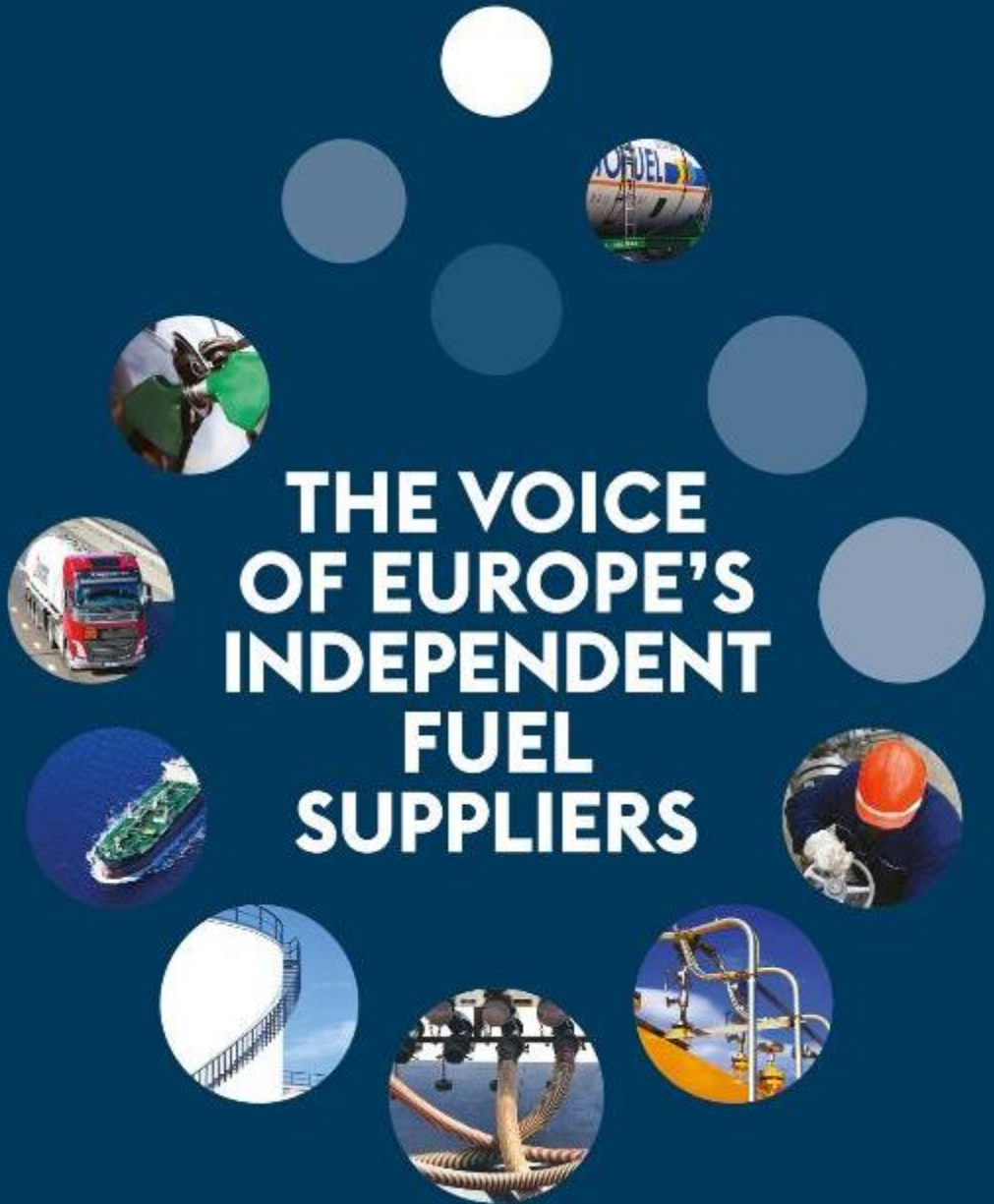


GREEN FUELS FOR FUTURE TRANSPORT

The views of independent
fuel suppliers

12 February 2021 | online

THE VOICE OF EUROPE'S INDEPENDENT FUEL SUPPLIERS






CONTENTS

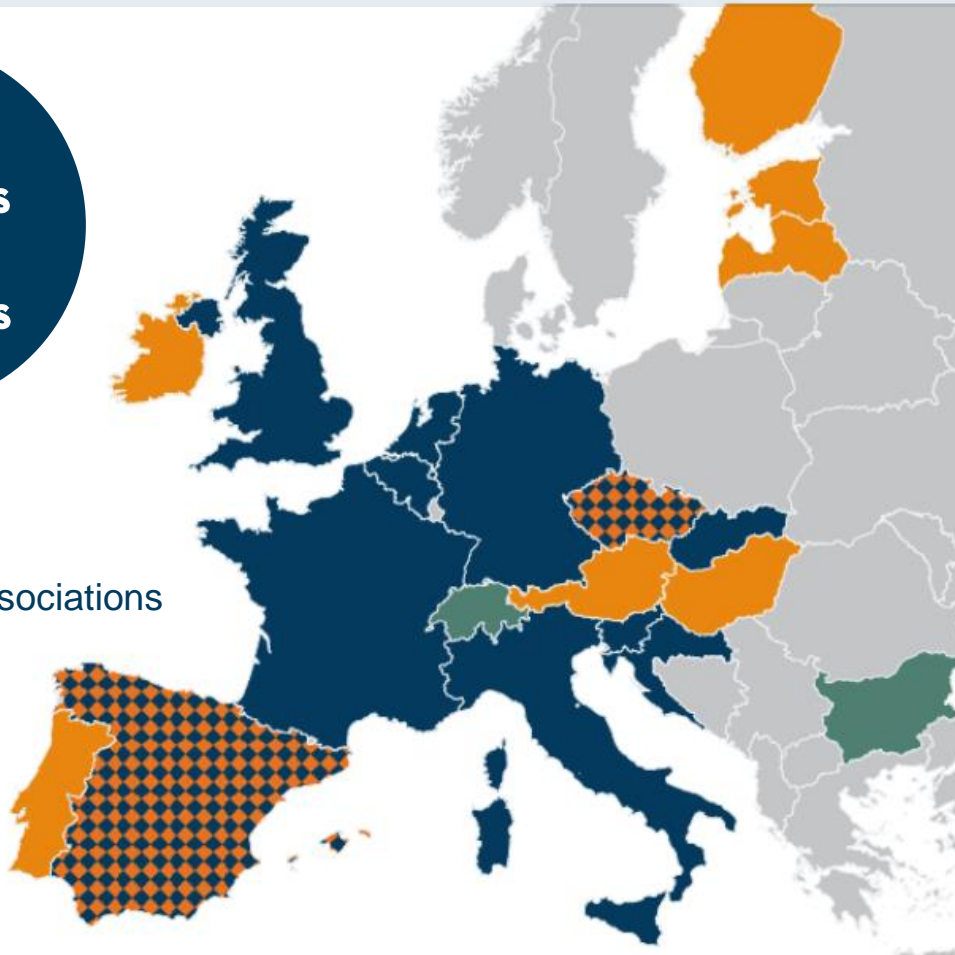
1. About UPEI
2. UPEI 2050 vision
3. Addressing the challenges - UPEI recommendations

About UPEI

The voice of Europe's Independent Fuel Suppliers

24
members
in 20
countries

-  Companies
-  National Associations
-  Associates



UPEI REPRESENTS
NEARLY 2,000
EUROPEAN
IMPORTERS &
WHOLESALE/RETAIL
DISTRIBUTORS OF
ENERGY FOR THE
TRANSPORT AND
HEATING SECTORS.



About UPEI

UPEI: OUR BUSINESS AREAS



About UPEI



About UPEI

OUR MISSION

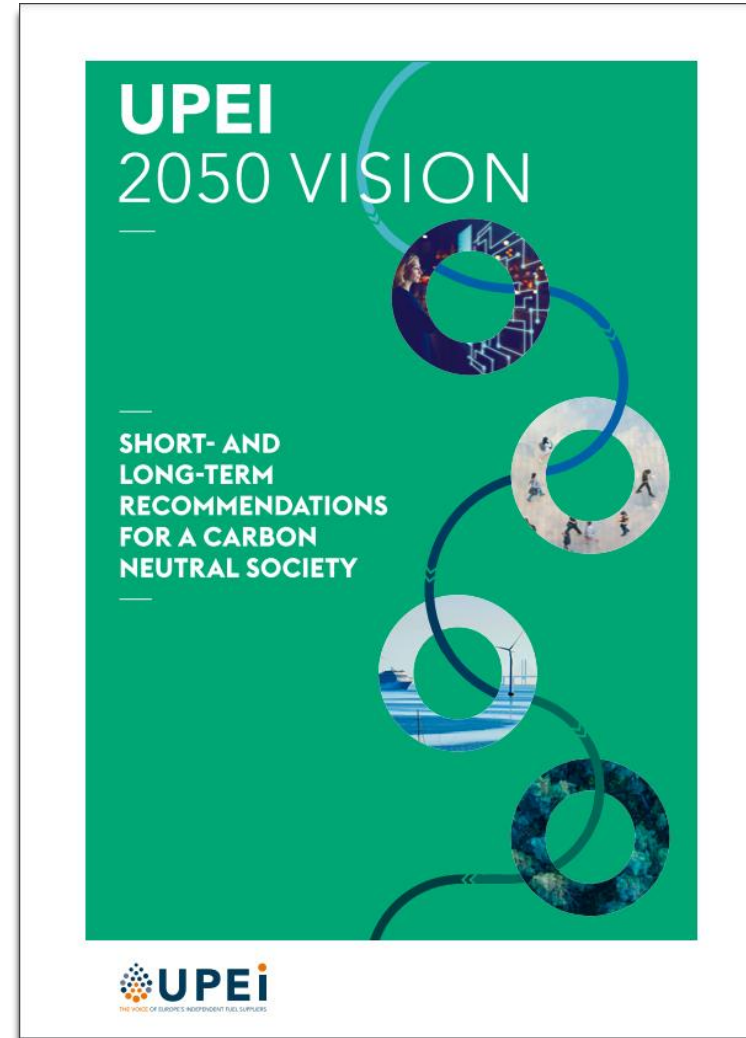
- ✓ **INFORM** members on a timely basis of new developments at EU level that can affect their business.
- ✓ **DEFINE** common positions among the membership.
- ✓ **ADVOCATE** towards the European institutions on policy and legislative proposals that impact the fuel supply sector, developing effective communication strategies.
- ✓ **ENGAGE** with other stakeholders involved in the energy/fuel supply sectors, developing alliances.
- ✓ **BUILD UP** links and provide a platform for sharing knowledge and exchanging best practice between members across Europe.



UPEI 2050 vision

Short and long-term recommendations for a climate neutral society

Published in 2019, as a reaction to 'A Clean Planet for All', the long-term vision issued by the European Commission



UPEI 2050 vision

Challenges

❖ THERE IS NO SINGLE SOLUTION

– The market introduction rate of battery-electric vehicles not fast enough to provide the necessary carbon emission reduction + need to clean up the existing vehicle stock

❖ EACH CHALLENGE REQUIRES A DEDICATED RESPONSE

– including carbon neutral solutions for segments or applications which are difficult, or not effective to electrify

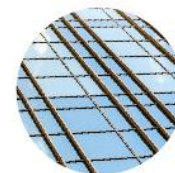
❖ RENEWABLE ELECTRICITY PRODUCTION IS GROWING

– We need solutions to balance fluctuating generation and store energy for the long term

❖ THIS IS NOT A CHOICE BETWEEN ELECTRICITY AND FUELS,

both will be needed. It is a move from high carbon to low carbon, and from fossil to renewable (for electricity, liquid and gaseous fuels). Research also shows that a combination of different technologies can maximise emission cuts at the lower cost and with the best use of our resources

The EU long-term vision stresses that the decarbonisation of mobility cannot be based on silver bullets.



UPEI 2050 vision

UPEI vision promotes the use of existing technologies and the improvement of energy efficiency to reduce emissions immediately.



2030

IN THE SHORT TERM

The following solutions can immediately bring benefits:

- ❖ **Focus on energy efficiency first**
 - technological and design developments to reduce fuel consumption of new appliances
 - more efficient supply systems
- ❖ **Increased use of sustainable biofuels blended into conventional fuels**
 - higher blends
 - deployment in applications where they are not yet commonly used (aviation, non-road mobile machineries, maritime transport, heating & cooling)
- ❖ **Increased deployment of other alternative fuels**
 - based on their suitability for each application
 - must be able to compete fairly against each other



UPEI 2050 vision

In the long term, UPEI promotes the development of carbon neutral fuels to suit all needs and applications by 2050.



Advanced biofuels and biogases

Produced from biogenic feedstocks



E-fuels or Power-to-X

Advanced renewable fuels produced from renewable electricity via electrolysis



Recycled carbon fuels

Fuels produced from industrial waste gases or based on non-recyclable plastics

2050

IN THE LONG TERM

Those carbon neutral fuels should be fully deployed to reach net zero carbon at the horizon 2050, alongside green electricity and hydrogen.



Benefits of carbon neutral fuels

- ❖ **SIGNIFICANT ENERGY CONTENT PER MASS**
Especially for applications requiring high amounts of energy.
- ❖ **STORAGE PRE-USE**
They can be stored in liquid or gaseous forms, in the long term, without energy losses.
- ❖ **PORTABILITY**
Both in liquid and gaseous form they can be transported virtually anywhere, from the place of production to the place of consumption, thanks to the existing supply infrastructure.
- ❖ **OPTIMISATION OF THE EXISTING DISTRIBUTION INFRASTRUCTURE**
Thanks to their properties, they can be used in the existing supply and distribution infrastructure, making the most of existing assets in Europe.
- ❖ **ENERGY SECURITY AND RELIABILITY**
Their storability and portability allow to stock necessary volumes to use them in case of black out or any other supply issue with other energy carriers.



UPEI 2050 vision

**UPEI members can channel the transition,
as critical elements of the connecting tissue
that keeps the energy and mobility systems in operation**

**Repurposing and investing
in distribution infrastructure**

**Making the most
of their expertise**

UPEI MEMBERS WILL CONTRIBUTE BY:

**Making the link
with consumers**

Leaving no one behind



Addressing the challenges

UPEI recommendations

- ✓ **Dedicated strategy for green liquid fuels at EU level**
- ✓ **Equal recognition of all technologies based on GHG performance and sustainability criteria**
- ✓ **Holistic and consistent regulatory framework**
- ✓ **Stable policy framework and long term targets, favourable to investments**
- ✓ **Prioritise volumes**
- ✓ **Recognise efficiency gain in repurposing existing infrastructure**
- ✓ **Support to innovation in low and carbon neutral fuels**
- ✓ **Involve end-users**



THANK YOU!

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