



H2GO

Hydrogen mobility

eit Urban Mobility

Co-funded by the
European Union



**HYDROGEN
AS SAFE AND
RELIABLE
ENERGY RANGE
EXTENDER
FOR ELECTRIC
COMMERCIAL
VEHICLES**



OUR CHALLENGE

The transportation sector is responsible for 30% of global CO₂ emissions, 72% of which is only related to road transport. Battery electric vehicles have the limitation of not being able to guarantee cycles of continuous operation and thus sufficient autonomy.

THE BENEFITS

H₂



Raising awareness of H₂ benefit

Ensuring continuous work cycles and avoid inefficient vehicle stops

OUR SOLUTION

H2GO is a retrofitted electric light commercial vehicle that adopt a FCH (Hydrogen Fuel Cell) as a range extender, that is able:

1. to reduce battery pack size
2. to ensure longer working cycle and quicker refuelling operation
3. to keep the vehicle operation clean

Municipalities and urban service providers can benefit from the versatility of H2GO vehicle by using it for several activities (waste management, cycling path maintenance, urban parks management,etc.).

H₂

HYDROGEN
POWERED

CO₂



Reducing CO₂ emission and noise pollution

Supporting the creation of a H₂ demand on transport by municipalities



Disseminating the experience on H₂ refuelling station



Identifying the best suited application where H₂ can be adopted

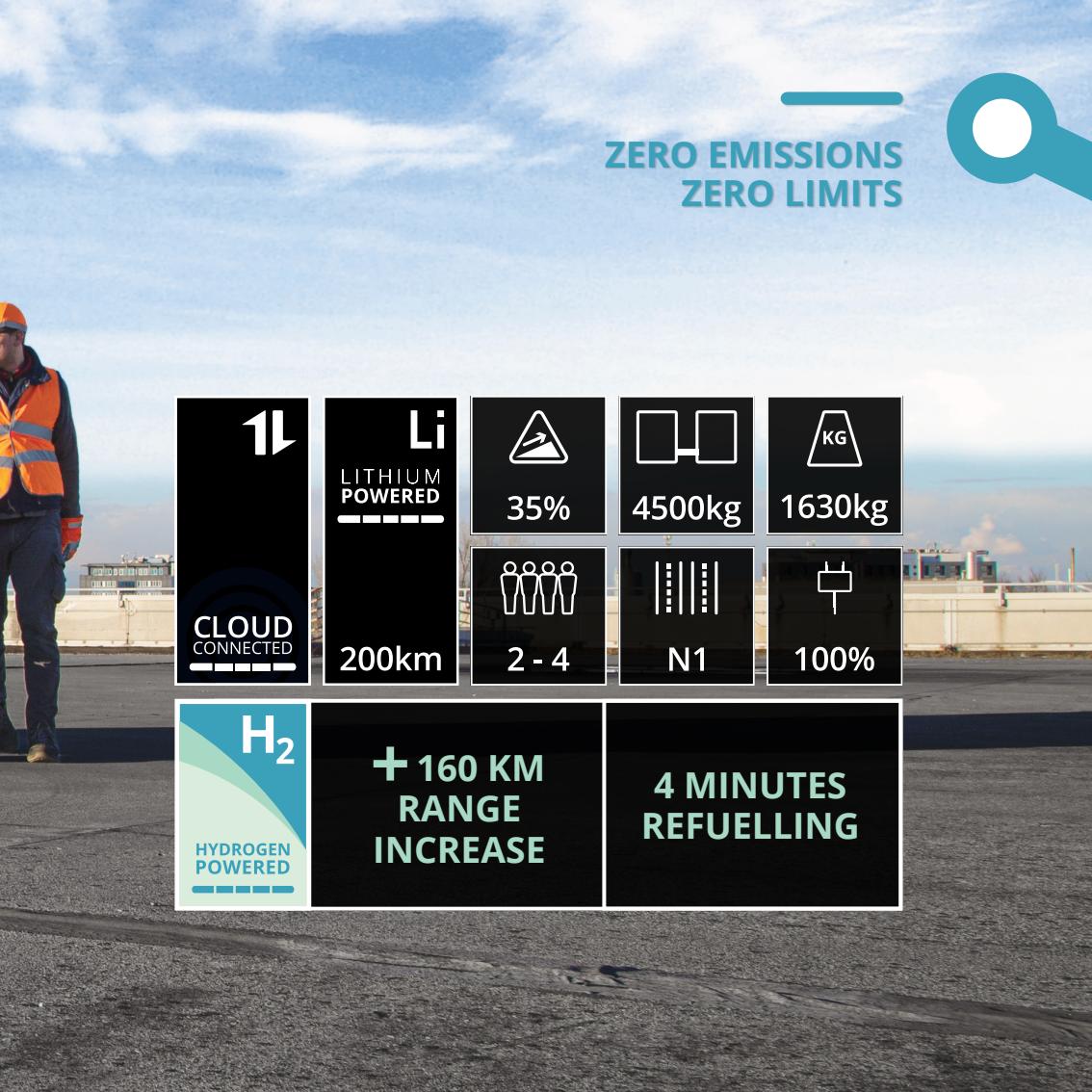


TOP ELECTRIC COMMERCIAL VEHICLES FOR URBAN USE



The Alkè ATX electric vehicle with hydrogen range extender is 100% eco-friendly, high-performing and extremely robust. FCH technology, combined with the lithium battery, guarantees a range increase of 160 km. This vehicle represents an innovation

for many urban applications: waste collection, maintenance, logistics, etc. It is definitely able to replace traditional endothermic motor vehicles in terms of power and autonomy. It is possible to choose from a wide range of configurations to equip the cargo area.



ZERO EMISSIONS
ZERO LIMITS

1L

CLOUD
CONNECTED

Li

LITHIUM
POWERED

200km



35%



2 - 4



4500kg



1630kg



N1

100%

H₂

HYDROGEN
POWERED

+ 160 KM
RANGE
INCREASE

4 MINUTES
REFUELLED



H2GO PARTNERSHIP





— PROJECT PARTNERS



CERTH
CENTRE FOR
RESEARCH & TECHNOLOGY
HERAKLION

VHIT

alkè
ELECTRIC VEHICLES

Arco FC



This project is funded by EIT Urban Mobility, an initiative of the European Institute of Innovation and Technology (EIT), a body of the European Union. EIT Urban Mobility acts to accelerate positive change on mobility to make urban spaces more livable.

Read more:
eiturbanmobility.eu

For more details on the H2GO project visit:
www.h2go.site



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