



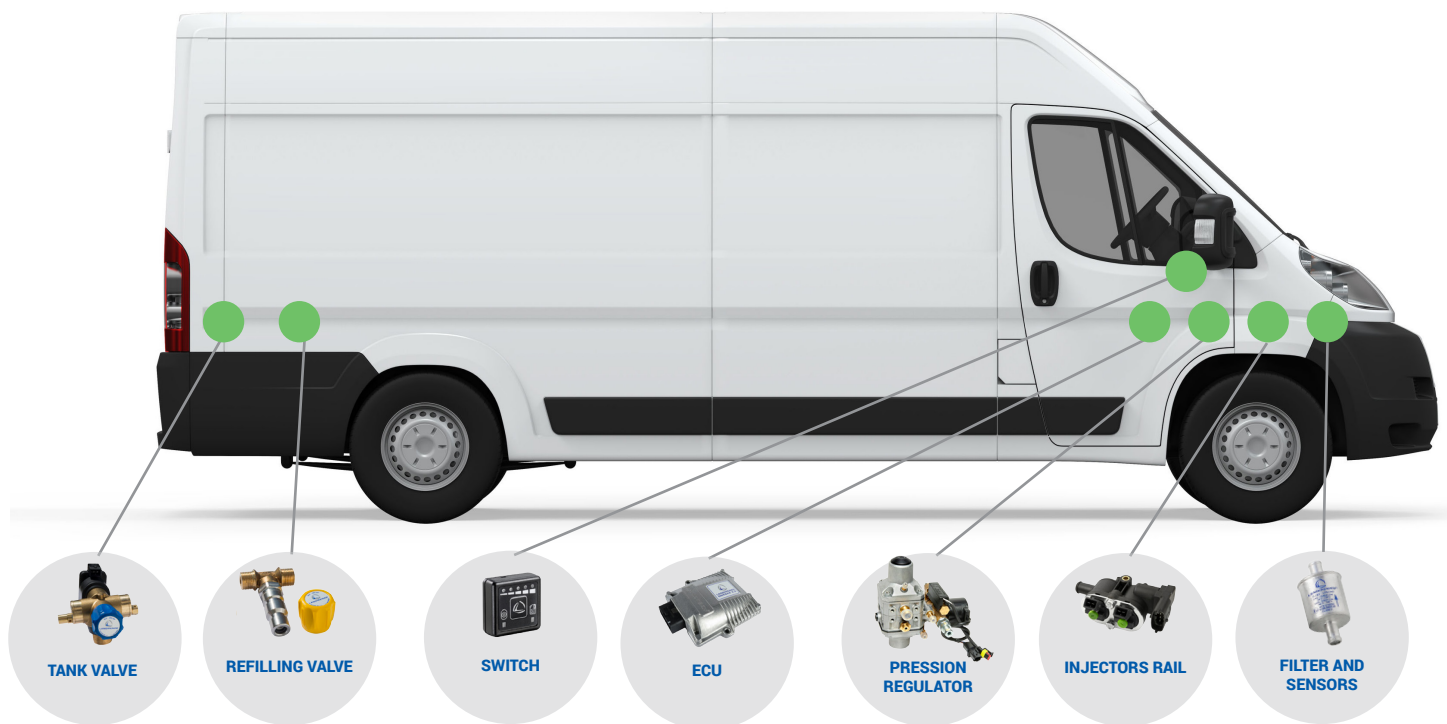
**LANDIRENZO®**



**DIESEL+METHANE CONVERSION**

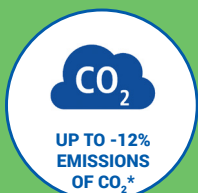
**OUR SOLUTIONS**

# COMPOSITION OF THE DDF SYSTEM






## THE DIESEL BECOMES ECOLOGICAL AND ECONOMIC

- ✓ **SAVING FOR COMMERCIAL VEHICLES**  
The DDF Landirengo conversion technology allows Diesel engines to pollute less, reducing operating costs. The conversion system mixes diesel fuel with methane, favoring the use of methane.
- ✓ **IDEAL FOR PRIVATE USAGE, PERFECT FOR FLEETS**  
Not only private vehicle owners can benefit from the DDF conversion benefits but also all the professional carriers for the carriage of people and goods (eg buses and trucks).
- ✓ **PERFORMANCE AND RELIABILITY**  
The conversion to DDF does not compromise the performance of the vehicle: thanks to the electronic control unit, the heart of the system, strategies are implemented to keep the power and torque of the vehicle unchanged and ensure maximum driving pleasure in all conditions of usage.
- ✓ **LIGHT, MEDIUM & HEAVY DUTY**  
The DDF Landirengo systems are modular and therefore adapt to all light, medium and heavy commercial vehicles (see table), reducing noise and vibrations and increasing their autonomy.
- ✓ **MAXIMUM EFFICIENCY, LONG LIFE**  
The Landirengo DDF systems passed the strictest validation protocols and guarantee maximum reliability over time. To maximize your investment, the system once installed can be transferred to another technologically equivalent vehicle.
- ✓ **EASY TO INSTALL**  
Installation of DDF systems must be carried out by specialized technicians; each vehicle requires a proper configuration. For this reason, before installing a Dual Fuel system, you should check the feasibility list issued by the Landirengo engineers.



\* variable data depending on the cost of the 2 fuels, the type of vehicle, the load carried and the driving mode (costs reported in Italy on June 2017)

## SUITABLE FOR ALL LIGHT, MEDIUM & HEAVY DUTY VEHICLES

CHARACTERISTICS	 LCV (light commercial vehicles)	 MD (medium commercial vehicles)	 HD (heavy commercial vehicles)
VOLTAGE	12	24	24
CAPACITY (cc)	up to 3500	up to 8000	over 8000
CYLINDERS NO.	4	4 - 6	6 - 8
WEIGHT IN TONS	up to 3.5	up to 10	over 10
DDF SYSTEM TYPE	<ul style="list-style-type: none"> <li>mechanical pump</li> <li>electronic injection with analog emulation</li> <li>electronic injection with analog emulation light</li> </ul>	<ul style="list-style-type: none"> <li>mechanical pump</li> <li>electronic injection with analog emulation</li> <li>electronic injection with digital emulation</li> <li>electronic injection with CAN line emulation</li> </ul>	<ul style="list-style-type: none"> <li>mechanical pump</li> <li>electronic injection with analog emulation</li> <li>electronic injection with digital emulation</li> <li>electronic injection with CAN line emulation</li> </ul>
STANDARDS	Euro 0, 1, 2, 3, 4, 5, 6	Euro 0, I, II, III, IV, V, IV	Euro 0, I, II, III, IV, V, IV
FOR EX.	pick up vans	medium bus trucks	big bus trucks tractors
DIESEL REPLACEMENT	50%	45%	45%

NOTE: Before installing a Dual Fuel System, please check the Feasibility list released by technicians from Landirengo. Please find the link as: <https://landirengo.com/en/diesel-cng>.

If the vehicle is not in this list, it might still be possible to convert but check with Technical Assistance Landirengo before converting. Please contact us at [service@landirengo.com](mailto:service@landirengo.com).

## And you can have your own service station

If you own a fleet, you can install your own service station: SAFE, a company part of Landi Renzo group, will handle its design and installation.



## ... even more ecological with BIOMETHAN!

For your farm or waste disposal, a biomethane plant combined with a diesel + methane fleet can provide you maximum savings. SAFE will handle its design and installation.



**SAFE**  
Gas designed for you  
[www.safegas.it](http://www.safegas.it)



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#### THE CLEAN AIR COMPANY

Landi Renzo is an Italian company that has been a worldwide leader in alternative fuel components and supply systems for LPG- and CNG-fuelled vehicles for over 60 years.

Incessantly advancing its technologies and working with the world's most prominent car manufacturers has allowed Landi Renzo to offer cutting-edge, ecosustainable mobility products in over 50 countries across the globe.



**LANDIRENZO®**

The Clean Air Company

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