



**SOUTHERN MAPPING  
COMPANY**  
360° all the time

# ON THE RADAR

News for Southern Mapping Company clients

## Highlights of 2009

SMC has had an eventful 2009. Despite disruptive weather conditions we have managed to successfully completed nearly 50 projects throughout the African continent. Projects of particular interest included:

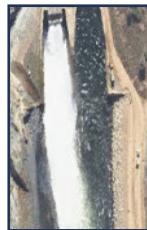
### *Metro mapping for the City of Johannesburg's Corporate Geo-informatics Directorate*



SMC was responsible for flying the entire City of Johannesburg as well as the Driefontein water treatment works.

The company will provide the City Council with a new set of colour digital orthophotos with an image resolution of 15cm, a Digital Elevation Model (DEM) dataset and contours of the city.

### *220kV Power line at the Ngovi Dam – Huambo, Angola*



The company provided a Lidar derived digital terrain model and digital orthophotos with an image resolution of 10cm for a proposed power line between Ngovi Dam and Huambo.

### *Songea Mining area – Tanzania*

We provided a Lidar derived digital terrain model and digital orthophotos of the Songea mining area. The data set will be used for design of mine infrastructure, pits, dams (freshwater and tailings) as well as to combine with the geological surveys for resource estimation.

### *Rusumo Falls Hydro Electric project – Burundi, Rwanda and Western Tanzania*

The project included a Lidar derived digital terrain model and digital orthophotos with an image resolution of 15cm for a proposed hydroelectric power generation dam. The data set provided will also be used for socio-economic and environmental impact assessments.

### *Pruissen Water Pipeline – Limpopo Province*



SMC provided a Lidar derived digital terrain model and digital orthophotos with an image resolution of 10cm for the Pruisen water pipeline. The data set will be used for the design of the pipeline to facilitate water supply and sanitation in the Limpopo Province.

## International media visits SMC



The editor and owner of GIM International, Durk Haarsma recently spent time with SMC at their offices in Johannesburg. GIM International is a world renowned publication that reports on the latest news, developments and applications related to the geomatics industry.

Says Peter Moir, chief executive of SMC: *"It is great to know that international journalists who are experts in our industry are interested in our company. Through discussions we were able to*

*gain valuable insight regarding global trends in land surveying, GIS, photogrammetry, remote sensing, Lidar and various other aspects relevant to our field. Durk had a keen interest in our urban development surveys and spent time at the City of Johannesburg's geo-informatics offices."*

Keep an eye out for Durk's review of SMC and their recent project for the City of Johannesburg's Corporate Geo-Informatics (CGIS) Directorate ([www.gim-international.com](http://www.gim-international.com)).

### SMC takes to the skies with new addition

SMC is proud to announce the purchase of a Cessna 206. The aircraft will be used for local projects. The pick-up-and-go portability of the ALTM Orion M-200 is a perfect fit to this aircraft, ensuring rapid and accurate surveying.



### Seasons Greetings

SMC would like to wish you and your family a blessed festive season.

*What do you call people who are afraid of Santa Claus? Claustrophobic. Ho-ho-ho!*



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