

## A First for South Africa - Government Funded LPG Minibus Taxi Conversion Programme



### Did you know?

- Minibus taxis in South Africa are constantly on the road transporting its working class but by doing that, **generating a huge amount of carbon emissions**.
- The Gauteng Province in South Africa is home to 44% of the country's vehicle population whilst it only covers 1.4% of its land area. This is an extremely high concentration of vehicular activity.
- This illustrates that **Gauteng's carbon footprint is not sustainable** and must be addressed.



The reduction in carbon emissions per taxi is approximately 11%. This means that for every 10 taxis converted, it equates to one taxi operating on zero carbon emissions.





## What are we doing?

- The **Automotive Industry Development Centre (AIDC)**, a government agency of the Gauteng Provincial Government, has fully funded the programme to install LPG conversion kits to 285 minibus taxis in Gauteng.
- Comprehensive emission reduction and performance tests were conducted for the first time under South African conditions.
- The conversion kits are dual-fuel configured hence can operate on both petrol or LPG at the flick of a switch.
- This fleet of converted taxis has justified **the establishment of six refuelling stations across Gauteng**. Hence private funding was leveraged to compliment the project.
- The AIDC, being the overall programme manager, **has also implemented an LPG auto-conversion artisan training programme to address the skills deficit in this sector**. To date forty artisans have been trained.

## What is the result?

- The Gauteng Provincial Government has fully funded the **programme to install LPG conversion kits to 285 minibus taxis** in Gauteng.
- This has resulted in a **sprouting of new refuelling infrastructure**.
- **Reduction in the carbon footprint by 11% per vehicle**.
- The catalytic effort of government's intervention to stimulate a new sector and the associated socio-economic benefits (job creation, GDP growth, etc).