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MD of Mazda Southern Africa









Robin van Rensburg

MD of Fiat Chrysler Automobiles South Africa









Fanie Kleynhans

CEO of Auto Pedigree







Mark Finlayson

CEO of WesBank Motor





MOTOR TRANSPORT: A HISTORY OF INNOVATION





SPOT THE CAR AMONG THE HORSE CARRIAGES

5th Avenue, New York City, 1900



Picture: National Archives and Records Administration. 1900



MORTON STREET, CORNER OF BEDFORD, LOOKING TOWARD BLEECKER STREET, MARCH 17, 1893.

Picture: "Street-Cleaning and the Disposal of a City's Wastes." George E. Waring



Large cities all around the world were 'drowning in horse manure.'

WesBank SOUTH AFRICAN

YEAR

Necessity is the mother of invention, and the invention in this case was **motor transport**.



SPOT THE HORSE

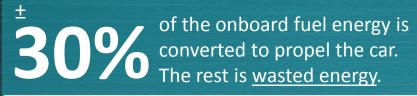
5th Avenue, New York City, 1913

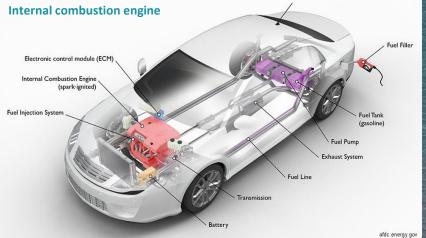


Picture: Shorpy Historical Photo Archive



A NEW TYPE OF WASTE The energy efficiency crisis of the 21st century





90% of the onboard stored energy is converted to propel the car. This is <u>highly efficient</u>.

Electric vehicle Electric Traction Moto Power Electronics Controlle DC/DC Converter Thermal System (cooling) Traction Battery Pack Charge Port ransmission **Onboard** Charger Battery (auxiliary) afdc.energy.gov



SOUTH AFRICA AND NEW ENERGY





SOUTH AFRICA'S TECHNOLOGICAL CONTRIBUTION Impacting the global EV industry



The lithium-ion battery

The CSIR contributed to lithium-ion battery research through the discovery of lithium-metal-oxide electrode materials as early as the 80s.







THE FUTURE OF EVs IN SOUTH AFRICA SANEDI is making strides

South African National Energy Research Institute (SANERI)

National Energy Efficiency Agency (NEEA)



SANEDI exists to direct, monitor and conduct applied energy research and development, demonstration and deployment of specific measures to promote the uptake of **Green Energy** and **Energy Efficiency** in South Africa.







COLLABORTIVE GOVERNMENT INTERVNETIONS With the support of SANEDI



Trade and Industry REPUBLIC OF SOUTH AFRICA





Department: Energy REPUBLIC OF SOUTH AFRIC.



environmental affairs Department: Environmental Affairs REPUBLIC OF SOUTH AFRICA



EV project aimed at stimulating the uptake of EVs into the SA transport sector Currently developing a Green Transport Strategy for the transport sector

SANEDI provides inputs into the Energy Efficiency Strategy Launched the Zero Emission Electric Vehicles program (aka DEA Green Cars) Supports research and development of energy storage technologies





ELECTRIC VEHICLES INDUSTRY ASSOCIATION





EVIA is a national platform comprised of public and private sector entities that collaborate to shape the future of Electro-Mobility in South Africa

Providing a platform for sharing of ideas, plans and successes Creating a favourable environment for the use of cleaner mobility in SA Supporting the development of a sustainable mobility friendly policy and regulatory framework

Jointly developing sustainable mobility solutions for integration into smart cities in South Africa Promoting cooperation and trust amongst the public and private stakeholders Creating awareness of EVs in South Africa



MACROECONOMIC SCENARIOS

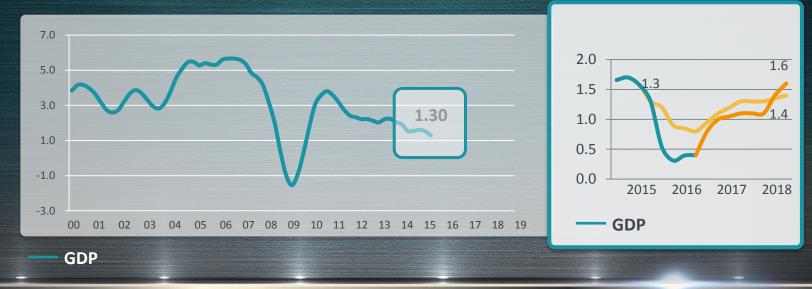




GDP GROWTH:

Predictions vs. actual

GDP prediction 2016GDP prediction 2017

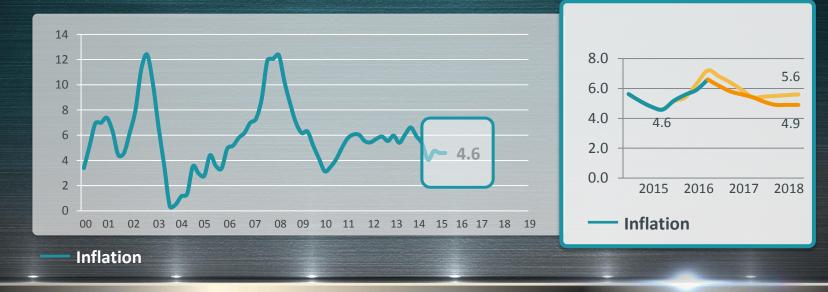






INFLATION: Predictions vs. actual

Infl. prediction 2016Infl. prediction 2017



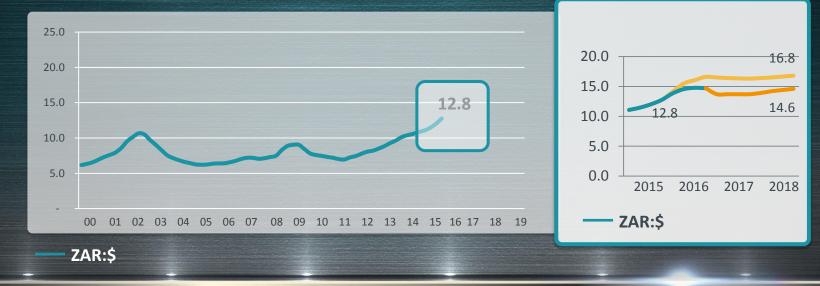




ZAR:\$

Predictions vs. actual

ZAR prediction 2016ZAR prediction 2017

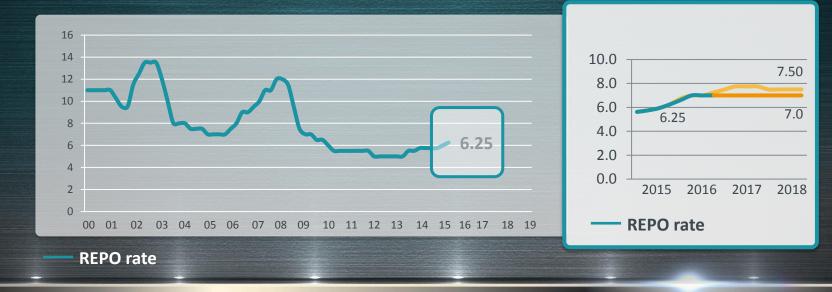






REPO RATE: Predictions vs. actual

REPO prediction 2016REPO prediction 2017







A REVIEW OF PREVIOUS PREDICTIONS





OUR PREVIOUS PREDICTIONS

	Actual	WesBank	Variance
2011	578 877	567 850	-1.90%
2012	630 542	612 660	-2.84%
2013	649 216	638 508	-1.65%
2014	644 257	646 228	0.31%
2015	617 691	650 031	5.24%
2016	547 480	543 306	-0.76%

WesBank



THE 2017 FORECAST





WESBANK'S 2017 PREDICTION

Ŷ	Dealer		Total Market			
	2016 Actual	WesBank forecast	% Change	2016 Actual	WesBank forecast	% Change
Passenger	222 451	218 002	-2.0%	361 273	365 926	1.29%
LCV	139 132	142 332	2.3%	159 197	164 488	3.32%
CV	19 663	18 852	-4.1%	27 010	26 586	-1.57%
TOTAL	381 246	379 186	-0.5%	547 480	557 000	1.74%







