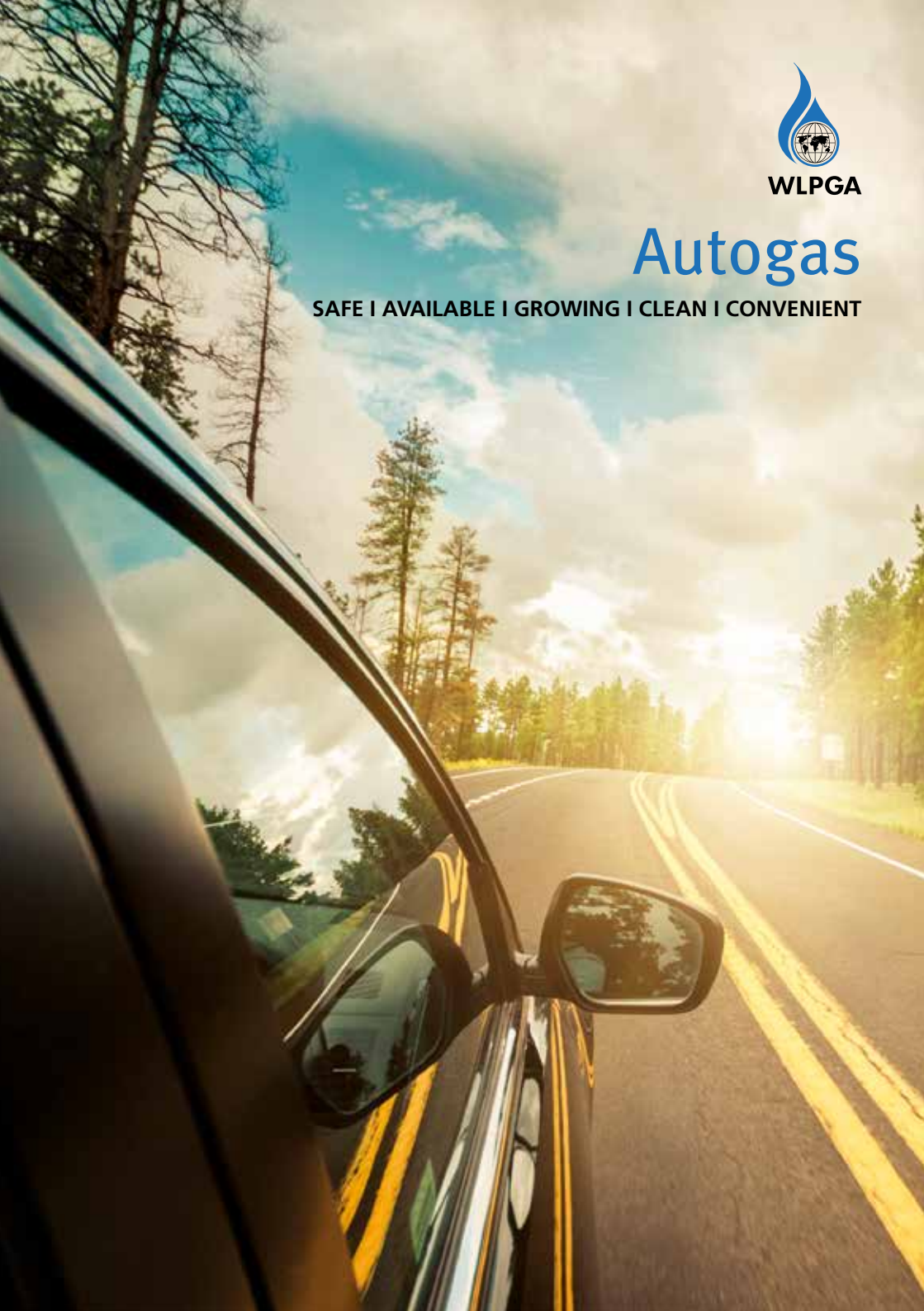




**WLPGA**

# Autogas

**SAFE | AVAILABLE | GROWING | CLEAN | CONVENIENT**



# Autogas is **CLEAN**



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



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



**22%**  
**LOWER CO<sub>2</sub>**  
THAN PETROL  
(LCA\*)



**96%**  
**LESS NO<sub>x</sub>** & **68%**  
**LESS NO<sub>x</sub>**  
THAN DIESEL THAN PETROL



**120**  
**TIMES**  
**LESS SMALL**  
**PARTICLE EMISSIONS**  
THAN DIESEL  
VEHICLES

\* European Commission (Annex to implementing measures to Fuel Quality Directive)

# Autogas is **SAFE**



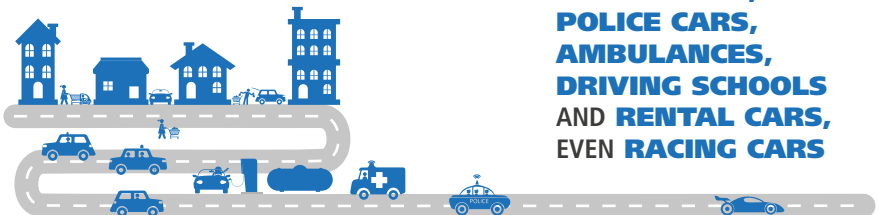
**STRICT STANDARDS  
AND REGULATIONS**  
SET BY **EXPERTS** IN RECOGNISED  
ORGANISATIONS FOR EXAMPLE  
**THE EUROPEAN UNION**  
AND **NATIONAL GOVERNMENTS**



**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**

# Autogas is **CONVENIENT**



MANY GOVERNMENTS  
**PROMOTE AUTOGAS**  
MAKING IT A VERY  
**COST EFFICIENT FUEL**



**AUTOGAS  
TANKS ARE  
COMPACT**

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



**REFUELLING STATIONS**

AND REFUELLING IS  
**CLEAN & EASY**



## PARKING & MOBILITY



**LOWER  
TAXES**

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



**LPG POWERED CARS**  
ARE WELCOME IN  
**UNDERGROUND CAR PARKS**  
IN MOST COUNTRIES

# Autogas is AVAILABLE

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



**26  
MILLION  
VEHICLES**

AROUND THE GLOBE



**LPG  
HAS  
CLEAN  
ORIGINS**

**60%**

**60% IS RECOVERED  
DURING THE EXTRACTION  
OF NATURAL GAS**

**AND IT IS EXPECTED TO  
INCREASE IN THE FUTURE**

**LPG**

CAN BE  
TRANSPORTED  
ALMOST  
**ANYWHERE BY**



**SEA**



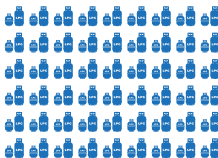
**RAIL**



**ROAD**

**ADDITIONAL  
SOURCES OF  
LPG**

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



# Autogas is **GROWING**



**LPG IS  
THE MOST  
COMMONLY USED  
ALTERNATIVE FUEL  
IN THE WORLD**

GLOBAL CONSUMPTION  
OF **AUTOGAS**  
HAS RISEN BY OVER **50%**  
OVER THE **PAST 10 YEARS**



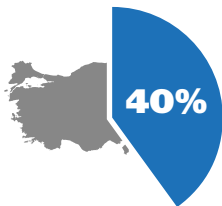
## **GUANGZHOU**



HAS PUT OVER **31,000 LPG VEHICLES** INTO OPERATION SINCE THE GENERAL **PROMOTION OF AUTOGAS**, ACCOUNTING FOR MORE THAN **95%** OF THE CITY'S TOTAL **BUSES** AND **TAXIS**.



IN **TURKEY**,  
MORE THAN **40%**  
OF **PRIVATE CARS**  
NOW RUN ON  
**AUTOGAS\***



THE **FUTURE OF TRANSPORT  
STARTS NOW.**  
AUTOGAS CAN DELIVER THIS FUTURE  
**TODAY!**

\* Source: WLPGA Autogas Incentive Policies

# The **CHALLENGE** of Transport



CAUSES  
**3.7 MILLION**  
**DEATHS,**  
EACH YEAR



AFFECTS  
**1600**  
**CITIES**  
WORLDWIDE



IN LONDON **7500** PEOPLE  
**DIE EARLY** 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**

## **AND THE ISSUE IS SET TO BECOME MORE IMPORTANT BY 2050**

- THE **WORLD'S POPULATION** IS ESTIMATED TO BE **9.2 BILLION**
- OF WHICH **6.3 BILLION** WILL LIVE IN **CITIES**
- THERE WILL BE **MORE THAN 2 BILLION LIGHT DUTY VEHICLES** ON THE ROADS

## **HOW CAN AUTOGAS ADDRESS THIS CHALLENGE?**

## What is **AUTOGAS**



WHEN **USED** AS AN  
**ON-ROAD ENGINE FUEL,**  
**LPG** IS CALLED **AUTOGAS**

## What is it **MADE OF?**



**AUTOGAS**  
THAT IS SOLD AT PETROL  
STATIONS CAN BE EITHER **JUST**  
**PROPANE, BUTANE** OR A  
**PROPANE/BUTANE MIX**

## What's in a **NAME?**

In the **UNITED STATES**, Autogas is more commonly known under the name of its primary constituent, **PROPANE**.

In the **UK LPG** and **AUTOGAS** are used interchangeably.

In **ITALY** and **FRANCE**, **GPL** is used, and in **SPAIN** Autogas is referred to as **GPL**.

In many **ASIAN COUNTRIES** the term Autogas is not commonly recognised as a generic term, and the use of the terms **LPG** or **AUTOLPG** is more common.

For more information please contact:

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