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).