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RUSTENBURG, NORTHWEST

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- ERECTORS COURSE  
- WELDING SAFETY

SECTION 28 & SECTION 13 ARTISAN AND CAN'T FIND A JOB To guarantee yourself on the job market come and get a all in one Test to make sure you know your job. If you are willing to upgrade yourself you can come and do a crash course with us. Companies must also do their best to send people for the course to upgrade the Standard of company's workers

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## Why aeroplanes are recycled...

Most people are probably aware that gold demand is mostly for jewellery. In fact, over three quarters of it is. However – according to Dillon Gage Metals – most people are not aware that gold, silver and platinum are also employed in aeronautics and space travel. Did you know that in the last plane ride you took, the craft was most likely coated with a thin, gold film that helped control temperatures during the trip?

"Precious metals are used in airplanes, especially in engines, and when a plane is scrapped, the metals are recovered for their value and recycled," says Terry Hanlon, president of Dillon Gage Metals in Dallas.

Gold is useful as a conductor and lubricator, he adds. Up to 80% of an airplane can be recycled, and precious metals can provide half of a plane's recycling value. When engines are scrapped or rebuilt, between US\$6 000 and US\$18 000 worth of precious metals can be recovered through leaching and radioactive processes. That is not small change considering that gold prices climbed this year, and lots of planes are scrapped in periods of economic weakness and when new models are built.

Gold reached an all-time high of US\$1895 an ounce in August after silver rallied to a lofty \$48.70 an ounce in April. Planes were scrapped after the 9/11 disaster because air travel suddenly dropped. Only the newest and most efficient aircraft in the graveyards ever return to flying. According to the U.S. Defence Logistics Agency, gold is used in aeronautical circuitry for relays, transistors, diodes and contact points, while silver is employed in electronic parts and welding and brazing wire. On the other hand, the Platinum family metals are utilized in aircraft spark plugs and electronics.

Gold is a dependable conductor and connector in aeronautical circuitry. The yellow metal helps plane parts hold up well, reducing maintenance and repair costs. Thin films of it between moving parts serve as lubricants. And because of gold's reflective qualities, many airplane parts are fitted with gold-coated, polyester film to reflect infrared radiation and stabilize temperatures on board. Otherwise, those dark-looking parts of an aircraft would absorb a tremendous amount of heat. Interestingly, Gold is also used in space suits. A thin coating is applied to suits worn by astronauts to protect them from radiation and deflect burning sunlight. Because gold is expensive, it's only used when cheaper substitutes will not do. But – when one considers the number of lives at risk in air and space travel and the billions of dollars spent on it – precious metals are worth it!



**the dard**

Department:  
Agriculture and Rural Development  
North West Provincial Government  
Republic of South Africa



## Affording farmers an opportunity to grow...

The implementation of the key departmental flagship projects over the past three years did not only create a platform for job opportunities and skills development for beneficiaries, but has also laid the foundation for sustainable agricultural growth.

### OUR FLAGSHIP PROJECTS ARE AS FOLLOWS:

- **NW/IDC Nguni Cattle Development:** Twenty four (24) Nguni cattle are provided for each qualifying site to breed Nguni cattle.
- **Western Frontier Beef Beneficiation:** Participating farmers are trained on how to become part of the beef value chain.
- **Taung Irrigation Scheme:** Through the upgrading of the pivot system, the main canal and the soil drainage system, participating farmers are aided to increase the agricultural production and economic opportunities in that area.

- **Agricultural Mechanization:** Participating agricultural entities are given agricultural machineries comprising tractors, trailers, planters etc, to begin to work the productive and fallow arable land.

- **Fencing:** Through this project, grazing areas, crop production fields and department supported projects mainly for the land reform beneficiaries get fenced to mainly control the carrying capacity on the land, through rotational grazing.

Tune into Mafikeng FM and Radio Mafisa every second and last Tuesdays of each month and on Vaaltar FM and Star FM on every second and last Wednesdays of the month starting from 14h00 till 15h30 to hear more about our services.

For additional information on the departmental services, contact us on **018 389 5719**



Nguni Cattle Development

Western Frontier Beef Beneficiation

Taung Irrigation Scheme

Agricultural Mechanization

Fencing

Working together, we can do more.

