

Here at the WLPGA we agreed over a year ago a core set of objectives which I would suggest are even more relevant today. Advocacy to promote the LPG message to target stakeholders Business Improvement to support the industry in setting the highest standards, and Innovation and Growth to demonstrate that we are a relevant fuel for the future. This valuable work is only possible thanks to your membership, where collectively we can make better progress than being alone. But beyond membership, I would encourage everyone to get more involved and engage with the WLPGA team - there are many working groups, networks and webinars where you can both contribute and take back learnings to your organisation.

In the next and last year of my presidency, I am committed to ensuring the WLPGA remains focused on its goals, converting strategy into action. I have joined many of you via virtual meetings in 2020, including the highly successful eLPG Week, and while I expect this to continue I also look forward to meeting you in person either at a WLPGA event or at LPG Week in Dubai in December 2021.

Lastly, I would like to thank all WLPGA members, committees and working groups, as well as the hard-working management and staff of your association for successfully navigating the troubled waters of 2020 and leading us into the opportunities of 2021.
PRODUCTION

EXCEPTIONAL GROWTH RATE OF 3.7%

PRODUCTION GREW OVER 11% IN THE USA

PRODUCTION DECLINE OF 3% IN MIDDLE EAST

GLOBAL PRODUCTION 331 MILLION TONNES
As we emerge from the pandemic, the world is looking for a green, clean and affordable recovery and LPG is ready to deliver.

Looking at our activities and results, 2020 was a good year for the WLPGA. In this first year of our new three-year strategic plan, we successfully completed or exceeded most of the projects that we had set ourselves. We developed each of our three principal goals with significant successes in the areas of advocacy, digitalisation, renewable LPG and marine. In addition, we responded to the Coronavirus pandemic with a COVID-19 exchange platform for members. Our annual World LPG Forum, now part of LPG Week was unavoidably postponed. Rather than sit and wait for the next opportunity to hold the event in a traditional way, the WLPGA transformed the forum into a major virtual event held very successfully as e-LPG Week.

As we close 2020 and look to the next year, a great deal of uncertainty remains. What hasn’t changed is the exceptional nature of our industry and the strong and dedicated support of the WLPGA to realising the new and emerging opportunities for our membership.

The WLPGA is unique. We are the global voice of the LPG industry and we consistently deliver value to our members and the LPG sector more broadly. There has never been a better time to be in the LPG industry. Whatever your business, join us, contribute and benefit from the leading global LPG network that is the WLPGA.
I AM
WLPGA

WLPGA is the only global body representing the LPG industry.

We thank all our members for their continued support and value the absolute team spirit that we all work together to foster.

Don’t just take our word for it... hear from some of our members around the world.
BENEFITS FOR MEMBERS

The WLPGA is the ONLY global voice for the LPG industry, uniting the broad interests of the worldwide LPG industry into one strong independent organisation and we offer a wide range of membership benefits, so whatever part of the sector you are engaged with, there will be always some major benefit to your organisation. Simply put, if you are involved in the LPG industry, then membership of WLPGA should be part of your strategy. The key benefits of membership can be summed up under five headings: Network, Information, Education, Influence, and Credibility.

NETWORK
WLPGA is a constantly growing leadership network with over 300 members operating in over 125 countries. The WLPGA global network brings together leaders of organisations from the entire LPG value chain including observer members from academic bodies, inter-governmental organisations, NGOs and national governments.

ACCESS
Members have access to the largest LPG network in the world which gives them a unique opportunity to present their position to the entire industry. Members are strategically placed around the world and by organising regular regional and global events, WLPGA membership offers a powerful platform for members to network.

WLPGA MEM
The Member Engagement Meetings (MEM) are held three times a year and offers members a full day of discussion on specific topics under the three key goals which are Advocacy, Business Improvement, and Innovation & Growth. The Member Engagement Meetings allow members the opportunity to share ideas, processes and new technologies to ultimately enable the development of the entire LPG community and identify focus areas for the industry.

LPG WEEK
Arguably the most important event in the LPG calendar, LPG Week regularly attracts hundreds of exhibitors and thousands of delegates each year. LPG Week comprises a week of unrivalled events offering exceptional opportunities to network, exchange, and do business. The event travels the globe allowing leading executives from the industry and beyond an exceptional opportunity to meet ‘everyone you need to know’ in the sector. WLPGA members are entitled to significant discounts whether you wish to exhibit, or attend the event.

WINLPG
The mission of Women in LPG (WINLPG) is to support and help empower women in the industry by leadership, coaching, mentoring and promoting role models. WINLPG holds regular Knowledge Exchange sessions around the world and currently has six national chapters in Myanmar, the USA, Colombia, South Africa, Nigeria and India. WLPGA members have privileged access to the network.
In 2020, Omera became the first WLPGA Industry Council member from Bangladesh. This is a sign of the region’s growing strength in terms of investment capability and commitment to clean energy. Through this extraordinary difficult year, we have joined hands with the WLPGA to promote the importance of clean air to aid respiratory health, and communicate how LPG is the best fuel to achieve a greener future.

Tazeen Chowdhury
Head of Corporate Planning and Business Development, Omera Energy

INFORMATION

Communications remains at the heart of all WLPGA’s activities. WLPGA aims to inform and educate all stakeholders about the benefits of LPG. WLPGA arranges regular interactive meetings and in-country workshops uniting technical experts, senior executives and other key stakeholders and is also able to foster extended influence by offering a highly credible source of information and data to enable members in their own outreach initiatives.

Business Contacts for Members
The WLPGA maintains an up-to-date Members’ Directory with full and exclusive contact details which is only available to members giving immediate contact with fellow industry professionals.

Member Queries
The WLPGA provides members with a permanent query service covering fuel specification standards, equipment standards, consulting firms, engineering firms, safety rules, taxation policies, new business contacts and much more.

Members’ Only Extranet
This password protected portal has been completely upgraded to offer members even more data, reports and a shareable free photograph library.

EE & Charter of Benefits Toolkit
Exceptional Energy (EE) is the brand developed by the WLPGA to raise awareness of the exceptional benefits of LPG. The WLPGA urges members to adopt the brand logo and quote the statistics given in the newly launched Charter. A comprehensive toolkit is freely available online.

Members’ Only Reports
The WLPGA publishes certain reports for exclusive distribution to members.

Statistical Review of Global LPG
A major membership benefit is that each member receives one free copy of the Statistical Review of Global LPG, the highly referenced annual publication used throughout the industry providing LPG production and consumption data for over 120 countries.
EDUCATION

Investing in knowledge building and sharing among members, and in educating key stakeholders is another important arm of the WLPGA’s work.

Workshops & Training Courses
The WLPGA regularly organises interactive workshops, training and train the trainer courses.

Special Projects for Members
The WLPGA coordinates specific custom-made projects for consortia of at least three members.

INFLUENCE

The WLPGA develops partnerships with influential international bodies which enables it to address major issues with policy-makers and key opinion leaders.

Access to International Institutions
Members have direct access to many NGOs and inter-governmental organisations. The WLCPA has Special Consultative Status with the United Nations and partnerships with major institutions such as the World Bank, the Asian Development Bank, The International Energy Agency and the Clean Cooking Alliance.

Global Leadership Position
The WLPGA enables broad industry representation with highly influential bodies where members benefit from a powerful leadership position that the association holds.

CREDIBILITY

In 1989, WLPGA was awarded official Consultative Status with the United Nations Economic and Social Council (UN ECOSOC). It has also developed long-standing partnerships with other international bodies and multi-lateral institutions such as various departments in the UN, including Sustainable Energy For All, the World Bank, Regional Development Banks, and a number of respected international NGO’s such as the Clean Cooking Alliance. The geographical spread and diversity of WLPGA’s membership makes the association a representative, trusted, and logical partner in international discussions.

WHO CAN JOIN THE WLPGA?

Any organisation that has an interest in the LPG industry can join.

There are various categories of membership available to interested organisations.

For more information contact Audrey Ginsz (aginsz@wlpga.org).
2020 MEMBERSHIP

Asia and Pacific
Astornos Energy Corporation, Japan
Bangladesh University of Engineering & Technology, Bangladesh
Bashundhara LP Gas Ltd, Bangladesh
BB Energy Asia Pte Ltd, Singapore
Beximco Petroleum Ltd, Bangladesh
Bharat Petroleum Corporation Ltd, India
BM Energy (BD) Ltd, Bangladesh
Brunei Shell Marketing Co. Sdn. Bhd., Brunei
BW LPC, Singapore
CIMC Enric Jingmen Hongtu Special Aircraft Manufacturing Co. Ltd, China
Clean Air Asia, Philippines
Dastvaanjil Co. Ltd, Mongolia
EI Corporation, South Korea
Elgas Ltd, Australia
Elpiji (M) SDN. BHD, Malaysia
Eneo Globe Corporation, Japan
Energypac Power Generation Ltd, Bangladesh
Epic Gas Ltd, Singapore
Federation of Indian Petroleum Industry, India
Grassroot Trading Network for Women, India
Gujarat University, India
Gyxis Japan
Hangzhou Yuhang Zhangshan Steel Cylinder Co. Ltd, China
Hindustan Petroleum Corporation Ltd, India
Hong Kong & China Gas Co Ltd, China
Hubei Daly LPG Cylinder, China
Indian Auto LPG Coalition, India
Indian Oil Corporation Ltd, India
Isla LPG Corporation, Philippines
ITO Corporation, Japan
Iwatani International Corporation, Japan
Jamuna Spacetech Joint-Venture Ltd, Bangladesh
Japan LPG Gas Association, Japan
JOCMEC, Japan
Keagas Nihon Co Ltd, Japan
Korea Gas Safety Corporation, South Korea
Korea LPG Association, South Korea
Laughi’s Gas Pte, Sri Lanka
Liquigas Power Private Ltd, India
Litro Gas Lanka Ltd, Sri Lanka
LP Gas Center, Japan, Japan
LPC Association of New Zealand, New Zealand
LPC Operators Association of Bangladesh, Bangladesh
LPC Summit, Singapore
Mauria Udyog Limited, India
Nepal LP Gas Industry Association, Nepal
New Cosmos Electric Co Ltd, Japan
Oil and Gas Regulatory Authority, Pakistan
Oil Industry Safety Directorate - Government of India, India
Omara Petroleum Ltd, Bangladesh
Optech Engineering Pvt Ltd, India
Origin Energy, Australia
Parnari Energy Services Co Ltd, Myanmar
Pertamina, Indonesia
Petredex Services (Asia) Pte Ltd, Singapore
Philippines LPG Association, Philippines
Plantation Human Development Trust, Sri Lanka
Sahamitr Pressure Container Public Co. Ltd, Thailand
Saison Co. Ltd, Japan
SCG (Thailand) Co Ltd, Thailand
Secretariat of the Pacific Community, Fiji
Self Employed Women’s Association, India
SK Gas, South Korea
Southern Gas Trading JSC-Cylinder Branch, Vietnam
Spectrum Sustainable Development Knowledge Network, Myanmar (Burma)
Sunrise LP Gas & Energy Group, China
Taizhou City Yuehui Manufacturing Co Ltd, China
Tianlong (China), China
TPA Metals and Machinery Co Ltd, China
Unique Central Piped Cases Pvt Ltd, India
Wesfarmers Kleenheat Gas Pty Ltd, Australia
Woodfield Systems International, India

Middle East
Al Amzn Gas Cylinders Manufacturing LLC, United Arab Emirates
Belhassa Loistic Services, United Arab Emirates
Brothers Gas, United Arab Emirates
Central Gas Jordan, Jordan
E. ON Masdar Integrated Carbon Ltd, United Arab Emirates
Emirates Gas LLC, United Arab Emirates
Casco Saudia Arabia, Saudi Arabia
Jordan Petroleum Refinery, Jordan
KCME Co for Gas Installation & Contracting, Kuwait
Kuwait Oil Tanker Co. K., Kuwait
Muscat Gas Co, Oman
Natagz, Lebanon
National Gas Company - SAOG, Oman
Saudi Mas Trading, Saudi Arabia
The Green Flame Gas Co, Kuwait
Unigaz International Ltd, Lebanon

North & South America
Abagas, Brazil
Abastible SA, Chile
Algas-SOI, USA
Anova, USA
APR Energy, USA
Arcosa Industrias de Mexico, Mexico
Arcosa Tank USA, USA
Asociacion Iberoamericana de Gas Licuado de Petroleo, Brazil
Bergquist Inc, USA
Blackmer, USA
Blossman Gas Inc, USA
Blue Star Gas, USA
Buenos Aires Gas SA, Argentina
Canadain Propane Association, Canada
Clean Cooking Alliance, USA
Copagaz Distribuidora de Gas Ltda, Brazil
Corken Inc, USA
Dorian LPG, USA
Empresas Lipigas, Chile
Energy Distribution Partners, USA
Envirofit International, USA
Ferrellgas, USA
Fisher LP Gas Equipment, USA
Gasco CLP, Chile
Gasnova, Colombia
GE GasPower, USA
Global LPG Partnership, USA
IHS Markit, USA
Industrial Ochoa SA de CV, Mexico
International DME Association, USA
Lehr Incorporated, USA
Liquigas Distribuidora, Brazil
Manchester Tank & Equipment, USA
Marshall Exclusior Co, USA
Nacional Gas Butano Distribuidora Ltda, Brazil
National Propane Gas Association, USA
Onyx Environmental Solutions, USA
OPIS, USA
Paraco Gas Corporation, USA
Pembina Pipeline Corporation, Canada
Africa
Africare, Nigeria
Afriqua Gaz, Morocco
Afrox, South Africa
Association of Oil Marketing Companies, Ghana
Bhachu Industries Ltd, Kenya
Caisse de Stabilisation des Prix des Hydrocarbures, Cameroon
Department of Petroleum Resources Nigeria, Nigeria
FeniX International, Uganda
Gas to Health Initiative, Nigeria
Ghana Cylinder Manufacturing Company, Ghana
Ghana Oil Company Ltd, Ghana
Ministry of Energy, Ghana, Ghana
Ministry of Mines and Petroleum of Ethiopia, Ethiopia
Ministry of Petroleum Resources, Nigeria, Nigeria
National Economic Empowerment Council, Tanzania
National Petroleum Authority, Ghana
Navgas Ltd, Nigeria
Nigeria LNC Ltd, Nigeria
Nigeria LP Gas Association, Nigeria
Nigerian National Petroleum Corporation, Nigeria
Ovh Energy Marketing, Nigeria
Paygo Energy, Kenya
Petrogas S.A. (Mozambique), Mozambique
Petroleum Institute of East Africa, Kenya
Pilot International, Uganda
Proto Energy Limited, Kenya
Salam Gaz, Morocco
SNDP, Tunisia
Sonatrach, Algeria
Standards Organisation of Nigeria, Nigeria
The Lagos Chamber of Commerce & Industry, Nigeria
Thomas Aquinas Foundation, Ghana
Targex, Cameroon

Europe & Eurasia
2A Muhendislik San. Tic. A.S., Turkey
Aggreko, United Kingdom
AIUT, Poland
Alkinboğa Gas Equipments, Turkey
Amtrol-Alfa, Portugal
Argus Media, United Kingdom
Arhan Grup Talaslı İmalat San. Ve Tic. Ltd. Sti. Orgaz, Turkey
Assosglassidr. Federchimica, Italy
Aygaz A.S., Turkey
Carbon Clear, United Kingdom
Cavagna Group, Italy
Circle Gas, United Kingdom
Coral Gas, Greece
DCC LPG, Ireland
Design Engineering & Consulting, Belgium
Durulsan Makina LPC Celik, Turkey
DVFC, Germany
Elaffox, Germany
Energy & Impact, United Kingdom
Energy Market Regulatory Authority of Turkey, Turkey
Entrepreneurs du Monde, France
Equinor, Norway
FAS Flüssiggas-Anlagen GmbH, Germany
Finngas GmbH, Germany
Flaga GmbH, Austria
France Gaz Liquides, France
Friedrich Scharr KG, Germany
GasStop Europe BV, Netherlands
Gavedra, Portugal
Gaz Transport & Technigaz, France
Geogas Trading SA, Switzerland
Gak Regler - Und Armaturen GmbH & Co. KG, Germany
Greenhouse Global, Italy
HEDON Household Energy Network, United Kingdom
Hellenic Coalition of Alternative Fuels, Greece
Hexagon Ragasco A.S., Norway
Integrated Gas Technologies, Denmark
International Chamber of Commerce, France
International Fertilizer Industry Association, France
International Gas Union, Spain
IPIECA, United Kingdom
Kautex Maschinenbau GmbH, Germany
Levgas SARL, Monaco
Liquid Gas Europe, Belgium
Liquid Gas UK, United Kingdom
LWFB, Netherlands
Makeen Energy, Denmark
MAN Energy Solutions, Denmark
Maritime Strategies International, United Kingdom
Omal SpA, Italy
Onyx Energies, Switzerland
OZDıgal, Portugal
Paresa, Italy
POGP, Poland
Power to educate AS, Norway
Practical Action, United Kingdom
Prints Autogassystemen B.V., Netherlands
Project Capital, Netherlands
REEEP, Austria
Repsol, Spain
Rochester Gauges International, Belgium
Rubis Energie, France
Sensiile Technologies SA, Switzerland
SHV Energy, Netherlands
Sibur International GmbH, Austria
Siemens Industrial Turbomachinery Ltd, United Kingdom
Tekfon İmalat, Turkey
The Partnering Initiative, United Kingdom
Total Marketing & Services, France
Trafiquera PTE Ltd, Switzerland
Trovon Ltd, British Isles
Truma Geratechnik GmbH & Co. Germany
Turkish LPG Association, Turkey
Tyczka Trading & Supply GmbH & Co. KG, Germany
UNHCR, Switzerland
Veroniki Holding, Italy
Vivo Energy, Netherlands
Wartsila Tank Control Systems, France
World Alliance for Decentralized Energy, United Kingdom
Each year WLPGA produces a wealth of publications. Ranging from freely available case studies, publications and videos, to reports that are available to our members only. Here is a snapshot of the key material we produced in 2020:

**Statistical Review of Global LPG 2020**
The Statistical Review of Global LPG is the WLPGA’s flagship publication and published each year with Argus Media. It contains the latest comprehensive supply and demand data from over 120 countries. This valuable document is provided to all members free of charge as part of the membership proposition and is available for purchase from Argus Media for non-members.

**Good Industry Practices Guides**
WLPGA has a library of good industry practice guides which is developed each year. As the title suggests, these guides layout recommended practice guidelines for a wide range of LPG related activities and give indispensable advice to promote the safe and smooth running of the industry.

In 2020 WLPGA produced a Good Industry Practice Guide for Consumer Safety. Four other guides were updated: LPG Bulk Road Tanker Management, Cylinder Management, Cylinder Filling and Bulk LPG Installations. All guides are freely available on the WLPGA website.

**Cutting through the Noise**
Cutting Through The Noise looks at LPG’s response, recovery and regeneration amid the COVID-19 crisis, a topic that of course has been at the forefront of our lives this year.

**Autogas Incentive Policies**
This essential study explains 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. The study involved a detailed survey of Autogas taxation and other incentive programmes covering 23 of the world’s largest Autogas markets. The study also gives a comprehensive overview of the global Autogas market and is key reading for anyone in the automotive industry. The publication is updated annually in Q4 of each year, and is a companion piece to the Autogas Vehicles Catalogue, Guide to New Autogas Markets, and a Global Roadmap for Autogas. All available for download from www.auto-gas.net/publications.

**LPG in Agriculture and Farming Report**
This report addresses the possible uses of LPG in the agricultural sector. It includes a scan of the market and its characteristics, why and where to use LPG, the various agriculture and farming applications, technology development, environmental and regulatory aspects.

**Alcohol to Jet Fuel Report**
This report explores opportunities that arise from alcohol to jet fuel technology and the growth of biojet fuel demand from the aviation industry.
CASE STUDIES

Ujjwala – Charting the Success of LPG Distribution in India
A major report detailing the Ujjwala programme launched by Indian Prime Minister Modi to distribute over a staggering 50 million LPG connections to below poverty line families in India.

LPG for Power Generation on Salmon Farms in Chile
Details a fascinating project providing LPG for power generation to a salmon farm in southern Chile.

UNHCR & WLPGA Partnership
WLPGA has produced this case study detailing the partnership and how LPG is being used in refugee camps to displace traditional fuels.

The Voice Newsletter
The Voice is a magazine style bi-monthly newsletter that unites four key newsletters: The Voice (global industry news), Insider (updates for WLPGA members only), WINLPG (an update on this important network), and LPG Week News. To register to receive the newsletter please click here.

VIDEO CASE STUDIES

Smooth Energy on Ice is a fascinating look at an alternative application for LPG for ice rinks.

Low Emissions – Better Air Quality demonstrates again the value of Autogas in a Canadian limo fleet.

Reliable & Cost Effective Heat & Power looks at LPG for heat & power generation in Canada.

Lighting The Way shows LPG giving magical light shows at Kew Gardens in the UK.
VIRTUAL EVENT

e-LPG WEEK

2020
It was simply a wonderful week. I cannot say enough positive things about the venue/platform, the opportunities, the caliber of content and speakers. I did not know exactly what to expect but James Rockall’s closing remarks hit the mark perfectly: the WLGPA team exceeded my expectations.

Tamria Zertuche
Chief Operating Officer
Ferrellgas, USA
It is delightful to see how the WLPGA has re-introduced an innovative outlet for industry experts to come together; using the latest technologies to discuss how we can collectively advance the industry and set new standards for operational excellence in the LPG sector.

H.E. Saif Humaid Al Falasi
Chief Executive Officer
ENOC Group

WHERE THE LPG VALUE CHAIN CONNECTS VIRTUALLY

This year, the COVID-19 pandemic brought a new event to the scene, e-LPG Week. The first virtual global LPG event took place from 2nd-6th November, e-LPG Week was fully hosted online on a first-class interactive digital platform with cutting-edge artificial intelligence.

Under the theme 'Bringing Energy to Life', the event's focus was on how to make energy available but also how energy can contribute to a better life. In the words of former UN Secretary-General Ban Ki-moon, 'energy is the golden thread that connects economic growth, increased social equity, and an environment that allows the world to thrive'.

James Rockall, WLPGA CEO & Managing Director, said that as the energy transition continues, COVID-19 has changed everything in our lives including the energy sector. It is critical to put people at the heart of the energy debate, we cannot allow any person to be left behind. There is no one solution in terms of energy going forward; electrification of everything is neither the silver bullet nor a responsible solution, and collaboration and cross-sector cooperation are critical.

There were several key takeaways from the week. Indeed, the pace of change through decarbonisation is accelerating and trade associations should be supported while keeping close to the local state regulators. COVID-19 was, unsurprisingly, part of the various discussions, with the industry's response to the pandemic confirming that LPG is a resilient, essential fuel with a long-term role. Equally, promotion of LPG as a benefit for the environment should continue and should be a key part of sustainability discussions. Technology must be embraced, and investment should be made in digitalisation and innovations.
The world needs a sustainable recovery from COVID-19 - one which helps countries deliver on their energy security and sustainability goals while boosting economic growth. There is no one-size fits all solution to our energy challenges, but LPG will continue to play a role in many applications and markets and to be particularly important for households in emerging and developing countries.

In his keynote, Mr. Fatih Birol, Executive Director, International Energy Agency (IEA), stated that IEA recognises the clear benefits of switching to LPG and recognises the critical role that LPG plays in commerce transport, and household applications around the world. IEA is determined to lead the global energy transition. However, this should be a fair and just transition that keeps in mind the billions of people in developing countries who still rely on biomass for cooking. He advised the LPG industry to ‘green’ its practices as soon as possible to ensure the long-term survival and prosperity of the industry.

Throughout the week, many other keynotes, sessions, e-stage presentations, and e-snapshots were broadcasted live or recorded. Alongside these discussions was a lively Marketplace where the networking and business elements of LPG Week were pursued.
Each year, the LPC industry is invited to submit abstracts showcasing some of the most innovative and promising technologies. GTC is key in identifying innovation and new technologies to shape the future in the LPC industry.

The submissions and presentations this year included topics such as distribution optimisation models allowing real-time integration of customer needs, and digital-transformation technologies using Internet of Things (IoT) and artificial intelligence (AI) that can resolve low-demand forecast accuracy and daily-route inefficiency issues. Emission reductions and engine after-treatment systems made also part of the submissions, as well as innovative Autogas future-proof LPG systems with latest DI car engine technologies and domestic applications like gas-fired tankless water heaters in combination with hydronic air handler units for simultaneous central heating and domestic hot water production.

All the papers, according to the process, were selected by the GTC steering committee based on a list of agreed criteria, including the degree of technical innovation, safety improvement potential, operational efficiency, commercial, marketing potential, etc. The winner was selected from the ten papers through the GTC steering committee scoring and on-line audience polling.

The prestigious GTC 2020 Innovation Award was attributed to Gasco GLP Chile for their presentation ‘GASCONNECT’, and their highly successful distribution optimisation project. The winning paper described a new distribution model that reduces the delivery times of cylinders through the implementation of technology that allows real-time integration of consumer needs.

The runner-up award was given to Tecogen Inc. for their presentation ‘An LPG Near Zero Emission System for Forklifts’ and their continuous activities on emissions reductions technologies. Tecogen demonstrated an engine after-treatment system designed to reduce engine emissions from LPG forklift trucks.

Following the very successful introduction of category awards last year, the following 2020 category awards were also presented:

- Distribution: Tokyo Gas and Azbil Kimmon, for their "Next era of cylinder distribution using digital transformation technologies"
- LPG Applications - Autogas: Prins Autogassystemen BV for their paper "Beyond the latest engineering"
- LPG Applications - Domestic: Rinnai for their paper "Central heating and domestic hot water (DHW) generating using Hydronic Airhandler and Tankless water heaters"

‘GTC - Where are they now?’

The first GTC was held in Chicago in 2006 and since then it has become an annual event held during the World Forum. This year, e-LPG Week hosted the 13th GTC and the programme reflected a trip down memory lane with a summary of some of the over 300 submissions received since Chicago. ‘GTC - Where are they now?’ included some brief contributions from several authors who have submitted abstracts over the years. They included authors who had presented in Chicago in 2006 and had been persuaded to come out of retirement. The authors described how their technologies have developed since being showcased in GTC. Subjects in ‘GTC - Where are they now?’ included RFID for cylinders, synthetic natural gas systems, composite cylinders, telemetry for storage tanks, direct injection systems for cars and smart meters.

For more information on Global Technology Conference, contact:
Nikos Xydas nxydas@wlpga.org or
David Tyler dtysler@wlpga.org
The concept of Autogas Day was developed in the Netherlands in 2018, in order to have a concerted effort by the industry to inform key stakeholders on the benefits of driving on Autogas. The concept has grown, and is now a staple event of WLPGA’s World LPG Forum. This year marked the second international Autogas Day, bringing together close to 450 attendees over three-days, with 12 high-level speakers from nine different countries all over the world.

Mr. Diego Mesa Puyo, the Minister of Energy and Mines for Colombia, provided a keynote on the LPG market, highlighting the role that Autogas plays towards reaching their climate targets.

From the three panels, we learned what it takes for successful market development, the latest innovations as well as research in Autogas applications, and finally, the role that Autogas (and bioLPG) can and should play towards carbon-neutrality.

LPG FOR DEVELOPMENT

LPG4DEV

Cooking For Life, in cooperation with the Global LPG Partnership (GLPGP), organised the 4th LPG For Development (LPG4DEV) Summit that was held on Monday 2nd and Tuesday 3rd November during e-LPG Week.

The two sessions that formed LPG4DEV had distinct focuses. The first looked at how increasing access to clean energies such as LPG is a way to accelerate achievement of the United Nations Sustainable Development Goals (SDGs) and the second session looked at country level projects and programmes on the ground. The event featured speakers from the United Nations Development Program (UNDP), the World Health Organization (WHO), Loughborough University, the Rocky Mountain Institute (RMI), Circle Gas, Indian Oil Corporation and Oryx Energies.
SAVE THE DATE

2021/DUBAI

LPG WEEK

5-9 DECEMBER
As governments start to enact ambitious legislation to accelerate the move to decarbonised economies, the LPC industry faces significant challenges, but also great opportunities. In this context, the role of WLPGA as a strong voice of advocacy and clear communications for the industry is crucial. The Advocacy Steering Group (ASG) oversees the creation of coherent and consistent messaging as well as strong advocacy positions that are targeted to key stakeholders. The ASC works closely with national and regional association members to create the necessary communications tools to ensure that decision makers are informed, equipped and knowledgeable about the benefits of LPC. Advocacy has a dual focus on the role of LPC in the decarbonisation debate as well as on the role that LPC can play in achieving the development targets set out in the United Nations’ Sustainable Development Goals (SDGs), specifically increasing access to clean, modern energy and improving air quality.

This programme area was set up to advocate for LPC as part of the solution to future energy challenges. To achieve this objective the work stream in 2020 focused on representing the interests of the industry with governments which are setting aggressive decarbonisation targets as well as on highlighting the role of LPC in achieving the development targets set out in the United Nations’ Sustainable Development Goals (SDGs).

In 2020, WLPGA created detailed stakeholder mapping which identified key WLPGA stakeholders for the period of 2020 – 2022. Leveraging the support of the newly created Advocacy Steering Group (ASG) as well as fully focused and targeted communications campaigns, this analysis allowed for methodical outreach to key stakeholders that will be crucial in complementing WLPGA’s mission. There was particular success with the International Energy Agency (IEA), which culminated with Executive Director, Dr. Fatih Birol’s, keynote address during e-LPC Week.

The work on the SDGs in 2020 was focused more on how promoting LPC can contribute to achieving all 17 of the SDGs and ensuring that there are adequate communication and advocacy tools for this purpose.

The programme area also produced a paper entitled ‘The Critical Contribution of LPC to a Responsible Energy Future’ which was designed to be industry input into the United Nations Framework Convention on Climate process, and which acts to position LPC in the discussions on climate change, the Sustainable Development Goals (SDGs) and the COVID-19 recovery.

At the beginning of the COVID-19 pandemic, WLPGA launched the COVID-19 Critical Exchange Platform (CCEP) as a message board where members could exchange information privately on what was a very fast moving crisis. The CCEP focused on the areas of Policy and Regulation, Market Intelligence and Guidelines and Practices and its goal was to provide information, data, guidelines and support to WLPGA members as they navigated an unprecedented global emergency.

The great global challenges of 2020 have unequivocally demonstrated the importance of WLPGA’s role as a strong voice of advocacy and communications for the LPC industry. Clear, coherent and consistent messaging as well as strong advocacy positions will be crucial in ensuring that the voice of the industry is heard by key stakeholders and that LPC’s inherent qualities as a fuel are acknowledged and understood. WLPGA will continue moving forward with its advocacy programme to ensure that LPC is recognised as a low carbon, clean burning and accessible fuel which has a role to play in helping countries lower greenhouse gas emissions, increase access to modern energy and improve air quality while ensuring that the recovery from the COVID-19 pandemic is robust, durable and clean.

Esther Busscher
Head of Group Public Affairs, SHV Energy; President, Liquid Gas Europe and Advocacy Goal Chair
Cutting Through The Noise

For the third consecutive year, WLPGA partnered with UK-based consultancy Ecuity, to produce a report addressing immediate issues facing our industry. This year’s report – Cutting Through The Noise – looks at LPG’s response, recovery and regeneration amid the COVID-19 crisis, a topic that has been at the forefront of our lives throughout the year. This study represents the first step in an important discussion amongst key stakeholders about the impact of the crisis on the LPG industry, examples of challenges faced, and solutions delivered that can define best practices going forward. The main report is freely available and an addendum featuring case studies and a member survey, is available to members only along with an accompanying communications toolkit.
CONSUMPTION

GROWTH OF 3.7%  
DEMAND IN ASIA-PACIFIC DOMINATED BY INDIA & CHINA

RESIDENTIAL MARKET TOPPED 141 MILLION TONNES  
GROWTH IN US AUTOGAS DEMAND

LPG SUPPLY & DEMAND UP 25% SINCE 2012
GOAL

BUSINESS IMPROVEMENT

2020
One of the primary objectives of the WLPGA is to promote LPG as a safe and efficient fuel, and enhance the image of the product and the industry. The industry also needs to be agile to change, monitor threats, and identify new opportunities when they emerge. With many opportunities in the IoT space, the industry can become more efficient and smarter. BIM not only focuses on many of the core programmes that WLPGA has delivered in the past - to ensure a safe and sustainable industry - but will also closely monitor standards and report on new developments and the industry in general. BIM also firmly addresses the issue of diversity, not only gender balance but also regarding the engagement of youth as a critical path to ensure a bright future for our industry.

In addition to the worrying climate change challenge, the COVID-19 crisis has brought many other challenges for the industry, with greater uncertainty in the short-term. In this uncertain environment, we must be more agile and open to change, but above all, have the leadership and the policies necessary to cross this whitewind.

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**Statistical Review of Global LPG 2020**

The Statistical Review of Global LPG 2020 is published by Argus Media, and this year’s edition was distributed virtually as a PDF to members as part of the WLPGA membership proposition. The report is a comprehensive assessment of the supply-demand history of over 120 countries. Highlights of the data collected from 2019 included a 3% increase in global demand to reach 325mmT with South Korea, India, and China being the standout performers. There was a 5% increase in supply of LPG produced from gas processing in 2019. Gas processed LPG production, compared to refinery produced LPG, is now approaching 2:1, an important factor when refinery produced fuels is being adversely impacted. The statistical review traditionally includes a forecast by Argus Media, and their latest view is that, despite COVID-19, the global demand for LPG in 2020 is expected to remain above 300mmT. The Statistical Review of Global LPG is available to non-members of the WLPGA directly from Argus Media by contacting David Appleton on david.appleton@argusmedia.com

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**Good Industry Practices**

Safety underpins the LPG industry, and is one of the major objectives behind the WLPGA Business Improvement goal. Safety was a topic of one of the e-LPG Week Snapshots, which were 15-minute pre-recorded hot topic sessions. During the Safety Session, Markus Dreier and Peter Ralston of UGI International gave their overview; one of the key messages is for companies to demonstrate total commitment to safety from the very top of the organisation.

The WLPGA have a suite of guidelines and guides to Good Industry Practices which are now available in flipbook on the WLPGA website. Several of these were updated during the year on important subjects that included cylinder management, bulk installations, bulk road transport and cylinder filling.

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*Blaise Edja*
Downstream Manager
West Africa, Oryx Energies & BIM Coal Chair

With its main objective to support efficient and responsible business, the Business Improvement Coal makes complete sense in such a difficult environment. We need to make the transition to a low-carbon future by promoting LPG as a safe and efficient fuel, respectful of the environment while meeting people energy needs. To do so, we have undertaken many important activities, reinforcement of safety in the business by issuing guidelines, organising training workshops, use of digitalisation and standards harmonisation to encourage business improvement, support of diversity in the LPG industry by increasing the number of women in the industry and attracting young talent.

I am confident that the members of WLPGA will continue to support and contribute to the initiatives of all three of our goals so that tomorrow would be better than today.
A new guide has been produced this year, to accompany the existing suite of guides, focusing on consumer safety in this COVID-19 year.

In addition to producing material on good industry practices, the WLPGA have traditionally run in-country workshops. During COVID-19, with travel curtailed, in-country workshops have been replaced with virtual workshop webinars. During 2020, the WLPGA ran four workshops focusing on African and Asian markets. They attracted audiences in excess of 150, including many who had been unable to attend workshops in the past. The material for these workshop webinars is based on the information produced in the WLPGA Good Industry Practice Guidelines. These workshop webinars will surely feature in future programmes, whether there are travel restrictions or not.

World LPG Challenge ‘20

Following the success of the inaugural start-up competition in 2019, WLPGA launched a follow up competition in 2020 supported by the Propane Education and Research Council (PERC). The subject for the World LPG Challenge ‘20 was ‘LPG in a Responsible Energy Future’. The competition was launched in March 2020 and attracted many ideas. The judging panel, consisting of representatives from both within the LPG industry and the start-up community, selected a short list of three submissions from SparkLPG, Artysystem and Quempin SPA. Each of the three finalists presented a pre-recorded, five minute pitch which was shown during e-LPG Week. The audience then voted, and Nicolas Becker Castellaro of Quempin SPA received the most votes for his submission proposing high efficiency, low emission burners, and was declared the winner. All three finalists receive a cash prize for making the finals.

Quempin SPA also receives a complimentary invitation to join LPG Week 2021 in Dubai. For more information on QuempinSPA contact nicolas.becker@quempin.cl. For more information on the World LPG Challenge contact David Tyler on dtyler@wlpga.org.

The International Maritime Organization (IMO) and the Hazardous and Noxious Substances (HNS) Convention

With the announcement in November by BW LPG that their VLGC, BW Gemini, is now on the high seas being propelled by LPG, and several other companies following suit to beat the IMO2020 reduction in marine fuel sulphur, the spotlight is now on LPG within the IMO corridors. The WLPGA holds observer status with the IMO at meetings of the International Oil Pollution Compensation Funds (IOPCF).

The IOPCF Funds provide financial compensation for oil pollution damage resulting from spills of persistent oil from tankers. It is administered by the IMO. The March meeting at the IMO headquarters in London was cancelled following the COVID-19 outbreak but the second meeting was held virtually in December and the WLPGA was in attendance. The IOPCF Funds continues to carry out its role in promoting the HNS Convention, preparing for its entry into force and for the first session of the HNS Fund Assembly.

The hazardous and noxious substances (HNS) Finder, the online HNS search tool developed and maintained by the IOPC Funds since 2011, has undergone a significant update and the new version is now available at https://iopcfunds.org/news/online-search-tool-to-identify-hns-updated/. The Finder is aimed at facilitating the identification of HNS contributing cargo - LPG is classified as a HNS - by entities liable to submit reports under the 2010 HNS Convention. As more countries look to ratify or accede to the HNS Convention, these tools will ensure that the practical requirements, such as reporting, are no longer considered obstacles to the Convention entering into force.
Standards Harmonisation

The primary focus again this year was the work within the technical committee ISO TC 58 (Gas Cylinders), and participation in the international plenary meetings of the committee and its sub-committees. In 2020 all meetings took place virtually which allowed a higher level of participation due to participants not being restricted by international travel costs and time.

At UN level, WLPGA continued its strong involvement and contribution to the work of the UN Model Regulations through the Sub-Committee of Experts on the Transport of Dangerous Goods and the hybrid virtual/physical meetings in Geneva. Another key success was the positive result of the discussions on the proposal to change cylinder labels and truck placards for gases. LPG cylinder labels and truck placards do not now have to be changed. Changing the labels on some two billion cylinders would have caused significant impact on the industry. This decision fully aligns with the LPG industry position.

PROMOTING DIVERSITY IN THE INDUSTRY

The WLPCA has a focus on diversity which encompasses the Women in LPG Global Network (WINLPG), and the issue of attracting young talent to the industry. Whilst WINLPG is now a well-established network with a focus on communication, connection and learning, the issue of attracting young talent is a more strategic pathway to look at measures that can be put in place to achieve this.

Women in LPG Global Network

WLPCA identified that there was a clear opportunity for the global LPG community to take medium- and long-term actions that can address the issues of attracting, retaining and developing women in the LPG industry. As the authoritative voice for the global LPG industry, WLPCA is uniquely positioned to develop and implement these actions.

WINLPG was launched in September 2015 and has three pillars of objectives: to support and retain women already in the industry through a network in which women can further their professional development and access colleagues and mentors; to promote the network via media, within the industry itself and at international events; and in the longer-term, to implement measures to educate and attract talent to the LPG industry.

WINLPG is a unique platform to meet, connect, exchange and learn. The network has over 2,000 members and has six active national chapters in the USA, Nigeria, South Africa, Myanmar, India and Colombia.

2020 was another exceptionally successful year for WINLPC, we were able to advance the network’s momentum, despite travel restrictions. We welcomed new Ambassadors, enhanced our role model library, continued our newsletter suite, continued our social media outreach and of course held the 2020 Awards. WINLPG also hosted their first WINLPG Global Webinar, an outstanding success which united over 140 people from over 33 countries.
It is my honour to act as Global Chair for this most important and exciting of networks. Having an active and successful network that promotes women in our sector is not simply a ‘nice to have’. It is an essential part of the process to ensure that we have a balanced, diverse and inclusive industry. In the five years that we have been active, WINLPG has taken immense strides in making sure that women have a voice at all levels of the industry.

WINLPG is all about networking, and even though we have not been able to physically meet in this most challenging of years, I am proud that we have nevertheless still been able to put together platforms that enable women – and men – in our industry to connect virtually, exchange and learn, whether our first global webinar or the ever-expanding group of national chapters. I would like to thank the industry for the immense support given to this most important of networks.

Paula Frigerio
Chief Innovation & Development Officer
Abastible
WINLPG Global Chair

Woman of the Year Award & Young Woman of the Year Award

In 2018, WINLPG launched the Woman of the Year Award to recognise women who have made an important contribution to the LPC industry or who demonstrate significant motivation or show support for the cause of diversity, and who have enjoyed unparalleled career success. In 2019, WINLPG also launched a Young Woman of the Year Award to recognise women under the age of 30 who have made a contribution to the LPC industry or who demonstrate significant motivation.

WINLPG is delighted to announce that the winner of the Woman of the Year Award 2020 is Zhanar Gilimova, LPC Commercial Manager at Tengizchevron in Kazakhstan. WINLPG is equally delighted to announce that the winner of the Young Woman of the Year Award 2020 is Marcela Rosado Orellana, Senior Business Development Analyst, Ultraz, Brazil.

This year, WINLPG also announced an exceptional Outstanding Achievement Award to Natalie Peal, owner and publisher of BPN Magazine in the USA. When Natalie began her career she was one of only a handful of women working in the propane industry. As publisher of an industry trade magazine for a male-dominated industry, Natalie dedicated her career, and her publishing platform, to championing opportunities for women. WINLPG felt that this career achievement deserved independent recognition. WINLPG also celebrates and congratulates the runners-up in the first two categories. Woman of the Year 2020 Runner-up is Christina Armentano, Executive Vice President, Parco Gas in the USA and Runner-up of Young Woman of the Year is Mourad Amani Faycal, Domestic Gas Distributor of Société Coopérative des Femmes in Cameroon.

The WINLPG Management Team is:

Paula Frigerio, WINLPG Global Chair
Alison Abbott, WINLPG Global Manager
Nikki Brown, WINLPG Global Coordinator

6 national chapters
(Colombia, India, Myanmar, Nigeria, South Africa, USA)

+2,000 members

+20 high level corporate and individual Ambassadors

30 inspirational role model profiles
Becoming Women of the year 2020 was a very pleasant surprise to me. I proudly share this recognition with my team, a highly dedicated professionals, and hope that it will inspire many others to perform, deliver and be accountable for ambitious decisions. However, one can only do that with a strong trustful and diverse team, which I’m proud to have.

Zhanar Gilimova,
WINLPG Woman of the Year 2020

This award means a lot to me for being only 25 years old and representing young people and women who promote changes in our sector. The LPG industry is reinventing itself and I believe there is space for everyone, especially for women. Through this award, I hope to be able to inspire and motivate others promoting a more inclusive, diverse, sustainable and innovative ecosystem. We need these movements and count on us, women, to make gender equality in management a reality.

Marcela Rosado Orellana,
WINLPG Young Woman of the Year 2020

I am honoured beyond words to have been chosen to receive WINLPG’s Inaugural Outstanding Achievement Award. Propane and this industry’s special people have always been a part of my life. Over the years, I hope I have helped women feel more comfortable in this male dominated industry.

Natalie Peal, WINLPG
Outstanding Achievement Award 2020

PROMOTING YOUTH IN THE INDUSTRY

Lack of youth in the industry has been identified as an area of the business that merits increased attention. This year, WLPGA launched a Diversity Census which was sent to all members.

The goal of the census is to create a complete understanding of the status of women and youth in the LPG industry, as well as activities being undertaken to promote diversity and inclusion today. All the data has been collated and analysed and this will form the basis of a roadmap of recommendations for inclusion of youth in the LPG industry, and will help the well-established Women in LPG Global Network (WINLPG) with its planning in order to achieve its goals going forward. The resulting report (Q1 2021) will also act as a benchmark for the industry which will be re-evaluated every three years. It will enable our industry to assess the current situation, propose a roadmap and over time, evaluate how we have improved as in industry.
GOAL

INNOVATION & GROWTH

2020
Innovation, promotion of new technology and new applications: industry leading reports and raising awareness of all of these elements are indispensable for business growth.

IGO has a focus on identifying and promoting innovation in technology: identifying and growing new business sectors such as marine and bioLPG which were the main focus this year, and continuing growth in more established markets with potential such as Autogas, cooking and power generation. For the LPG industry to flourish in an environment characterised by aggressive decarbonisation targets and policy aspirations for the rapid electrification of everything, the industry must have immediate solutions. Demonstrating the viability of renewable LPG as a long-term energy alternative is therefore a key priority.

Innovation for Growth Summit, Washington DC, February 2020

The WLPGA Innovation for Growth Summit took place at the Conrad Hilton Hotel in Washington DC and was co-hosted by the WLPGA, the National Propane Gas Association (NPGA) and Propane Education and Research Council (PERC). The event welcomed more than 150 attendees from over 20 countries.

The highlights and key takeaways were the industry coming together to focus on the ability to adapt and innovate in order to remain competitive in fast-changing world. Discussions focused on new applications and innovations in all segments of the industry. As a senior member of the LPG industry said, “That was the best event I have ever been in my career”, this event also highlighted the ability of the industry, NPGA, PERC and WLPGA to get together and host such a fantastic global event.

We are facing a tsunami of change within our industry. COVID-19 made our customers realise the true importance of LPG in allowing home warming, and healthy cooking could continue even in the remotest places. Despite the pandemic, the world continues to march down the path of decarbonisation. In this regard we have established on renewable LPG the “possible” from a technology perspective, and now it is time to engage with policy makers and refineries alike to ensure we are included in the dialogue when both new energy related mandates, and production focussed investments are made. It is also critical to remember that today we are a healthy and thriving industry with many tremendous initiatives being brought to market, helping to promote a very buoyant global business grow further, based upon our drive to keep innovation at the top of our priorities.

I am excited by the prospects to be realised in 2021 in the innovation and technology areas as we change and grow to a more future proofed business.

LPG as Marine Fuel

For the WLPGA marine activities, 2020 was a milestone year. The new IMO2020 regulations on sulphur cap effective from January 2020, and the IMO CHG Strategy 2050, put strong pressure on the shipping industry to reduce pollutants and the need to decarbonise. The use of LPG as a marine fuel emerged as an even stronger solution for the shipping industry and brought the role of WLPGA with its marine activities even higher in the eyes of the shipping world.

WLPGA organised and participated in several shipping events, and the association was awarded the prestigious Green4Sea award as a recognition of its efforts to promote and drive the adoption of LPG as the future alternative marine fuel and its “LPG Bunkering. Guide for LPG Marine Fuel Supply” report.

Neil Murphy
VP Business Development
UGI International &
IGO Goal Chair
The most important milestone, however, was the launch of the first-ever LPG powered VLGC, the BW Gemini from BW LPG, which opens a completely new chapter for clean shipping. An additional 40 other vessels, new or retrofits are in preparation, with estimates that by 2028, all new LPG carriers could be LPG fuelled.

WLPCA’s activity in the marine sector has provided significant exposure with international media, and established the association as a centre of focus on this developing market in the shipping world.

LPG in Agriculture and Farming Report

A new sectoral report was produced to cover all the possible uses of LPG in the agricultural sector. It includes a scan of the market and its characteristics, why and where to use LPG, the various agriculture and farming applications, technology development, environmental and regulatory aspects. It also includes information about potential market barriers and what drivers could help increase LPG penetration.

Renewable LPG (rLPG)

The development of rLPG is arguably one of the most important activities of the industry to ensure its future in the decarbonised world of tomorrow. As part of the WLPCA three-year Strategic Review, the IGO Coal has the ambitious task to “Demonstrate the credibility of meeting at least 50% of 2050 non-chemical LPG demand with rLPG.”

A steering committee of senior industry leaders was created along with a working group of over 30 members, a terms of reference and work plan were developed and agreed. The various technologies for the production of rLPG were investigated and the specific process paths were analysed and prioritised on agreed criteria. In parallel, external funding opportunities were sought and in particular those related to European funding mechanisms.

An additional process path was also identified, the production of rLPG from the Alcohol to Jet process. This path is very promising bearing in mind the large future demand from the airlines industry. A new specific “Alcohol to Jet Stakeholder Report” was produced with Atlantic Consulting which explores opportunities that arise from this technology and the growth of biojet fuel demand from the aviation industry.

As a first step towards the demonstration of the 2050 rLPG worldwide production capability, a first attempt was completed on the European market and managed by Liquid Gas Europe. This report demonstrates that technically, in Europe, it is possible that 100% of the market demand can be covered by rLPG by 2050. However as other factors also play a major role, a new study has already been initiated to cover economic aspects impacting the decisions of producers and refineries, that can affect future production volumes.

WLPCA also participated in conferences and events related to renewables, and engagement with the International Energy Agency (IEA) provided additional visibility of renewable LPG to the energy world, opening promising cooperation opportunities.
Communicating on Air Quality and Autogas

2020 provided a tremendous opportunity to link Autogas to the clean air discussions taking place during the COVID-19 global lockdowns. The WLPGA conducted a six-week promoted Twitter campaign in ten key markets in order to position Autogas as an immediate solution to maintain clean air. The campaign included new and engaging content, including a clean air video, which was viewed 63,800 times. The campaign successfully reached over 635,000 target Twitter users, and drove traffic back to Autogas.net.

As part of the communications campaign on Autogas and air quality, we also included a media element by placing an op-ed on an influential EU-based publication, the EU Energy Post, on Why Autogas Could Help Us All Breathe More Easily. The article was published on all WLPGA social media channels for further exposure.
Market Development for Autogas

Autogas continues to be the number one unblended alternative to conventional fuels for cars.

The Autogas fleet continues to grow unabated: there are now almost 27.8 million Autogas vehicles in use around the world.

Global consumption of Autogas has increased steadily over the last two decades, reaching a new high of 27.1 million tonnes in 2019 – an increase of 1% over the previous year.

Autogas use is still concentrated in a small number of markets: five countries – Turkey, Russia, Korea, Poland and Ukraine – together accounted for just under half of global Autogas consumption in 2019.

WLPGA, in cooperation with Liquid Gas Europe, published the 2020 edition of the Autogas Incentive Policies report. This edition covers 25 markets and provides key information on incentives for LPG and other alternative fuels. This new edition reaffirms the correlation between price and market growth. Financial attractiveness depends on how long the payback period will take for the consumer to be compensated for the upfront cost (vehicle purchase or conversion).

An overview of the Autogas global market, including challenges and opportunities, was presented at several events including IHS Markit, International NGLs & Feedstocks, Pakistan Workshop Webinar, Gasco Oportunidades y Desafíos Para El Gas Veicular en Chile, and Amegas CLP Congreso Internacional 2020 (October).
UNHCR/WLPGA partnership

Two years ago, the WLPCA formed a partnership with the UNHCR to support the agency in transitioning refugees away from wood to LPG. The partnership included a ‘heads of agreement’ between both parties and the UNHCR becoming Observer Members of the WLPCA. The initial focus of attention was in Bangladesh where nearly one million refugees had arrived from Myanmar. Within weeks the surrounding areas were being denuded of vegetation as the refugees sought wood for their primary cooking fuel. Two years later the whole refugee population are using LPG instead of wood and the countryside has recovered.

WLPCA members Total and Omera were contracted to supply the refugee camps and the host communities in the surrounding areas. Apart from improving the health conditions by eliminating the indoor smoke inside the shelters and reducing the deforestation around the camps, the programme also delivered a bonus by increasing the Food Diversity Index of the refugees allowing them to eat a wider variety of healthier foods and increasing their vitamin intake.

During a 15 minute e-LPC Snapshot video, Steve Corliss head of the UNHCR in Bangladesh, explained some of the challenges that the UNHCR faced in transitioning the refugees from wood to LPG. He expressed his appreciation to the WLPCA for their support during the transition to LPG and looked forward to similar cooperation as the UNHCR planned to roll out the programme in other countries.

WLPCA has produced a case study detailing the collaboration. Click here to read more.

For more information about the UNHCR/WLPCA partnership contact David Tyler dt Tyler@wlpga.org or Steve Corliss corliss@unhcr.org

Thank you, WLPCA, for all the support that you have provided to us. We’ve been an observer with the WLPCA since 2018. We have an agreement that provides a good framework for our collaboration. I know that you have personally been on the ground at Cox’s Bazar so you have seen the challenges that we face and the tasks that we have undertaken and I don’t think we could have done it without you. So to you and your members. I want to thank you very much for your support and we do look forward to that collaboration in the future because it has measurable benefits for refugee populations – protection, health, livelihoods, nutrition, education – it’s really at the fulcrum of many of the concerns we have for refugees in the world. Thank you so much.

Steve Corliss
UNHCR Representative in Bangladesh
Communications is the golden thread that weaves through the entire body of work that WLPGA produces and is a critical area of WLPGA activities. Communications outreach ultimately impacts all of the work undertaken by the association and is instrumental in ensuring that the LPG community and beyond, are equipped with content and collateral to help us all speak with one common, united voice.

WLPGA produces world-class collateral including ready-to-go sector specific toolkits to help save you time and investment, and align the industry's worldwide visibility. This all sits beneath the well-established LPG umbrella brand, Exceptional Energy.

WLPGA also runs specific cropped campaigns focusing on issues and opportunities facing the energy industry so that LPG has a voice, such as marine and power generation.

#LPGDay

We also like to have a little fun, so join the global LPG community on 7th June every year to celebrate LPG! We invite you to get creative, join the community and collaborate on our very own day of celebration.

LPG Talks
Tune in on Tuesdays!

In April, WLPGA launched LPG Talks, a new podcasts series featuring industry leaders. LPG Talks is a brief, but punchy bi-weekly podcast which addresses key issues, challenges and opportunities facing our industry. Tune in for each new podcast and check out Twitter (@worldlpgassoc) for the latest podcasters.

LPG Talks Live!

To complement LPG Talks, WLPGA launched ‘LPG Talks Live’ in conjunction with Industry Council member Anova. These bi-monthly, free to attend webinars will take a more in-depth look at trending topics in a ‘fireside chat’ ambience giving you the opportunity to take part.
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<td>e-LPG Week</td>
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<td>WLPGA Board, Industry Council &amp; Member Engagement Meetings</td>
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<td>IHS Markit Latin America Conference</td>
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<td>Riviera Marine LPG, the Green Pathway Demystified</td>
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<td>Informa Gas Shipping</td>
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<td>New Zealand LPG Association ACM</td>
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<td>Gas Shipping Virtual</td>
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<td>Riviera Marine, Marine Fuels</td>
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<td>International DME Association Webinar</td>
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<td>ICU Council Meeting</td>
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<td>December</td>
<td>Liquid Gas Europe Policy Event</td>
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<td>Philippines WLPGA Good Industry Practice Workshop</td>
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<td>IMO Meetings, HNS</td>
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<td>UN Meeting, Transport of Dangerous Goods</td>
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The WLPGA team is supported and assisted by the Board of Directors and the Industry Council. This ensures that members are fully represented in the activities and strategies of the association, whilst also assuring that the WLPGA can truly speak as a unified and coherent voice for the industry.

The WLPGA Board is composed of a President, a First Vice-President, a Treasurer, three Vice-Presidents, and up to five other Board members. The current Board was elected at the General Assembly of November 2020. The Board composition is representative of the business activities and geographic diversity of WLPGA members.

The Board meets three times a year to agree the budget and approve the accounts for ratification by the General Assembly. The Board has an overall governance role for the association as defined under French law.
The WLPGA Industry Council was inaugurated in 1996 and is composed of leading companies in the LPG business. The Industry Council directs the association’s actions by identifying issues, developing strategies, and formulating projects. The Industry Council also makes recommendations to the WLPGA Board of Directors.

Actions launched by the Industry Council aim at enhancing the positive image of LPG worldwide and promoting LPG use to satisfy the growing need for an all-purpose, efficient, and environmentally friendly fuel. Whether focused on specific market segments or the LPG industry in general, the Industry Council’s actions are designed to increase the worldwide use of LPG.
WLPGA TEAM

James Rockall
CEO and Managing Director

Michael Kelly
Chief Advocacy Officer and Deputy Managing Director

Alison Abbott
Marketing & Communications Director

Esther Assous
Events Director

Nikos Xydas
Technical Director

Filipa Rio
Sustainable Mobility Director

Camille Pieron
Digital Communications Manager

Mimi Brasseur
Communications Assistant

Audrey Ginsz
Office Manager and Member Relations Manager
WLPGA produces a wealth of industry-leading reports, case studies, and related materials, much of this is freely available to the global LPG community. So how and where can you access all this data?

Here we explain the various LPG platforms, what is available where, and for whom:

**www.wlpga.org**
The WLPGA website is the main platform to learn about LPG as an Exceptional Energy, the association, its main activities and campaigns, and freely access all publicly available reports and videos.

**www.lpg-apps.org**
LPG-Apps is the unique online database cataloguing the hundreds of applications for LPG around the world.

**www.extranet.wlpga.org**
The Members’ Area is a password-protected portal that is available to anyone who works for a member organisation. Here you can find specific technical reports, member-only reports, minutes from WLPGA internal meetings (Industry Council, Association Executives Meetings, General Assembly, Member Engagement Meetings), the members’ directory, a shareable photo library to help illustrate your own collateral, discounts for global LPG events and more.

For more information, contact aginsz@wlpga.org

**www.mywlpga.wlpga.org/login**
This specific portal is housed within the Members’ Area and is for member administration contacts. Here you can register for WLPGA internal meetings, update your organisation details, check your fee payment status, and pay your membership fees online. Access requires another password and one access is given to each member so that there is one single admin user.

For more information, contact aginsz@wlpga.org