

2019-2020: Pilote & Test phase

TARGET MARKET: MOBILITY

Usable for communities and professionals, in benefit of "logistics of the last kilometers".

Also usable for **urban transport**, fleets of commercial vehicles, buses and minibus for **daily journeys** (150km, refilling in 5 min).

With our technology, we offer you a **new way** of **producing** and **using energy**.



COMPRESSED AIR SERVING MOBILITY

Anthos Air Power is developing a utility vehicle powered by compressed air:

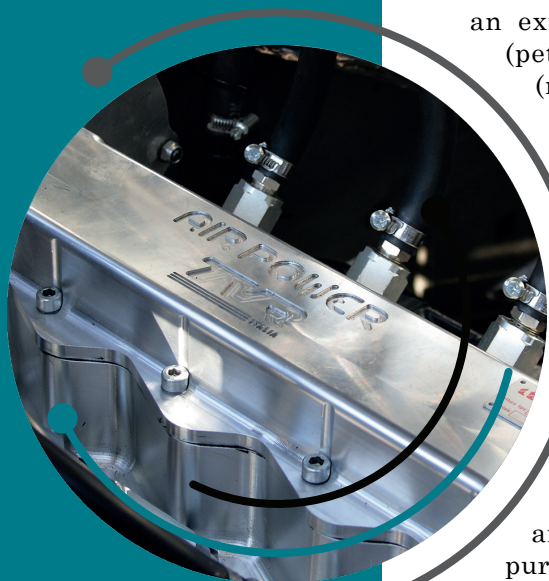
- 100% clean: Zero emission of CO₂, NO_x and other polluting particles
- Up to 150km autonomy
- Full filling with compressed air: 5 minutes

Compressed air: simple, clean and endless energy!

Anthos Air Power specializes in Renewable Energies & Environment. It's a new technologies' Developer.

COMPRESSED AIR MOTOR ENGINE

Technological innovation and circular economy: ANTHOS AIR POWER has developed a kit which fits on an existing motor heat engine (petrol or diesel). The engine (new or recycled) transforms into an engine running on compressed air while maintaining high performance.



ZERO EMISSIONS

It's mainly the pollutants emitted from the exhaust of combustion vehicles that are very problematic for public health. The compressed air engine only releases purified cold air into the atmosphere (which can be used in the vehicle's air conditioning system).

FAST FILLING

In just 5 minutes of charging on a station, you'll have up to 150km of autonomy.

The compressed air utility vehicle is particularly well suited for daily journeys in urban areas and private sites.

SIMPLE AND REACHABLE SOLUTION

Compressed Air as a source of renewable energy storage, clean energy production and cold has its place in the combination of new energies. It has the distinction of being simple and accessible.

The future allows us to foresee the creation of dozens of products in the spheres of energy, refrigeration, land and maritime mobility; and generate employment on the territory with the establishment of local production stations.



Lifetime
(critique equipment)

Number of refills

Rares metals

Heavy metals

Hydrocarbons

Autonomy

Filling at 80 %

CO2 emissions



Diesel

25 years
(tank)

illimited

Yes
(catalytic converters)

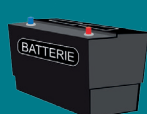
Not disclosed

Not recyclable
Très polluants

600 km

About 3 min.
for full filling

• For 40 000 km/year:
8,5 T/year
• Manufacturing pieces and equipment:
400 kg



Battery

5 years
(battery)

3000 to 5000

Yes
(battery 1^{re} gen.)

Problematic recycling

None

200 to 500 km

• Slow: **13 hours**
• Middle: **8 hours**
• Fast: **4 hours**

• For 40 000 km/year:
0 kg
• Manufacturing pieces and equipment:
1,8 T



Hydrogen

5 years
(fuel cell)

20 to 40 000 h.
(gaz bottle)

Yes
(not recyclables: platinum)

Problematic recycling

None

200 to 500 km

About 5 min.
for full filling

• For 40 000 km/year:
0 à 8,5 T/year
• Manufacturing pieces and equipment:
320 kg



Compressed Air

25 years
(gaz bottle)

illimited

None
(gas bottle)

None

None

150 km

• Slow: **15 min.**
• Middle: **8 min.**
• Fast: **5 min.**

• For 40 000 km/year:
0 kg
• Manufacturing pieces and equipment:
300 kg

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— NORMANDIE —

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Manufacturer datas