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Department

# OUTCOME 6: AN EFFICIENT, COMPETITIVE AND RESPONSIVE ECONOMIC INFRASTRUCTURE NETWORK.

**Government launches a cleaner and reliable alternative energy to power industries** *By Jacob Molete: GCIS, Gauteng* 



Fatima Haji and Stoney Steenkamp showcasing the charging to hydrogen fuel cell at the HySA Systems low pressure station at Impala Refineries in Springs.

In an effort to develop safe, clean and reliable alternative energy sources, the Department of Science and Technology (DST) collaborated with Impala Platinum to develop a fuel cell-powered forklift as part of developing hydrogen fuel cell technology. The forklift was tested and showcased on 24 October 2016 in Springs.

Through the HySA Systems programme, Impala Platinum has pledged R6 million towards the development of a fuel cell-powered prototype forklift and a low-pressure refueling station.



# government communications

Government Communication and Information System REPUBLIC OF SOUTH AFRICA





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The partnership seeks to develop the hydrogen fuel cell technology to address the issue of energy access, energy security, environmental protection and economic growth through the beneficiation of platinum and supply value chain development of the hydrogen fuel cell technology.

"At the DST we are concerned about ensuring energy security, hence the eagerness to develop hydrogen fuel cell technology under the National Hydrogen and Fuel Cell Technologies Research, Development and Innovation Strategy, branded as Hydrogen South Africa (HySA) in 2008. The strategy seeks to stimulate and guide innovation along the value chain of hydrogen and fuel cell technologies in South Africa, aiming to position the country to drive and optimise local benefits from supplying high valueadded products from beneficiating the Platinum Group Metals to the potentially increasing international markets," said Director: Hydrogen and Energy, Cosmas Chiteme.

Fatima Haji said, "The fuel cell powered forklift is clean and has no emissions compared to the diesel forklift, again it takes about two to three days before refueling, meaning prolonged drive time and significant increase in productivity, in contrasts with diesel and electronic forklifts refueled daily."

"The forklift is faster, safer, quiet and does not emit fumes compared to diesel powered forklift therefore improve productivity and air quality in the working environment because our workspace does not need ventilation," added Stoney Steenkamp of Impala Platinum.

Chiteme stated that the driving force behind the development of hydrogen and fuel cell technology is the prevalence of platinum reserves in South Africa. Given that the Platinum Group Metals are the key catalytic materials used in most fuel cells, and with more than 75% of the world's known platinum reserves found within South Africa, there is a great potential for socio-economic benefits to be obtained from these natural resources.

Through the strategy, the DST is focused on using local resources to create knowledge and human resources capacity, enabling the development of high-value commercial activities in hydrogen and fuel cell technologies. This has the potential to address issues of energy access and security, environmental protection and economic growth through beneficiation of platinum, to develop a safe, clean and reliable alternative energy source to fossil fuels.



Cosmas Chiteme said: "The fuel cell-powered forklift has demonstrated the benefit of the metal hydride technology, including longer run and operational time between refueling."



#### Fatima Haji said: "Implats plans to use the hydrogen fuel cell technology as its main source for material handling and underground mining equipment."



Peter Matjila said: "I was employed in the road infrastructure development of Moeka and I am happy to get money to maintain my two-year old baby."



Sipho Lekalakala said: "I will use the money I was paid as an employee at the road infrastructure project to do a driver's licence."

## **OUTCOME 4: DECENT EMPLOYMENT THROUGH INCLUSIVE ECONOMIC GROWTH.**

### **Road project creates employment for the community**

By Ephraim Malema: GCIS, North West



The new road in Moeka allows vehicles to move smoothly.

To achieve sustained poverty reduction and create employment for the local community, Moretele Local Municipality is building road infrastructure in Moeka village. The project has created employment for the local community and allowed smooth-sailing public transport such as taxis, which transport commuters between areas such as Makapanstad and Pretoria.

Proper transport access has been built in the village of Moeka to allow cars to move freely without any disturbance. In the past years, the village had problems accessing roads during summer when it rains. The problem has been resolved with this new road infrastructure development project.



Nelisiwe Mgabha said: "The programme has been very helpful since I was advised about the process of applying for liquor licence as a willing tavern owner. Through this programme I wish that government can bring us information and services closer to us so that we can avoid paying consultation fees, which I feel are unnecessary."



Mkhege Ntuli said:

"I came to seek clarity on consumerprotection unit. I had a funeral policy which covered my grandmother in-law. After her death the funeral parlour could not pay off the full amount of the funeral expenses. We were told that she is old and we were never told that she cannot claim because of her age. I am happy that consumer protection will investigate my matter as per their advice."

### **OUTCOME:3 ALL PEOPLE IN SOUTH AFRICA ARE AND FEEL SAFE.**

### **Transport Month activation at Ithala Centre**

By Thandinkosi Zulu: GCIS, KwaZulu-Natal



GCIS and RAF employees assisting clients during the Ithala Centre activation.

Government Communication and Information System (GCIS) together with the Road Accident Fund (RAF), KwaZulu-Natal Department of Economic Development and Tourism Environmental Affairs (DEDTEA) and the KwaZulu-Natal Liquor Authority had a successful activation to promote Transport Month at Tugela Ferry Ithala Centre on 6 October 2016.

The project was one of the initiatives by the GCIS to render government services to needy communities as part of Transport Month, which is observed under the theme: "Together we move South Africa Foward". The programme came after the annual Thusong Service Centre Week initiative, where the GCIS observed a number of challenges faced by the community of uMsinga, which included access to RAF services. The mall-activation project was a swift response to some of those challenges, where more than 40 eligible community members were able to lodge their claims directly to the fund.



Siyabonga Sokhela said: "I was happy to apply for Road Accident Fund claim since I could not go to Pietermaritzburg. Although I have not completed my application I have high hope that it will be finalised soon since they will come back to continue with the process."



Nomusa Thwala said: s injured during a car accid

"I was injured during a car accident and I came to claim for Road Accident Fund (RAF). The programme is very helpful since we cannot afford to travel to Durban for such services and we wish that RAF can come very often to help us here at Msinga." Some clients' cases however, could not be lodged to the RAF due to the three-year period deadline. According to RAF consultants, their claims have passed the due dates. "I am just disappointed to hear that after the passing away of my husband we thought our lawyer is processing the claim and

it deeply hurts since we paid admin fees for such claims to be processed," said Nomasonto Mthembu, one disappointed community member.

The handy activation comprised officials from Consumer Protection Unit who educated consumers about their rights and the KwaZulu-Natal Liquor Authority, who afforded an easy access to clients, stakeholders and public seeking liquor advice and service. Phumelele Pahla said that it is important that liquor business be regulated to comply with the legislation.



DEDTEA consumer-protection unit officials assisting clients during the activation.

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Lerato Sethabela said: "We are happy that different government departments are in our area especially the NYDA and the SANDF as we really need door of opportunities to open for us."



Community members listening to speeches by different speakers.

## OUTCOME 12: AN EFFICIENT, EFFECTIVE AND DEVELOPMENT ORIENTED PUBLIC SERVICE AND AN EMPOWERED, FAIR AND INCLUSIVE CITIZENSHIP.

### Government takes services to the community

By Mojalefa Senokoatsane: GCIS, Free State



Deputy Minister Ayanda Dlodlo during her keynote address at the DPSA Imbizo that was held in Kroonstad. The Acting Premier welcoming the Deputy Minister to the event.

The South African Government prides itself for being able to provide quality service delivery to its citizens. Government ensures that all citizens are taken care of all times. The State has put in place fundamental prescripts that ensure that services within the three spheres of government is proficient and the citizenry is treated with respect. The *Batho Pele* principles are among those pillars that ensure that government functions effectively and efficiently.

On 14 October 2016, the Department of Public Service and Administration (DPSA) together with the Free State Provincial Government and Moqhaka Local Municipality hosted an Imbizo that was accompanied by the service-delivery programme that was held in Kroonstad at the Seisoville Community Hall. This initiative by the DPSA was intended to ensure that the citizens of Moqhaka are afforded an opportunity to interact with their leaders as some were recently inaugurated after the Local Government Elections. Some of the dignitaries who were present included the Deputy Minister of Public Service and Administration, Ayanda Dlodlo, Acting Premier, Sisi Ntombela, MEC Benny Malakoane, MEC Mabafokeng Mahasa, Executive Mayor of Moqhaka, Tshidi Koloi, Speaker of Moqhaka, Mpho Chakane and other government leaders.



Mosa Motaung said: "I am happy that I am now registered in the Department of Labour database and I hope in the near future I will be able to get a job."



The venue was packed to capacity with members of the community.

The Imbizo was attended by approximately 1 500 people and was divided into two programmes, the first one being an Imbizo session where the communities of Kroonstad, Viljoenskroon and Steynsrus were provided with a platform to engage with their government leaders. The second session was a Service Delivery Drive, where community members could visit different stalls to access services. Some of the entities that were at the event included the South African Social Security Agency, departments of home affairs, social development, health, water and sanitation, correctional services, National Youth Development Agency, South African National Defence Force, Government Communications, South African Police Service, Road Accident Fund, South African Revenue Service and the Premier's Office through community development workers.



The Working on Fire Platoon doing their drills at the event.



Some of the government departments and entities offering services at the event.