

AUTO LPG COMPARED TO



CNG

SIMILAR AND LOW NOX,
CO, HC EMISSIONS
13% LOWER CH4 EMISSIONS
54% LOWER PM LEVELS
LOWER CO2 EMISSIONS



PETROL / E10

SIMILAR AND LOW LEVELS OF NOX,
CO, NMHC AND THC EMISSIONS
51% LOWER PM
UP TO **21% LOWER CO2 EMISSIONS**



DIESEL

74% LOWER NOX IN AVERAGE
81% LOWER PM EMISSIONS
LOWER CO2 EMISSIONS

LPG HAS A GLOBAL WARMING POTENTIAL FACTOR OF ZERO

ACCORDING TO THE UN INTERNATIONAL PANEL ON CLIMATE CHANGE (IPCC), LPG IS NOT A GREEN HOUSE GAS, MEANING IT IS ASSIGNED A GLOBAL WARMING POTENTIAL (GWP) FACTOR OF ZERO.

THE GWP FACTOR OF CO2 IS 1 WHILE THAT OF METHANE IS 25. IN COMPARISON TO MOST HYDROCARBONS, LPG HAS A LOW CARBON TO HYDROGEN RATIO, WHICH MEANS THAT IT GENERATES LOWER AMOUNTS OF CARBON DIOXIDE PER AMOUNT OF HEAT PRODUCED..

NEGLIGIBLE PM 2.5 EMISSIONS..

EMISSIONS OF HARMFUL NITROGEN OXIDES (NOX) AND HARMFUL PARTICULATE MATTER PM 2.5 ARE ALSO NEGLIGIBLE FOR AUTO LPG.

NOT ONLY DOES THIS MAKE AUTO LPG A CLEANER TRANSPORT FUEL CHOICE THAN PETROL AND DIESEL BUT ALSO AS COMPARED TO CNG.

AUTO LPG IS GROWING



LPG IS THE MOST WIDELY USED ALTERNATIVE FUEL IN THE WORLD

GLOBAL CONSUMPTION OF **AUTO LPG** HAS RISEN BY OVER **40%** OVER THE PAST 10 YEARS



AUTO LPG IS AVAILABLE

8 OF THE 10 LARGEST CAR MANUFACTURERS IN THE WORLD PRODUCE LPG POWERED CARS



27 MILLION VEHICLES AROUND THE GLOBE



RUN ON AUTO LPG ACROSS 70 COUNTRIES



BIO LPG PRODUCED PRIMARILY FROM **WASTE & RESIDUES** IS BECOMING AVAILABLE

LOWERING BY UP TO **80%**



CO₂

LPG HAS CLEAN ORIGINS

60%

60% IS RECOVERED DURING THE EXTRACTION OF NATURAL GAS

AND IT IS EXPECTED TO INCREASE IN THE FUTURE



Indian Auto LPG COALITION

Fuelling a *greener* future

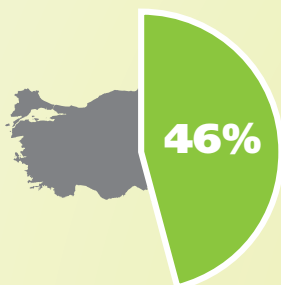
Auto LPG is **CONVENIENT**



MANY GOVERNMENTS
PROMOTE AUTO LPG
MAKING IT A VERY
COST EFFICIENT FUEL



IN **TURKEY**,
MORE THAN 46%
OF **PRIVATE CARS**
NOW RUN ON
AUTO LPG*



**LOWER
TAXES**

SEVERAL COUNTRIES AND CITIES OFFER
REDUCED ROAD TAXES
AND **FREE PARKING** FOR LPG CARS



AND REFUELLING IS
CLEAN & EASY



**AUTO LPG
TANKS ARE
COMPACT**

AND **EASILY INTEGRATED**
IN THE CAR WITHOUT LOSS OF TRUNK SPACE

Auto LPG is **SAFE**



STRICT STANDARDS AND **REGULATIONS**
SET BY **EXPERTS** IN RECOGNISED ORGANISATIONS FOR EXAMPLE
THE EUROPEAN UNION AND NATIONAL GOVERNMENTS



COMPONENTS
ARE **THOROUGHLY TESTED** BY INDEPENDENT
LABORATORIES, **BEFORE** ENTERING THE MARKET

**WIDELY USED BY GOVERNMENTS
AND THE PRIVATE SECTOR**

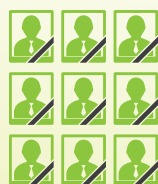


USED BY **TAXIS**,
POLICE CARS,
AMBULANCES,
DRIVING **SCHOOLS**
AND **RENTAL CARS**,
EVEN **RACING CARS**

**ADDITIONAL
SOURCES OF
LPG**

ARE COMING
ONLINE AND
**SUPPLY IS
SECURE**
IN THE LONG TERM





CAUSES
**3.7 MILLION
DEATHS,**
EACH YEAR



AFFECTS
**1600
CITIES**
WORLDWIDE



IN INDIA **650,000**
PEOPLE **DIE** EACH YEAR
DUE TO **AIR POLLUTION**

TRANSPORT IS A MAJOR SOURCE OF OUTDOOR AIR POLLUTION



70%



OF THE AIR POLLUTION
CAUSED IN CHINESE CITIES IS DUE TO
EXHAUST EMISSIONS



PRIVATE CARS ACCOUNT FOR **LESS THAN
1/3 OF TRIPS** IN CITIES WORLDWIDE,
BUT ARE RESPONSIBLE FOR **73%**
OF **URBAN AIR POLLUTANTS**

Auto LPG is **CLEAN**



GOVERNMENT POLICY
**ENCOURAGING
THE USE OF
AUTO LPG**
CAN RAPIDLY LEAD TO
**IMPROVED
AIR QUALITY**
IN CITIES



LPG IS TRANSPORTED AS A
LIQUID BUT HAS ALL
**THE BENEFITS
OF A GAS**

Why Auto LPG ?

AUTO LPG

THE RIGHT
ALTERNATE FUEL
FOR INDIA



VERY LOW RUNNING COSTS



- ALMOST 40% CHEAPER THAN PETROL
- CHEAPER THAN DIESEL

...INSPIRE OF AUTO LPG NOT BEING A SUBSIDIZED FUEL..

ITS JUST SO CONVENIENT!



VERY LOW REFUELING TIMES,
JUST AS IN PETROL OR DIESEL



NO WAITING IN REALLY... LONG
QUEUES!!

TREMENDOUS SUPPLY SECURITY

ABUNDANT SUPPLIES
AVAILABLE GLOBALLY

HUGE LPG TERMINALLING
CAPACITIES NOW
AVAILABLE IN INDIA

PAN INDIA AVAILABILITY



Auto LPG is already available
across 500+ Cities & Towns
across India with more than 1200
Stations



Southern Indian Cities like
Bangalore, Chennai, Hyderabad
lead the pack in Auto LPG
adoption

GLOBALLY PROVEN

27 million vehicles
running on Auto LPG

80,000+ retail Auto LPG
Stations worldwide

26 million tonnes of Auto
LPG consumed annually

70+
NATIONS
USE AUTO LPG
TO CLEAN THEIR AIR



AUTO LPG GLOBALLY

40% of all private cars
in Turkey run on LPG Autogas

School Buses In Texas
run on Auto LPG

Ambulances in Spain
run on Auto LPG

Taxis in South Korea,
Japan run on Auto LPG

VARIED SOURCES OF LPG

NATURAL GAS

REFINING

BIO LPG

VERY VERSALTILE



2 Wheelers



3 Wheelers



4 Wheelers



Medium Duty



Heavy Duty

Why Auto LPG ?

VERY LOW COSTS OF CONVERSIONS



Can convert a 4-wheeler to Auto LPG for as low as Rs 35,000

VERY LOW STATION COSTS...FOR AUTO LPG

Can be set up at just a fraction of the cost of a CNG Station

AUTO LPG STATION CAN BE SET UP QUICKLY



Less than 60 days required to set up an Auto LPG Station after receiving all statutory approvals

AUTO LPG CAN BE DEPLOYED ACROSS THE COUNTRY QUICKLY!

If government puts Auto LPG on agenda, nation wide network can be developed quickly...

No need to wait for the next 20 years for charging infrastructure to develop PAN India and for better battery technologies to develop. Auto LPG is available today

ALMOST ALL LEADING OEMs GLOBALLY - OFFER AUTO LPG VARIANTS



Almost all Leading OEMs Globally - offer Auto LPG Variants

8 OF THE 10 LARGEST CAR MANUFACTURERS IN THE WORLD PRODUCE LPG POWERED CARS

AUTO LPG FOR INDIA

- Clean • Proven • Secure Energy for India-Huge Supplies Available Globally
- 500+ Cities Covered
- Convenient, Quick Refueling • Low Infrastructure Costs
- Very Low Running Costs Upto 40% lower than Petrol • Low Conversion Costs

AUTO LPG: VIABLE, SCALABLE & AVAILABLE TODAY..!

"Cannot sacrifice air quality for kids today assuming - with certainty - that the aspirational roadmaps set for other alternate fuels shall fructify in distant future."



Why Auto LPG ?

- **Improves Air Quality significantly & Combats Climate Change**
- **Over 27 million vehicles run on Auto LPG worldwide.**
- **3rd Most Used Automotive fuel globally.**
Auto LPG is the third most used Automotive fuel globally, after Petrol and Diesel.
- **Safe**
Stringent standards and regulations in place. Proven, impeccable safety record.
- **60% of global LPG production is obtained from Natural Gas**
- **Quick Installation**
LPG refueling infrastructure can be installed within 3 months, in comparison to CNG infrastructure which would take years to give that kind of coverage.
- **Low Costs of Infrastructure & Kits**
Cost of installation of LPG Vs CNG outlets is a no brainer, with LPG at about Rs 50 Lacs and CNG running into Crores, even without factoring in the cost of CNG pipelines.
- **Huge ALDS Network/ City Coverage and Growing...**
Tremendous coverage already. Auto LPG is already available in more than 500 Indian Towns and Cities with more than 1200 + stations. Most widely available alternate fuel.

Indian Auto LPG Coalition Referenced in Parliament

LOK SABHA
UNSTARRED QUESTION NO. 2220
ANSWERED ON 24th DECEMBER, 2018

Level Playing Field to LPG
2220. SHRIMATI K. MARAGATHAM:

Will the Minister of
PETROLEUM AND NATURAL GAS be pleased to state:

(a) whether it is a fact that the apex body of auto LPG suppliers has urged the Government to give them a level playing field as LPG is as effective as CNG in curbing vehicular pollution;

(b) if so, the details there of;

(c) whether the Government allows city gas operators a choice of CNG and auto LPG outlets to increase the existing 1,200 auto LPG outlets available at present and if so, the details there of; and

(d) whether it is also true that LPG as a fuel in automobiles is clear than CNG as it is easier to handle and if so, the details there of ?

MINISTER OF PETROLEUM AND NATURAL GAS
(SHRI DHARMENDRA PRADHAN)

(a), (b) & (d) Indian Auto LPG Coalition (IAC), a body setup for promotion of Auto LPG Industry in India, had sent a representation to the Ministry of Petroleum & Natural Gas requesting for support for effecting a fast and sustainable rollout of Auto LPG in the country. This Ministry has requested Ministry of Road Transport & Highways for simplification of Type Approval Norms for LPG and CNG fueled vehicles under Central Motor Vehicles rules, issuance of advisory for commercial/Government owned vehicles to mandate conversion to Auto LPG in 188 cities and assure Original Equipment Manufacturers of government's support to Auto LPG as one of the cleaner fuels and encourage them to support cleaner fuels by launching Auto LPG variants.

(c) As per existing practice, Auto LPG Dispensing Stations (ALDS) are currently commissioned at existing Retail Outlets of OMCs and the OMCs are presently operating 663 ALDS across the country. Further, there are 1477 CNG stations across the country as on 01.10.2018 operated by different entities.

AUTO LPG : Promise for a Cleaner Air

AUTO LPG COMPARED TO



CNG

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CO, HC EMISSIONS
13% LOWER CH4 EMISSIONS
54% LOWER PM LEVELS
LOWER CO2 EMISSIONS



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LOWER CO2 EMISSIONS

AUTO LPG: THE WORLD

About 60% of the World's LPG output is from natural gas processing and only 40% comes from crude refining resulting in an increased energy security for nations like India.

More than 27 million vehicles run on Auto LPG globally, supported by close to 80,000 LPG Filling Stations. Global Auto LPG consumption exceeds 27 Million Tonnes, in comparison to India still at about 0.42 Million Tonnes level. South Korea leads the world in the usage of this clean auto fuel with sales of more than 3 million tonnes annually. More than 70 countries use Auto LPG in vehicles to help clean their urban air and clean environment. Among the Key nations that have successfully adopted this green fuel for their transportation requirements are South Korea, Turkey, Poland, Japan, Australia, Italy, Mexico, Russia & China.

Low costs of infrastructure and conversion, easy availability, versatility of use and of course, an impeccable safety record makes Auto LPG the only viable, un-adulterable and environment friendly alternative auto fuel in India.

WHAT IS LPG?

LPG is a clean, high octane, abundant and eco-friendly fuel. LPG is obtained both from natural gas processing through fractionation and from crude oil refining. It is a mixture of petroleum gases like Propane and Butane.

LPG is a gas at atmospheric pressure and normal temperatures, but it can be liquefied when moderate pressure is applied or when the temperature is sufficiently reduced. This property makes LPG an ideal energy source for a wide range of applications, as it can be easily condensed, packaged, stored and utilised. When the pressure is released, the liquid makes up about 270 times its volume as gas, so large amounts of energy can be stored and transported compactly.

AUTO LPG- IN INDIA

Auto LPG is available in India at more than 1200 stations across 500 cities already. Owing to reduced LPG prices globally, Auto

LPG has remained at about 40% lower than petrol in running costs. Almost 2.4 million vehicles are estimated to be running on Auto LPG in India. Auto LPG continues to do extremely well even in cities that have had CNG presence. Cities like Bangalore, Hyderabad, and Chennai continue to lead the pack in Auto LPG adoption.

AUTO LPG- LOW EMISSION BENEFITS

1. LPG impacts greenhouse emissions lesser than any other fossil fuel.
2. LPG is a clean burning, high octane and an environment friendly fuel.
3. Studies have consistently indicated that LPG vehicles emit significantly lesser pollution than their diesel and petrol counterparts for almost all pollutants like PM, NOX, CO2 and others.

ADVANTAGES OF ALPG

1. Can be used in Passenger cars, three wheelers and even two wheelers.
2. Can be easily transported and stored in stand-alone facilities.
3. LPG is pressurized as 7-10 bars as against 200 bars for CNG, which makes LPG a safe and conventional fuel.

HOW SAFE IS LPG IN AUTOMOBILES ?

Unlike CNG, which is pressurized at 200 bars, LPG is pressurized at just 5-7 bars, which makes it as safe as conventional fuels. Automotive use of LPG has an excellent safety record and various crash tests and fire tests have proved that, owing to the strength and integrity of the fuel tank, it is safer than petrol and at par with diesel. The conversion of vehicles to LPG has, of course, to be undertaken by a competent person working in accordance with the prescribed standards.

Key Initiatives & Other Events



IAC OEM WORKING GROUP MEETING HELD IN NEW DELHI - NOVEMBER 2019



IAC ANNUAL GENERAL MEETING, AUGUST 2019



Key Initiatives & Other Events



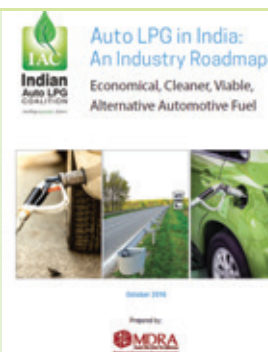
IAC BEING FELICITATED AT GOODAIR SUMMIT 2019

Cabinet Minister for Petroleum & Natural Gas Shri Dharmendra Pradhan discussing the usage of Auto LPG in two-wheelers with IAC Director-General Mr. Suyash Gupta along with Secretary Petroleum Mr. K.D. Tripathi, Chairman Indian Oil Mr. B. Ashok & President WLPGA Yagiz Eyuboglu.



INDIAN AUTO LPG ROADMAP:

IAC commissioned a research study to prepare a roadmap for bringing Auto LPG as a mainstream automotive fuel in India. The study aims to assist IAC in positioning Auto LPG as a reliable, alternate automotive fuel and to recommend short, medium and long term objectives and goals which the Coalition and Industry should work towards. The study is being undertaken by one of the rating agencies listed under the Petroleum Control Order, having a significant, continued engagement with the Auto LPG Industry.

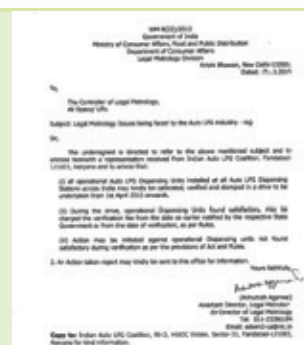


ONGOING SOCIAL MEDIA CAMPAIGN :

With more than 1,70,000 page likes, IAC's Facebook page at <https://www.facebook.com/autolpg> remains a key resource for dissemination of ALPG messages to reach out to at least as many customers directly and several thousand more, indirectly. The page is updated regularly with key developments in Auto LPG industry globally. Thus, helping IAC spread the ALPG message.

LEGAL METROLOGY ISSUES:

Your Coalition followed up on the issue of penalization of both the PSU and Private Sector Auto LPG Marketers, particularly in a specific state. IAC took up the matter vigorously with Additional Secretary, Ministry of Consumer Affairs, as well as with the Director of Metrology, GOI. Subsequent to diligent follow ups, your coalition was able to successfully get an advisory issued by the concerned Ministry.



Key Initiatives & Other Events



FULL COMPLIANCE TO COMPETITION LAWS OF THE COUNTRY AND ANTI-TRUST GUIDELINES:

IAC Director General Suyash Gupta confirmed that all IAC meetings have been and would be, carried out in full compliance to the competition laws of the country. At no point during the meeting, shall any issue be discussed which directly or indirectly refers to the prices or margins.

IAC'S SLP IN HON'BLE SUPREME COURT:

Subsequent to an apparently erroneous judgment of Hon'ble Gujarat High Court asking all vehicles to mandatorily convert to CNG, IAC filed an SLP in Supreme Court asking for a review of the HC judgment, with a plea to also include ALPG as a clean, alternate gaseous fuel. Hon'ble SC referred the matter to the HC, which is being followed up vigorously at Gujarat HC.

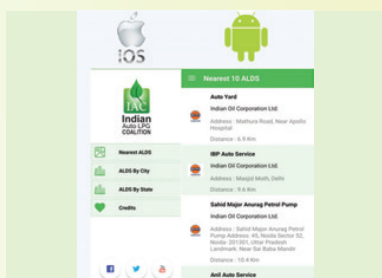


SHORT FILM TO PROMOTE AUTO LPG.

An ALPG promotional ad film was completed by IAC and released in Hindi and dubbed in Bangla, Kannada, Tamil, Telugu and Malayalam. Released on You Tube at <https://www.youtube.com/indianautolpg>, the film was well received by both the Coalition members as well as in social media.

SMS CAMPAIGN IN TOP 15 ALPG CITIES REACHING OUT TO MORE THAN 15 LAKH VEHICLE OWNERS.

A targeted SMS Campaign was undertaken to spread awareness of Auto LPG in 15 cities being Bengaluru, Kolkata, Hyderabad, Chennai, Delhi NCR, Mumbai, Ahmedabad, Nasik, Pune, Secunderabad, Jaipur, Chandigarh, Madurai, Coimbatore and Indore. Campaign received good response and conversion enquiries thus received, subsequent to these messages were forwarded to the IAC Kit industry members.



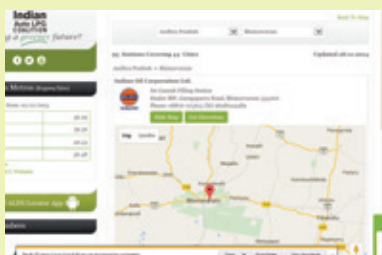
DEVELOPMENT OF ALDS LOCATOR APP.

The application has been launched on iOS & Android platform to display a list of ten nearest auto LPG Stations with a link of driving directions to these filling stations, using Google Maps. The application is free for download for all consumers and has received very good reviews from Auto LPG customers.

Key Initiatives & Other Events

ALDS DIRECTORY. LAUNCHED BY PRESIDENT, IAC

IAC launched the National ALDS Directory, electronic PDF version of which is available for download at IAC Website



INTEGRATION OF GOOGLE MAPS WITH IAC WEBSITE.

For users wanting to navigate to nearest Auto LPG Dispensing Station location without installing any App; IAC Website is fully integrated with Google Maps for navigation to nearest ALDS using their mobile phone browser.

AUTOMOTIVE FUEL POLICY:

IAC engaged closely with various ministries on the subject and was successful in obtaining a reasonable mention in The Auto Fuel Policy 2025 now hosted on the Ministry of Petroleum and Natural Gas (MoPNG) Website. You may be aware that your Coalition continues to be a member of “Central Motor Vehicle Rules- Technical Standing Committee” (CMVR-TSC), “Standing Committee on Emission Legislation” (SCOE), & TED26 (Bureau of Indian standards), Government of India and engages closely with Ministry of Road Transport & Highways towards its mission of ensuring the development of safe and sustainable Auto LPG regime in the country.



WLPGA-IAC SUB CONTINENT REGIONAL SUMMIT :

The World LP Gas Association, in collaboration with IAC, organized its first ever Sub-Continent Regional Summit “LP Gas: Exceptional Energy for the Sub-Continent” and the WLPGA Good Industry Practices Workshop on February 15 and 16, 2012 in New Delhi. Over 250 participants from more than 30 countries attended the two days of events making this one of the most successful LP Gas Events in India and WLPGA Regional Summits ever held. The Event was cohosted by IAC and supported by Indian Oil Corporation Limited, Bharat Petroleum Corporation Limited, and Hindustan Petroleum Corporation Limited. The event was inaugurated by Shri. Sudhir Bhargava, Addl. Secretary, Ministry of Petroleum and Natural Gas with a keynote address by Shri. R.S. Butola, Chairman, Indian Oil Corporation Limited along with Mr. Ramonde Luis Serrano, President, WLPGA and Mr. James Rockall, MD, WLPGA at the Summit. The event also featured a special Key note Address by Shri. Nandan Nilekani, Chairman, Unique Identification Authority, India.



TWITTER:

IAC Twitter handle at <https://twitter.com/indianautolpg> tweets regularly covering Auto LPG Developments.

Key Initiatives & Other Events

IAC WEBSITE REVAMP:

IAC Website, even though top ranking on most search engines, had earlier been redesigned for optimal resolution for laptops and desktops. However, keeping in view the fact that many users access internet through their smartphones, a revamped website was launched with a responsive design to adapt to the user screen for tablets and mobile phones.



BOOKLET ON SAFE PRACTICES / CHECKLIST FOR LPG OPERATED VEHICLES :

With the growing popularity of Auto LPG vehicles in India and taking into consideration that most of the cars are retrofitted, a need was felt to educate ALPG consumers and also the Transport Department officials on various aspects to safe fitment and usage of this alternate fuel in Vehicles. To help in this initiative a "Booklet on Safe Practices / Checklist for LPG Operated Vehicles" was prepared by IAC in coordination with ARAI. This booklet was released by Mr. S.D. Shinde, Transport Commissioner- Maharashtra in Aurangabad during the Seminar on "Inspection and Safety – Key to Successful and Prosperous Auto LPG Industry in India". The ready reckoner is being extensively used by field officers from the Motor Vehicles Departments of various states in India.

AUTO LPG DISPENSING SYSTEM & CALIBRATION –

Training Program for officials of Legal Metrology at FCRI-Palakkad.

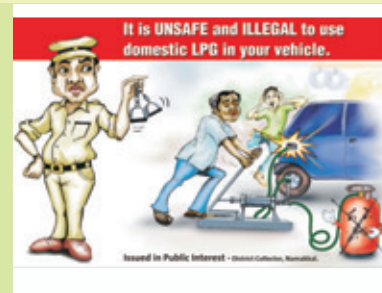
During IAC's meeting with Director – Legal Metrology, IAC had expressed desire to be associated with any training program the department wished to conduct on Auto LPG. The opportunity came when Fluid Control Research Institute (FCRI) extended invitation to IAC to conduct a session on "Auto LPG Dispensing System and Calibration" for Officials of Legal Metrology Dept.

IAC conducted a detailed training at FCRI's campus in Palakkad (Kerala) for about 60 officers of legal Metrology who came from across the country. Each training program comprised 2 ½ hours presentation and interactive session on Dispenser calibration followed by 3½ hours practical demonstration at RIL's Auto LPG dispensing station in Palakkad.



CAMPAIGN AGAINST USE OF DOMESTIC LPG FOR AUTOMOTIVE PURPOSE IN NAMAKKAL.

To curb illegal transfer of Domestic LPG for automobile use, IAC along with the active support of District Administration of Namakkal launched a social awareness campaign. Billboards and posters were put up at strategic location in the town; advertisements in local cable TV Channels were also flashed. The communication was designed in such a way, so as to deter people from indulging in the illegal and hazardous activity of Gas transfer.



IAC PARTICIPATES IN MUMBAI MARATHON

Events



IAC Executive Committee Meeting-April 2017



IAC Executive Committee Meeting-April 2017



EXECUTIVE COMMITTEE MEETING, OCTOBER 2016: Coalition's EC Meeting was held on October 13, 2016 at Hotel Jaypee Vasant Continental, New Delhi. Detailed discussions were held with a specific focus to increase awareness of Auto LPG in the country and key decisions were taken.



ANNUAL GENERAL MEETING, AUGUST 2016: AGM was held on August 19, 2016. Key industry initiatives were discussed and reviewed.



ALDS OPERATORS MEETING, AUGUST 2016: Various key concern areas for the industry, including the issue of Rule 26 of Gas Cylinder Rules, were highlighted. Detailed deliberations were held and accordingly action plans were proposed.



IAC - OEM INTERACTION, AUGUST 2016: IAC - OEM interaction was organized in collaboration with SIAM. Senior Officials from key OEMs including Maruti, Honda, Volkswagen among others, attended the event. OEMs shared their views for the roll out of Auto LPG Vehicles.



PETROSAFE -2016 INTERNATIONAL CONFERENCE, JULY 2016: IAC co-organized 'PetroSafe-2016' International conference on "Excellence in Hydrocarbon Safety" with PESO, National Safety Council and other PSUs on 21st and 22nd July 2016 at Jaipur. During the conference, IAC exhibited and promoted Auto LPG as a clean, green and economical fuel, particularly in two wheelers. IAC received immense response during the conference and also received the award for second best exhibition booth.



CONFERENCE AT PHD HOUSE, MARCH 2016: IAC was the main sponsor for the conference on "Need of Environmentally Sustainable Urban Transport System in India" on 2nd March 2016, at PHD House, New Delhi. During the conference, IAC highlighted the importance of Auto LPG as a clean fuel and its exemption during Odd - Even phase. Shri Satyendar Jain, Hon'ble Minister of Health & Transport, Govt. of NCT Delhi was also present during this session.



IAC OPERATORS' MEETING, JANUARY 2016: An All Industry ALDS operators meeting was held in Bengaluru at Total Oil India Private Ltd to discuss the necessary policy level interventions to ensure that that concerns regarding Auto LPG, at the level of the policy makers are duly and firmly addressed and further discussions on the Tank testing issue being faced. Members agreed to follow up on the proposed action plans.



PESO- IAC Operators Meeting, December 2015 As follow up to a Circular issued by PESO regarding restrictions on timings for unloading Auto LPG at the ALDS and to discuss industry roadmap to ensure that vehicles due for 5 years testing are not fuelled by the operators, IAC organized a meeting in Nagpur on December 3, 2015 with the Chief Controller of Explosives and his team. Key issues being faced by the industry in implementation of the notification were discussed and detailed presentation was made to PESO. Subsequent to the discussions, PESO agreed in part to reconsider industry submission on a case to case basis.



ALDS Operators Meeting, December 2015 Earlier on December 3, 2015, an All Industry ALDS operators meeting was held in Nagpur at Hotel Radisson Blu to discuss and propose an Industry Road Map to PESO for consideration. The meeting was attended by almost all key ALDS operators in the country. Another IAC meeting in this regard was held on 27th October 2015 at Reliance Industries Limited, RCP, Mumbai.



Key Meetings in September 2015 (A). Annual General Meeting The coalition's Annual General Meeting was held on September 11, 2015 at Hotel Jaypee Vasant Continental, New Delhi. Several presentations were made during the meeting which included an update from Reliance Industries Limited regarding Project Green stroke and also discussions on Auto LPG Roadmap methodology from Marketing & Development Associates among others. Detailed discussions were held to discuss the current status of the industry and the way ahead.



(B). Executive Committee Meeting The coalition's Executive Committee Meeting was held on September 11, 2015 at Hotel Jaypee Vasant Continental, New Delhi. Several presentations and discussions were made during the meeting and Committee Members agreed to follow up on the proposed action plans.



(C). Dialogue with ALPG Kit Industry With an estimated 70% share of the total LPG vehicle population in India, the aftermarket retrofitment industry remains a Key Stakeholder for the growth in usage of Auto LPG in India. In this regard the second IAC- ALPG Kit Industry dialogue was held on 3rd December 2015, which included participation of the office bearers of the Kit Industry Association as well as several other type approval holders.



(D). IAC OEM Interaction Support of OEMs is vital for the growth of Auto LPG Industry, with customer confidence in the fuel proportional to the launch of OE LPG powered vehicles. In this regard an OEM- IAC interaction was organized in collaboration with SIAM. Senior Product Planning and Marketing Heads from Key OEMs like Maruti attended the event.



Project Green Stroke A significant part of automobiles used in India are motorcycles. Since they are all petrol powered and the fact that they can take up only limited load of a tank, presents itself to be a very compelling opportunity for Industry to nurture. This has been a key priority for the coalition which continuously works with the Kit Industry to seed the 2 Wheeler conversions Industry. M/s Reliance India Limited continues to lead the project on IAC's behalf.



Web based tracking of retro fitment of ALPG conversions: Subsequent to a proposal submitted by IAC to Ministry of Road Transport & Highways (MoRTH), your coalition was asked by Joint Secretary (MoRTH) to develop and run the project on a pilot basis. Post several meetings at CMVR – TSC, a draft notification is now being worked upon with assistance from ARAI.



3rd PESO-IAC Workshop: Hosted by IAC in Nagpur on November 14th, 2014, the workshop was inaugurated by Shri T. R. Thomas, the then Chief Controller of Explosives and deliberated on critical issues like Operators' Perspective, Regulation in Retro fitment Industry, as well as various aspects of Behavioral Safety. Several papers were presented by Industry leaders & Senior Officials from PESO. About 60 senior delegates attended the same, making it yet another successful PESO-IAC workshop.



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PESO – IAC Workshop, Indian Auto LPG Coalition hosted and organised the 2nd PESO-IAC Workshop, which was held at Nagpur on November 3rd, 2012. The workshop was inaugurated by Mr. T. R. Thomas, Chief Controller of Explosives together with a Welcome Note by Shri A. N. Jha, Executive Director (LPG), Indian Oil Corporation Ltd and President, Indian Auto LPG Coalition. Similar to the first PESO – IAC Workshop, this workshop deliberated on critical, pertinent Industry issues and was well attended by senior officials from PESO as well as the Industry.



IAC DG Mr. Suyash Gupta briefing Joint Secretary, Department of Industrial Policy and Promotion about the benefits of Auto LPG during Petrosafe -2016 International Conference dated July 21, 2016.



IAC DG Mr. Suyash Gupta giving presentation in presence of Shri Satyendar Jain, Hon'ble Minister of Public Work Department, Govt. of NCT Delhi regarding the importance of Auto LPG as a clean fuel and its exemption during Odd – Even phase during Conference at PHD House dated March 2, 2016.



Delegates who attended the 3rd PESO – IAC Workshop, held on Nov 14, 2014 at Nagpur.



Shri T. R. Thomas, CCQE, Shri A. N. Jha, ED -(LPG), IOC and President, IAC, Shri P C Srivastava Jt. CCQE & Dr. S Kamal Jt. CCQE inaugurating the 3rd PESO – IAC Workshop, held at Nagpur on Nov 14, 2014.

Events



Dr S Kamal, Jt CCOE, PESO chairing Session during the 3rd PESO – IAC Workshop held on Nov 14, 2014 at Nagpur.



IAC Members at AGM dated Sep 5, 2014 at Hotel Jaypee Vasant Continental, New Delhi



IAC Members at AGM dated Aug 30, 2013 at Hotel Jaypee Vasant Continental, New Delhi



Shri R.S. Butola, Chairman, Indian Oil Corporation delivering Keynote address at WLPGA-IAC Regional Summit, February 15, 2012, New Delhi.



Shri. Nandan Nilekani, Chairman, Unique Identification Authority, India addressing the WLPGA-IAC Regional Summit, February 15, 2012, New Delhi.



Chief Controller of Explosives, Mr. T.R. Thomas delivering his address at WLPGA-IAC Regional Summit, February 15, 2012, New Delhi.



Standing L- R Ajay Kumar, CEO, SHV Energy; R M Gupta, ED -LPG, BPCL; Suyash Gupta, Director General, IAC, Shri KK Gupta, Director - Marketing, BPCL; Mr. James Rockall, MD, WLPGA; Satwant Singh, ED - LPG, IOCL; Sushma Rath, MoPNG; Mr. T. R. Thomas, CCOE; Rajiv Chohan, President, Aegis Logistics Limited; Avinash Thosar, ED LPG, HPCL; Prakash J, CEO, Total Oil India Limited



Workshop on Safety in Auto LPG – A PESO IAC initiative held on November 3, 2012 at Nagpur.



Chief Controller of Explosives, Mr. T.R. Thomas addressing the 2nd PESO – IAC Workshop on Safety in Auto LPG held at Nagpur on November 3, 2012.



Dr. S Kamal, Jt. CCOE, PESO addressing the Session on ALDS Installation Perspective – "Faster, Robust and Safe Installation" together with Shri Sachiv Parekh, Shri Atul Kabre, and Shri LKS Chauhan.



IAC Members at AGM dated Aug 6, 2011 at Hotel Jaypee Vasant Continental, New Delhi



IAC Members at AGM dated Sep 4, 2010 at Hotel Jaypee Vasant Continental, New Delhi.

Events



IAC EC Members during EC Meeting at Hotel Jaypee Vasant Continental, New Delhi on Sep 3, 2010.



IAC President Mr. Satwant Singh delivering his address during the AGM dated Sep 4, 2010.



Secretary, Govt. of India, Ministry of Road Transport & Highways, Sh. Brahm Dutt inaugurating Conference on Auto LPG: "Promise for a Cleaner Air"



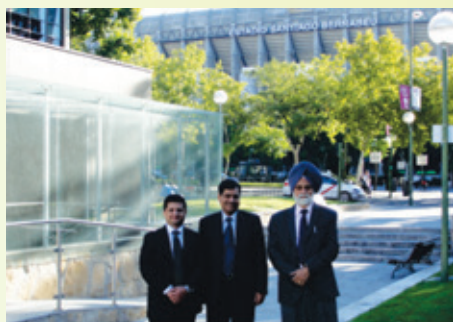
Right to left, Sh. Mrinal Roy, Executive Director, Indian Oil, Sh. S. Radhakrishnan, Director Marketing, Bharat Petroleum, Sh. John Joseph, IAC, Sh. James Rockall, MD, WLPGA & Sh. Suyash Gupta, Director General, IAC.



R - L, Sh. Apurva Chandra, Jt Secretary, GOI, Ministry of Petroleum and Natural Gas, Sh. G.C. Daga, Director Marketing, Indian Oil, Sh. Brahm Dutt, Secretary, GOI, Ministry of Road Transport & Highways, Sh. John Joseph, IAC, Sh. Suyash Gupta, Director General, IAC & Mr. James Rockall, MD, WLPGA delivering the address.



Associate Director, CSE, Ms. Anumita Roy Chowdhury delivering her address, R - L, Sh. P C Srivastava, Jt. CCOE- PESO, Mr. James Rockall, MD, WLPGA, Sh. G.C. Daga, Director Marketing, Indian Oil & Sh. John Joseph, IAC.



IAC participating in WLPGA Event held at Madrid, Spain. Standing R - L (Mr. Satwant Singh, President IAC & ED (LPG) IOCL, Mr. G.C. Daga, Director Marketing, IOCL & Director General, IAC Suyash Gupta).



IAC-RTO Nashik Seminar July 2009



Sh. Ajai Nigam CCOE lighting the inaugural lamp at the first PESO-IAC Conference in July 2008



Sh. Nigam, delivering the inaugural address at the first PESO-IAC Conference in July 2008



First PESO-IAC Conference 2008 attended by 100 delegates.



Ms Anumita Roy Chowdhury with Mr S R Marathe (Director-ARAI) and Mr M K Chaudhari (Sr. Dy. Director-ARAI) at Annual "All Stake Holder Conference" Sep. 29, 2007

Events



Shri Balraj Bhanot-(Former Chairman CMVR Technical Committee) chairing the session on Retrofits at Annual "All Stakeholder Conference" Sept. 29, 2007



Shri P. Raghavendran - President -Reliance Ind Ltd. (Refinery Business) delivering the key note address at Annual "All Stakeholder Conference" Sept. 29, 2007



IAC Organized Seminar on Inspection & Safety in Aurangabad on July 28, 2007



IAC organized seminar on Inspection and Safety in Mumbai on Sep 12, 2006



Complete Indian delegation with US Department of Energy team at Clean Cities International Conference in Palm Springs California, in May 2005



IOC Chairman Mr Sarthak Behuria (third from left) at IAC's booth in World LPG Forum at Shanghai. Standing to his left is Mr Mrinal Roy (GM-LPG) IOC.



(Standing left to right, Mr. Curtis Donaldson (President, Clean FUEL USA), Mr David Garman (Assistant Secretary, US Department of Energy), Mr John Joseph (President, IAC and VP Reliance Industries) and Mr. Suyash Gupta (Director General, IAC).



Mr Pramod Nangia, Director, Ministry of Petroleum and Natural Gas (second from left), with Mr S V Sahni (ED-LPG), Hindustan Petroleum Corporation Ltd. at IAC booth in Shanghai



BPCL Director Marketing Mr S Radhakrishnan (third from left) at IAC's booth in World LPG Forum at Shanghai. Standing to his right R K Singh (ED-LPG) BPCL.



IAC Delegation with General Motors India VP Mr. Ankush Arora



IAC Delegation with Ford India President Mr. Arvind Matthew (4th from left)



Environmental Leadership Award

Office Bearers



President
Sunil Mathur
Executive Director- LPG
Indian Oil Corporation Limited



Vice-President
Rajiv Chohan
President – Business Development
Aegis Logistics Limited



Director General
Suyash Gupta
Managing Director
CleanFUEL India Autogas (P) Ltd.



Treasurer
Shishir Agrawal
Managing Director- CLH
Gaseous Fuel Applications Pvt. Ltd.

Executive Committee Members



P K Banerjee
Executive Director
Society of Indian Automobile
Manufacturers



Founder Patron
Balraj Bhanot
(Former Chairman CMVR Technical
Committee & Former Director, ARAI)



P K Jha
Chief Executive Officer
Indian Oil Petronas Pvt. Ltd.



Bhupendrasinh Champavat
Head - Auto LPG
Reliance Industries Limited



Chitranjan Kumar
Senior VP- Marketing & Sales
Total Oil India Private Limited



Sreeman Kadali
Vice President - Legal
SHV Energy Private Limited



Amit Shah
Managing Director
Tomasetto Achille India Pvt. Ltd.



Manvinder Singh
Managing Director
Bhiwadi Cylinders Pvt Limited



Rashmi Urdhwarsh
Director- Automobile Research
Association of India

Roll of Honour



Gurmeet Singh
Past President



YK Gupta
Past President



Mrinal Roy
Past President



Satwant Singh
Past President



Abhay Nath Jha
Past President



John Joseph
Past President



Sunil Mathur
Past Vice President

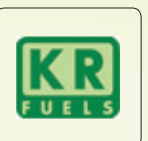
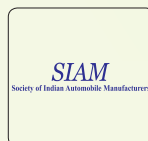


R N Ghosh
Past Vice President



Udayan Jain
Past Vice President

Coalition Partners



ABOUT IAC

IAC, a member of “Central Motor Vehicle Rules - Technical Standing Committee” (CMVR-TSC), “Standing Committee on Emission Legislation” (SCOE), & TED26 (Bureau of Indian Standards), Government of India, is the nodal body for the promotion Auto LPG Industry in India with all major stakeholders on Board. IAC membership base is expanding rapidly with the Oil Sector PSUs, Private LPG Marketers, Kit Suppliers, Equipment Manufacturers and Turnkey Installers as members, in addition to a very proactive support from World LP Gas Association, ARAI and SIAM.

Consistent efforts are made by IAC to increase awareness among the general public and government bodies through Seminars, Workshops. Many such workshops have been organized for several State RTOs like Maharashtra, Karnataka, Department of Legal Metrology, ARAI and with PESO. IAC is also represented in World LP Gas Association and has participated in its activities around the world. IAC has also initiated very meaningful interactions with leading OEs, which has resulted in more than 15 OE LPG vehicles running on Indian roads today.

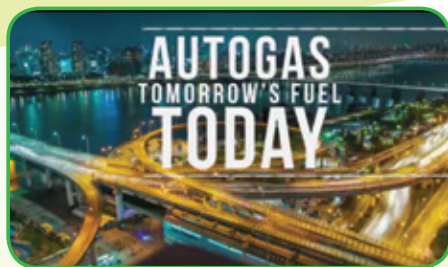
Mission

Promote LPG in an integrated manner,
as an alternate, gaseous, environment friendly fuel by involving
all stakeholders to bring a cost effective & safe auto fuel to Indian
consumers, using the best global practices.

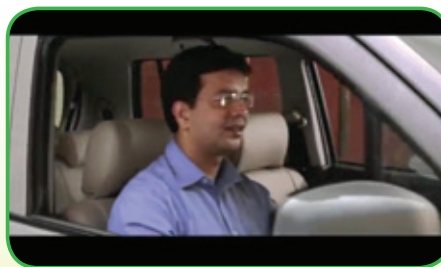


A unique coalition with all the critical
stakeholder groups working together closely

Economy of a diesel vehicle, **Emissions** of a CNG engine and **Performance** of a petrol engine



Auto LPG Movie



ALPG Ad Film

Also dubbed in Hindi, Bangla, Kannada, Tamil, Telugu & Malayalam



Low costs of infrastructure and conversion, easy availability, versatility of use and an impeccable safety record make Auto LPG a viable, environment friendly alternative auto fuel in India.

Indian Auto LPG Coalition (IAC), member of "Central Motor Vehicle Rules - Technical Standing Committee" (CMVR-TSC), "Standing Committee on Emission Legislation" (SCOE), & TED26 (Bureau of Indian Standards), Government of India, is the nodal body for the promotion of Auto LPG Industry in India with all major stakeholders on Board. IAC membership base includes Oil Sector PSUs, Private LPG Marketers, Kit Suppliers, Equipment Manufacturers and Turnkey Installers as members. IAC also works closely with Global LPG Bodies like WLPGA & also with Society of Indian Automobile Manufacturers (SIAM) and ARAI.

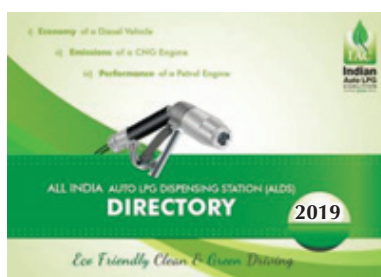
ALDS Locator App



The application has been launched on iOS & Android platform to display a list of 10 nearest Auto LPG stations with a link for driving directions to these filling stations using Google Maps. The application is free to download for all consumers and has received exceptional reviews from ALPG customers nationwide.

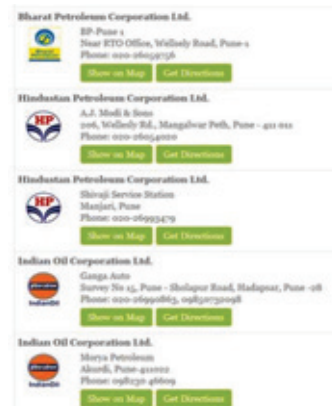
What's new ?

National ALDS Directory



IAC Website now features a link to the National ALDS Directory which can be downloaded in PDF format. The directory is interactive and intuitive and addresses a long standing need for a comprehensive list which can be easily shared.

"Where to fill" section on IAC Website integrated with Google Maps



For ALPG consumers wanting to navigate to nearest Auto LPG Dispensing Station without downloading or installing any App, IAC website has now been fully integrated with Google Maps allowing them to drive to the nearest ALDS location using their mobile browsers.



INDIAN AUTO LPG COALITION

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