



transport

Department:  
Transport  
REPUBLIC OF SOUTH AFRICA

# **ELECTRIC VEHICLE INDUSTRY ASSOCIATION (EVIA) LAUNCH**

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***IDC CONFERENCE CENTER***

# Green Transport Strategy

NATIONAL DEPARTMENT OF TRANSPORT



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# Green Transport Strategy: PROBLEM STATEMENT

- Transport has been **identified as the fastest growing source of greenhouse gas emissions**, accounting for around **13% of National GHG emissions**.
- **Direct emissions from the transport sector from the road sector, account for 91% – mainly from the combustion of petrol and diesel.**
- The DOT is mandated to “maximize the contribution of transport to the economic and social development goals of our country by providing fully integrated transport operations and infrastructure”



# Green Transport Strategy: POLICY DIRECTIVE

**The GTS is a strategic document that INFORMS, and sets out the environmental directive of the DoT.**

- **NATIONAL**

- The Constitution of South Africa
- National Environmental Management Act
- White Paper on National Climate Change Response Policy
- National Development Plan
- National Strategy for Sustainable Development
- Electric Vehicles Industry Roadmap

- **INTERNATIONAL**

- UNFCCC (Nationally Determined Contributions)
- SDG



# Green Transport Strategy: LONG TERM VISION, MISSION, PRINCIPLES & VALUES



- **Long term Vision:**
  - **For the emissions and environmental impact of the transport sector to be substantially lower in absolute terms** than is currently the case, while at the same time all South Africans enjoy convenient, **safe, efficient and affordable access to transport.**
- **Mission:**
  - The GTS will **support the contribution of the transport sector to the social and economic development** of the country **while transforming the sector to reduce harmful emissions and negative environmental impacts associated with transport systems.**
- **Guiding Principles**
  - Based on the fundamental and **substantive principles of sustainable development** articulated in the National Strategy for Sustainable Development as approved by the Cabinet in 2011.
- **Values:**
  - **To meet the county's GHG emissions reduction targets** radical changes are required but these changes cannot undermine transport's contribution to meeting economic and social needs for connection and mobility.

# Green Transport Strategy

## CORE ELEMENTS

- To achieve **modal shifts** in the transport sector that reduce GHG, reduce congestion and improve temporal, spatial and economic efficiency - in particular, by shifting passenger and freight transport from road to rail, and **promoting public transport** and **non-motorised transport**.
- To promote the **use of electric vehicles and environmentally sustainable low carbon fuels**, including CNG, biogas, biofuels, and renewable energy to provide electricity for transport.
- To reduce fossil-fuel related emissions in the transport sector by promoting norms and standards and putting in place regulations that promote **improved efficiency in fossil-fuel powered vehicles**.
- To promote strategies for **delivering transport infrastructure and integrated transit planning that build climate resilience** in urban and rural communities and minimize the environmental impact of transport infrastructure.

# Green Transport Strategy: STRATEGIC FOCUS

## • Strategic Objectives of the GTS:

### GREEN FUEL ECONOMY STANDARDS

- Provide norms, standards and regulations that promote fuel economy in vehicles that improve emission standards of fuel in South Africa.

### GREEN TRANSPORT TECHNOLOGIES

- Reduce the carbon footprint of fossil fuels;
- Promote alternative fuels such as Compressed Natural Gas/ Biogas;
- **Promote the uptake of electric and hybrid – electric vehicle technologies;**
- Explore the option of Fuel Cell/ Hydrogen technology.

### GREEN RAIL

- Extend the Rail network to provide reliable, safe, efficient and affordable high-speed transport.

### GREEN ROADS

- PROVIDE INFRASTRUCTURE to promote non-motorised transport;
- Shift freight transport from road to rail;
- Shift passengers from private to public transport especially rail

# Green Transport Strategy

## CORE MEASURES

### Cleaner fuels and efficient technologies:

- Promote **uptake and adoption of CNG** as a transport fuel for public transportation (buses and taxis);
- Explore **Infrastructure support possibilities for CNG and EV sectors**;
- Research and prepare tax incentives for private sector use of low carbon fuels;
- **Uptake of Green Fleet Procurement of government vehicles (procuring of electric vehicles), ie electric buses in City of Cape Town**
- Baseline GHG analysis of government fleet; fuel economy norms and standards for vehicles to guide public sector procurement, incremental procurement of EVs;
- **Expand EV charging infrastructure and promote innovation and localization of “FUEL CELL” battery technologies.**

# Green Transport Strategy: CONCLUSION

**Implementing green transport solutions is vital to a sustainable, healthy economy.**

The GTS is envisaged, to **minimise the negative effects of energy usage** upon human health and the environment. This will be achieved **by encouraging sustainable energy development and energy use through efficient practices and investing heavily in green transport** in order to meet its global obligations and ensure that it's people and environment are secure in the future.



**END**

**THANK YOU...**

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