

A Stefanutti Stocks Publication

# Benchmark

Continuous pursuit of higher levels of performance

**Award Winning Letseng  
Diamond Mine Project**

**Cape Gate Medi-Clinic**

**Petrochemical Capabilities**

**New Airport for Swaziland**

**Surfacing division off to  
a good start with SANRAL**

**Socio-economic development**



United in bridging your expectations

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## From the CEO

With the hourglass of 2009 rapidly emptying we reflect on some of the happenings at Stefanutti Stocks during the past year.

Once again it was a year full of excitement with many positive developments in line with our mission statement.

Our operations expanded further into neighbouring countries and we are in the process of setting up a new construction operating unit in the Middle East. Income from outside South Africa increased from 17% to 22%, and we plan to grow this to in excess of 30%.

The Group's total turnover increased by 55% since August 2008 with operating profit up 45% for the same period. In spite of the current economic downturn, we have managed to secure significant projects in most of our business units. Our order book has grown since February 2009 to R6.65 billion and we are on track to achieving our financial targets for February 2010.

Our mission includes the creation of 'a desirable place of work for our employees, being a natural home for creativity and enthusiasm, within a safe working environment'. Our efforts in this regard have been recognised with numerous safety and industry awards, some of which are detailed on pages 2 and 24.

In addition, we have successfully concluded the re-structuring and harmonisation process. Not only is Stefanutti Stocks a recognised force in the Southern African construction industry but the Stefanutti Stocks brand is also fast becoming a household name.

The buy-out of minority shareholders in subsidiary companies is almost complete. From March 2010 ECMP will operate as Stefanutti Stocks Mining Services, Skelton & Plummer will operate as Stefanutti Stocks Mechanical, Eddcor will operate as Stefanutti Stocks Electrical & Instrumentation and Civil & Coastal will operate as Stefanutti Stocks Marine. During the year we acquired the business of Waste Energy Recovery and Management (Pty) Ltd which will in future operate as Stefanutti Stocks Material Handling.

It is amazing what we can achieve if when given credit for our work, we acknowledge our success as 'we' rather than as 'me'. Teamwork is certainly one of the Group's greatest strengths. Furthermore, by continuously pursuing higher levels of performance and providing quality work on time, we will continue to be a preferred contractor.

On behalf of management and the Board of Directors, I would like to thank you all for your considerable efforts over the past year, and also take this early opportunity to wish you and your families a peaceful and blessed break over the festive season.

*Willie Meyerling*

Our passion and unwavering commitment to service excellence continually surpasses each benchmark we set, and will continue to drive the success of the Stefanutti Stocks Group.

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## Fulton Award Winner - Construction Techniques

**Project:** Cold Weather Concreting on Letseng Diamond Mine Project in Lesotho (featured on page 3). Consulting engineers were Bateman Consulting (Pty) Ltd.

**Judges' Citation:** It impressed the Judges that this Design Engineer/ Contractor combination worked so well together in order to perform a project that many of their contemporaries deemed impossible during winter in the highlands of Lesotho, and in so doing provide an economically viable solution to the client.

Amongst the noteworthy challenges that were overcome successfully by this team was working at altitude, working on steep inclines, problems with the availability of cement and suitable aggregates, access, manpower and most significantly, mixing and placing concrete in very low temperatures.

The technical specification that was developed, including daily time regimes, was regarded by the judges as ground breaking in Southern African terms.

## Fulton Award Commendation- Construction Techniques

**Project:** Rehabilitation and Widening of bridge over Olifants River, Witbank. Consulting engineers were Nyeleti Consulting.

The bridge (pictured right) was rehabilitated, strengthened and widened to create a safer walkway.

## Master Builders Association - Building Gauteng & KZN take top safety awards

More on page 24.

## International update

### Growth in the Middle East

Peter Keenan has recently joined us to head up the Stefanutti Stocks Construction business unit in the Middle East.

### Race to completion!

With all Grand Prix fanatics eyes on Abu Dhabi, the United Arab Emirates once again promises to deliver astounding images. The eye-catching new Yas Hotel complex has recently opened to coincide with the Formula 1 Etihad Airways Abu Dhabi Grand Prix .

Stefanutti Stocks' fit-out operation in the UAE, Al-Tayer Stocks, completed the public areas including the gymnasium on the roof, swimming pool areas, main

entrance lobby, a high-class spa and the link bridge between the two buildings. The link bridge comprises of a restaurant and bar area. The Formula 1 raceway goes under the bridge.

### First for leisure!

Other exciting current projects in the Middle East include the fit out for Dubai's Bloomingdales store - the first store of this well known American brand outside of the U.S.A!

Al-Tayer Stocks was the first contractor 'on land' on Saadiyat Island, a new cultural island where they built the Gary Player golf academy and a maintenance building that will double up as a club house. "Back on the 'mainland' at the Abu Dhabi Golf Club, we recently refurbished the falcon shaped main club house", says Ken Stocks, managing director of Al-Tayer Stocks. "We are hoping that this is just the first package of a much larger project".



An artists impression of The Yas Hotel Abu Dhabi and link bridge, designed by Asymptote Architecture, New York.



## New appointments:

- Craig Morris, Director ECMP (Pty) Ltd.
- Stephen Goodhead, Director ECMP (Pty) Ltd.
- Freddie Strydom, Director ECMP (Pty) Ltd.
- Marco Pasquali, Director, Stefanutti Stocks Material Handling (Pty) Ltd.
- Nico Vermeulen, Director, Stefanutti Stocks Earthworks (Pty) Ltd.

## NOSA 5 star

Stefanutti Stocks Civils (Pty) Ltd achieved a NOSA 5 star rating. The two sites that were audited were the "Flying Saucer (R21) and Brakfontein Interchange" and the "SASOL 4th Train Landlord Project" (featured on page 5).





Caption

## The Letseng Diamond Mine - an award winning success

Source: Shaun Butler



**Stefanutti Stocks Civils recently completed the process plant at the Letseng Diamond Mine in the remote Maluti Mountains of Lesotho, located 3 100m above sea level.**

The footprint of the bulk rock excavation was set at 30m wide to the toes of the embankment and 95m long, incorporating five stepped terraces with heights varying from three to ten metres. The proposed location of the plant was set on the existing 17 degree sloping ground surface to facilitate a gravity fed process plant. The levels from the top of rock terraces were required to facilitate the surface bed to be laid in falls.

### The scope of work encompassed:

- Primary crusher foundation walls and suspended slab;
- two cone crusher foundation walls and suspended slabs;
- the main building and crane column foundations;
- bins, screens and platform foundations;
- thickener foundations;
- clear water foundations constructed as circular wall footings;
- access stairs to the pathways on either side of the buildings;
- surface beds including up stand kerbs;
- retaining walls to support terraced backfilling;
- gunniting of sloping rock faces on the inside of the plant;
- dish drains;
- MCC building;
- stockpile tunnel and plant feed conveyor;
- tailings conveyor; and
- clarified & potable water pump station.



Extreme temperatures and weather conditions presented some challenges.

The complexity of the contract was not in the construction but rather the conditions that are prevalent in Lesotho.

The road to site, in addition to being incredibly steep (with gradients of up to 15% at an altitude of 3 100m asl) also contained a number of acute hairpin bends. This meant that we had to take into consideration the length and type of vehicles that could take the turns and make the climb. During the winter, the roads were covered in ice and snow, and it was a common occurrence that graders had to be sent to recover vehicles.

The temperatures in the Lesotho mountains range between plus 20 and minus 20 degrees Celsius, with an average temperature of six degrees. The project won a Fulton Award for the cold weather concreting, which presented many challenges to the design engineers and the construction management on site. "The prevailing temperatures meant that we were casting concrete in sub-zero conditions," says Shaun Butler, contracts



director. "In order to cast the concrete, a special mix design was required and concrete had to be heated and specially cured through the application of thermal blankets".

The altitude took its toll on our senior staff, some of whom suffered from altitude sickness and respiratory problems. "This meant an influx of our younger Stefanutti Stocks colleagues," says Shaun. "The average age of the supervisory staff on site was 27 years old - and the successful completion of this project under trying conditions, is a great achievement for the 'young' team!"



the Mining Services business unit. “All produced coal is laboratory tested and verified to conform with Eskom’s specifications and requirements”.

#### Discard Recovery/Placement

- Screening of existing dumps.
- Blending of screened product.
- Placement of final discard (all in accordance with stringent compaction specifications in order to prevent spontaneous combustion).
- Final discard dump rehabilitation.
- Slurry disposal and management.

#### Materials Handling

- Handling of all terrace coal into bins, trucks, trains and feed points.
- Handling of materials from designated dumps and stockpiles.

#### Current clients include:

Billiton Energy Coal SA; Xstrata; Exxaro; Emcebo Mining; Eskom; Siyanda Coal; Graspan Colliery and Optimum Coal.

“We are confident that these services will reinforce and enhance our activities in the coal mining industry,” says Mike. “Our long term objective is to expand these services nationally across the various mining areas”.

## Coal Mining: Material Handling

Source: Mike Smith

Stefanutti Stocks Material Handling (Pty) Ltd recently acquired W.E.R.M (Waste Energy Recovery and Management) to bolster the Mining Services business unit’s capabilities within the S.A. Coal Mining Industry.

Currently, the business acts as a service provider to the coal mining industry in the following key areas:

#### Energy: Coal Processing

- The reclamation of coal discard and fine coal (slurry) in order to effectively produce a Power Station Feed Product.
- The process involves the drying and reclaiming of fine coal, reclaiming of discard and middlings followed by careful blending to produce a material that meets the required specifications for a feed product into the Eskom Power Stations.

“We currently mine, blend, dry and process in excess of 4.28 million ton per annum,” says Mike Smith, head of

## Generating power, generating growth...

Source: Jan Oberholzer

“Since inception a few months ago, the power division has been combing the market for strategic acquisitive opportunities and proper partnerships,” says Jan Oberholzer who heads up the Stefanutti Stocks

mechanical, electrical and power business unit.

On the distribution side we have established a working relationship with ZRB Electrical, who has in excess of 25 years of experience in the distribution power industry, while on the transmission side we have established a permanent

working relationship with RGF Power Projects, who have in excess of 21 years experience. A lot of this experience has been gained outside the borders of Southern Africa, a geographic area we had identified as a priority for the division.

In addition, a memorandum of understanding with Mkhulu E.D.P. has been signed, with the intent of working together on high voltage overhead transmission line construction. Mkhulu E.D.P. has a proven track record and their growth strategy complements that of the Stefanutti Stocks power division.

“We believe there are synergies in working together with all three of these companies,” says Jan, “and have already tendered in joint venture on a selection of projects outside of South Africa”.

Dave Mochrie has been appointed as commercial manager for the power projects division. He brings with him 36 years of construction experience of which a large proportion is beyond the borders of South Africa.



#### Pictured from left to right:

Allesandro Lamperini (Mkhulu E.D.P.), Peter Ramaite (Mkhulu E.D.P.), Jan Oberholzer (Stefanutti Stocks), Gino Stefanutti (Stefanutti Stocks), Roger Venzo (RGF Power Projects) and Marcello Lamperini (Mkhulu E.D.P.).



Petrochemical capabilities instrumental in award of

# NOSA five star rating

Source: Deon Henn



## A fast and safe turnaround for SASOL

Stefanutti Stocks Civils (Pty) Ltd recently completed the civil and structural works for the stirrer and cooling train forming part of the gasifier demonstration program (GDP) at Secunda.

This fast track project for Sasol, undertaken in conjunction with Lurgi, was programmed for one month. It included piling, construction of foundations and plinths and the installation of a multi level steel structure. The piling was undertaken by Stefanutti Stocks Geotechnical. A project management instruction (PMI) halfway through meant a change to the scope of works to allow for the installation of their vessels, which we priced for and were awarded. This was completed within the revised contract period of one and a half months.

We worked seven days a week to complete the project on time, including the safe installation of the vessels, which did have an impact on our initial installation plan.

“To work in a refinery your safety awareness is paramount,” says Deon Henn, contracts manager. “Our teams have become specialist in the petrochemical field, and both projects were LTI (lost time injury) free for the full extent of the scope of works”.

Whilst this project was underway, we successfully priced on a substitution. The site team has remained on site at Sasol working on this six month contract, which is running on programme. Bulk excavations works, strip footings and columns for the first floor have been completed.



The GDP Stirrer Cooler under construction.

Stefanutti Stocks Civils (Pty) Ltd undertook the civils works for the 4th Train Landlord Project, which forms part of the overall Secunda growth programme. This was undertaken for client SASOL in conjunction with project managers Foster Wheeler.

This project took place on a live plant, which underwent a scheduled shut down part-way through the contract. “As shut down work takes precedence, we had to ensure our forward planning was faultless,” says Deon. “This included accurate five to seven day forecasts and constant communication between existing contractors to enable us to continue working whilst not impeding the priority shut down work”.

The scope of works included electrical and civil works including:

- the demolition of existing surface beds;
- excavations to bases and the construction of four new tanks;
- rerouting live drainage channels;
- applying chemical resistant linings to the tanks; and
- numerous pump and tank foundations and plinths.

*The Stefanutti Stocks Civils safety department requested that the team on this project be one of two teams to represent the company for a NOSA audit and rating. Safety manager, Jaco Strydom and safety officer, Ernst de Vries, and our site team were instrumental in the successful achievement of our NOSA five star rating.*



Front row left to right: B Minnie, D Rademeyer, P van der Merwe and S Sorosho. Middle, left to right: N Potgieter, F de Bruin, L Mashamba, A Buchler and D Henn. Back, left to right: C Diedericks and Q Clark. Not pictured: W Blom, W McKenzie and D Bruwer.

## NG149 Pipeline capacity increase at Komatipoort

Source: Shaun Butler

The construction of a new compressor station at Komatipoort, Mpumalanga will increase the flow capacity of the natural gas line from the Temane gas field in Mozambique to Secunda. Two new gas turbine driven compressors are being installed, together with all associated ancillary equipment and services.

This project, undertaken by Stefanutti Stocks Civils (Pty) Ltd, includes the structures, civil works and buildings required to accommodate the new equipment.

### The civil scope of work entails:

- Trimming, re-leveling and compacting earthworks terraces and existing roads;
- excavations for the construction of reinforced concrete foundations for structures and equipment;
- installation of underground pipes in concrete sumps and basins;
- construction of reinforced slabs and paving at grades;
- construction of roads and paving;
- construction of building structures in reinforced concrete and brickwork.
- erection of security fences and gates;
- application of graveling surfacing and grassing to unpaved areas; and
- grouting under base plates of equipment and steelwork erected, aligned and leveled by other contractors.

During the contract the scope of works was increased by 30% and it was imperative to co-ordinate and plan with the other contractors on site.

“With daily contractual targets having to be achieved, the completion of this contract hinged on the seamless running of all construction activities,” says Shaun Butler, contracts director. “Great co-ordination between all parties, including a number of other subcontractors, has meant that this contract is now nearing successful completion”.

## The Sasol Temane Expansion Project

Source: Ken Gibbs

Stefanutti Stocks Civils KZN (Pty) Ltd is currently undertaking the expansion project at the Sasol Temane Central Processing Facility (CPF) in Mozambique.

The CPF is situated at Temane in Inhambane Province, about 750 km north of Maputo, at the centre of an on-land gas field. Gas is piped to the CPF from wells in the region. It is then filtered, compressed and piped to Secunda in South Africa.

The original Sasol Temane Project was completed and commissioned in 2004. The increase in demand for natural gas in Secunda has resulted in the current expansion project.

Our contract includes minor earthworks and road works and industrial civil works. The civil works include two double-storey sub-stations, a control room, slug catcher, condensate tank and bunded area, various sumps and equipment bases, incinerator and a flare drum.

The concrete volume required is 6 500m<sup>3</sup>. We are crushing the coarse aggregate for the concrete and crusher run for the roads at a quarry near the site. We chose to crush our own aggregates as the nearest reliable crusher to the site is 800km away. “As we are quite remote, our biggest challenge is the logistics,” says Ken Gibbs, contracts director. “Due to the remoteness of the site and the time that it takes to transport and import the necessary materials and equipment, onsite planning has to be on the mark. Once orders are placed the support teams have to dispatch the goods in double quick time. The great support from our KZN and Maputo offices have however paved the way for a smoothly run project”.

The civil contract duration is 14 months and is due to be complete in March 2010.



**Back, left to right:** Riaan Faul, Albie Faul, Thembinkosi Gumedede, Mandlakhe Mpontshane, George Mapuranga, Nathan Hopkins, Omoi Johnson, Lucas Pinga, Santos Chiboze and Jared Wilkinson.

**Front, left to right:** Howard Smith, Davidson Tapererwa, Dustin Phiri, Frederico Mbendane, John Mkara and Ken Gibbs. Seated (centre): Paulo Muepeta.

**Not pictured:** Johannes Nkwanyana, Robert Khuzwayo, Sanele Ntuli, Robert Brogan, Albert Pinga, Sean Mckee, Jose Da Cunha, Fransiscus Marnewick, JC Naude, John Mpesi, Alton Mjwara, Shadrack Khubeka and Helder Quintiao.



The substation under construction.

## De-silting catchment dams and vlei areas in the SA Mining Industry

Source: Mike Smith

The environmental clean up objectives of most Mining Houses includes the “clean out” of catchment dams and associate downstream vlei areas. These areas are typically filled with silt derived from years of overflow from processing plant areas. After years of service, catchment dams have minimal storage capacity and as a consequence, the downstream vlei areas are often contaminated with fine silt residue. These areas are generally saturated and water logged thereby precluding the efficient use of mechanical equipment (loaders, backactors and trucks) to achieve the task at hand. Limited success has been achieved around the footprint perimeter where machines have reasonable underfoot working conditions. Attempts to clean areas beyond the perimeter generally fail due to access problems.

ECMP provides the Mining Industry with an alternative “hydraulic mining option”. The first step is to install the required infrastructure (i.e. high pressure water pipelines, slurry disposal pipeline, monitor guns, slurry pumpstations, etc.) followed by “the hydraulic mining exercise”.

“We have successfully completed several of these projects, achieving the Mine’s objectives in the specified contract period within the allowable budget” says Mike Smith, managing director of ECMP. “It is our intention to actively market this expertise throughout the S.A. Mining Industry where a strong demand for an effective environmental clean up solutions exists”.



The reclamation of saturated silt and reeds from vlei area using high pressure monitoring guns.

## P.P. Rust 600 KTPM Concentrator Projects

Skelton & Plummer Projects (Pty) Ltd offers turnkey projects in the fields of civil, mechanical, electrical and instrumental engineering. At the P.P. Rust site we were responsible for the supply, installation and corrosion protection of piping in the following areas:

- **Overland material handling piping**

The overland materials handling piping consisted of high pressure water, potable water and plant air which followed a route from the primary crusher through to the silos and secondary crushing and screening areas thus providing all the necessary services to the various material handling buildings.

- **Tailing piping**

The tailing pipeline consisted of ± 2 000 meters of 400 NB R5 rubber lined piping linking the new plant with the new silt dam.

Other overland lines which were installed were the process water, potable water and the return water lines ± 4 000 meters of piping of various sizes ranging from 100 NB to 450 NB.

- **Reagents**

The reagents area consists of two different areas: flammable area and the non flammable area. Where all the piping in the flammable side consisted of stainless steel which required specialized welding and welding equipment. Safety showers and flame arrestors were also supplied and installed at suitable points.

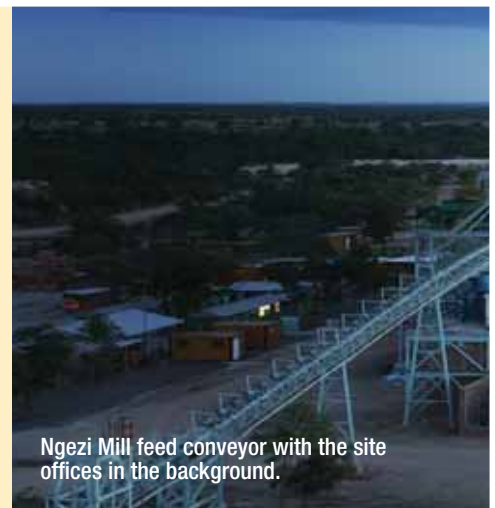
The non flammable reagent area included for the supply and installation of various interconnecting carbon steel galvanized and painting piping.

The reagents areas in general consisted of all in-plant piping including the installation of 14 pump sets and control valves as well as all the necessary services such as plant air, potable water and high pressure water.

**The total length of stainless steel piping installed was as follows:**

- 25mm stainless steel piping.
- 50mm stainless steel piping.
- 80mm stainless steel piping.
- 100mm stainless steel piping.

“The Skelton & Plummer contract turned out to be successful for both the client and the contractor,” says Aubrey Michel, managing director of S&P.



Ngezi Mill feed conveyor with the site offices in the background.

## Constructing civil structures in remote African locations

Source: Bob Fordyce

Stefanutti Stocks Civils (Pty) Ltd has recently completed two projects in Zimbabwe. The first, the construction of a concentrator for Zimbabwe Platinum Mines at Ngezi Mine. The second, a platinum concentrator plant for Unki Mines, a subsidiary of Anglo Platinum.

“Usually during projects, we seek to find the most innovative solutions to technical problems and try to push the boundaries in terms of our engineering capabilities,” says contracts director Bob Fordyce. “During our time in Zimbabwe however, we found an entirely different set of our capabilities being tested - above the logistical considerations including communications and power, we were faced with a difficult local economic situation, which meant food and local currency were scarce resources.”

The steep learning curve we underwent working at Ngezi certainly laid the foundations for a smoother project process at Unki. Furthermore, the successful completion of both projects has established Stefanutti Stocks in Zimbabwe, with the necessary expertise to undertake any project, of any scale, that may arise.

### Ngezi

A concentrator plant was constructed for Zimbabwe Platinum Mines Ltd at the remote Ngezi site. The project consisted of the construction of two 5 000 ton silos, a mill area, rougher and cleaner flotation, thickener area, process water tanks, reagents storage & mixing, pipe & cable



Nightfall over the Ngezi site.

racks, offloading bunkers and a number of conveyor bases & infrastructure buildings. This also included the sliding of the two silos at 34m in height by our specialist slip-forming team.

In order to achieve the smooth running of this project, we needed to ensure that our planning and research was accurate, to ensure supplies and materials did not run out. The majority of the equipment was exported from South Africa, and we had to factor in up to seven weeks to get our 'cargo' across the Zimbabwean border. All the built in items were also exported from South Africa, including the cement as the local cement was not of the desired quality. Local currency issues also made it impossible to purchase goods locally - the only material available in Zimbabwe was the aggregates for the concrete.

Due to the non-availability of food in Zimbabwe, this also had to be trucked in from South Africa. The entire site team was given lunch on a daily basis, in certain cases this was the only meal the locals would have all day and they were also given the opportunity to take some home so they could share with the other family members. We also had to ensure that the South Africans working on site had enough basic supplies as nothing was available in Zimbabwe.

"We employed sixty percent of our labour force locally, these had to be paid in local currency," says Bob. "With the rocketing inflation rate and restrictions on daily withdrawals, it took careful planning to ensure we had enough money on hand to pay out wages". A definite benefit to the community was the skills development on the project which saw employees being trained to be shutter hands and construction hands. Local qualified civil engineers were employed and exposed to real "fast track" contracts and the experience gained will be extremely beneficial to their future career development.

The 18-month project was successfully completed under extremely difficult conditions. The concentrator has been commissioned and is currently operational.

The Ngezi project achieved and exceeded their one million LTI free safety target.



5000 ton silo.

## Unki

The scope of works at Unki was to build a platinum concentrator plant for Unki Mines, a subsidiary of Anglo Platinum. This included again two 5 000 ton silos, a number of conveyors, a milling area, flotation area, tailings and concentrate handling, reagents plant and infrastructure buildings.

We got off to a good start on the Unki project as we could resource some of our plant and equipment already in the country. In addition the local knowledge gained at Ngezi, enabled us to get the contract off the ground a lot quicker.

A major concern during the project was the shortage of water, which caused problems with the batching of concrete and we eventually had to pump water out of the river to overcome this problem. At a peak, we employed 600 people on

site, including our subcontractors. Once drinking water became a concern, we added bottled water to our shipment of food already coming in from South Africa. A cholera outbreak in the country did cause some concern, however we were fortunate enough not to have any of our staff affected.

The project was completed successfully after 12 months and we commend the clients project team Vhumbanani in providing the works information on time.

"We have cemented not only structures in Zimbabwe, but also partnerships with local contractors and have also assisted in their further development," says Bob. "We look forward to undertaking more projects in Zimbabwe and building on these new relationships".

The Unki project achieved 800 000 LTI free hours.



Central Ready Mix Batch plant at the Unki site.



## Richards Bay Minerals MSP Tailings Plant Civil Construction

Source: Wade Leaf

Stefanutti Stocks Civils KZN increased their participation in the growth of the Richards Bay region, by recently being awarded the Richards Bay Minerals (MSP) Tailings Plant Project. The award is the culmination of more than 16 months of pricing and intensive negotiations. The 12-month contract was ultimately awarded in June 2009, with mobilisation of resources following soon after in July 2009.

### Scope

The MSP Tailings Plant is being constructed to enable the client to extract more valuable minerals from the surrounding dunes more efficiently.

The project is split into four areas, viz. Area 200, 300, 400 and 600, with a total forecast volume of concrete of approximately 10 000m<sup>3</sup>.

### Area 200 - Feed Preparation Area

- Foundations and columns to three overhead conveyor systems.
- Foundation structures to three transfer towers.
- Extensive structural modifications to the Road Hopper Bridge.
- 350m, reinforced concrete retaining walls.

### Area 300 & 400 - Wet and Dry Plant Areas

- Foundation structures to main building.
- Water collection tank, plinths, floors and launders.

- Construction of intermediate reinforced concrete floors and staircases to six storey structural steel electrical building.

### Area 600 - Water Treatment Plant

- Three water clarifiers.
- Two cone settlers.
- A clear water tank.

Despite serious start-up delays, the team has shown tremendous commitment in overcoming these challenges to currently report being on programme, with progress at 30% completed. This commitment, under extreme safety and procedural pressures, is further reflected in an excellent safety record and a satisfied client.

“Congratulations to the team at RBM on your ongoing commitment” says Wade Leaf, contracts director. “No doubt this will once again result in yet another successful Stefanutti Stocks project in the Richards Bay Area”.

## Komati Power Station- an innovative design delivered

Source: Mike Stevenson

The award of the construction of a stacker reclaimer for Eskom in 2008

was based on an innovative design & construct response by Stefanutti Stocks Civils (Pty) Ltd to Eskom's tender requirements.

We proposed a more economical and effective alternative design based on a bridge construction of a lighter weight linear stacker reclaimer. Lyonell Fliss & Associates were instrumental in this design, which comprised of piled foundations with a capping beam and a series of secondary beams.

Stefanutti Stocks Geotechnical undertook

the piling on this project. The original geotechnical report did not give us a clear picture of the ground conditions, and once on site we discovered that there were existing foundations from previously demolished structures. “We adapted our design to incorporate these existing foundations making them an integral part of the final structure,” says Mike Stevenson, contracts director. “This was achieved without delays or major financial implications to the client”.

The project was completed without any LTI.



Komati Power Station stacker foundations.



The linear stacker under construction.

## DMO - Performance & Safety a key to success

Source: Mike Stevenson

Stefanutti Stocks Civils (Pty) Ltd. recently completed the Douglas Middelburg Optimisation (DMO) ROM stockpiles and conveyors project.

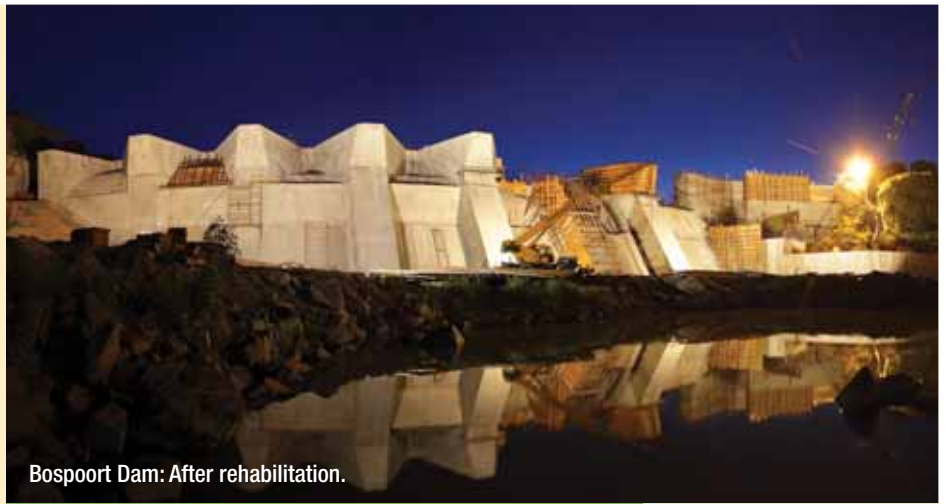
### The scope of work at this BHB-Billiton coal mine included:

- 120m diameter circular stacker;
- 670m linear stacker; and
- associated civil work including conveyors and transfer towers.

"Our performance, sterling safety record and a recommendation by the mine to price other work has resulted in the award of further projects at the DMO" says contracts director, Mike Stevenson. "Project manager Francois Vermeulen and his team must be commended for their sterling efforts."

A total of 250 000 hours were achieved without LTI. With the additional work a new target of 500 000 hours has been set, thus far we have achieved 380 000 LTI free hours on the way to our new target.

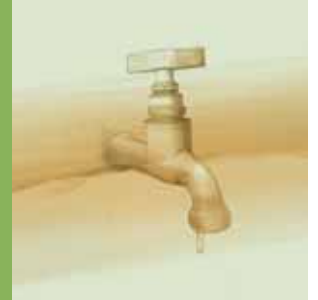
The circular stacker under construction.



Bospoort Dam: After rehabilitation.

## Bospoort Dam - Rehabilitated and safer

Source: Shaun Butler



Some 18 months down the line, the rehabilitation of the Bospoort dam for client DWAF (Department of Water Affairs and Forestry) is almost complete. The dam has been rehabilitated in line with safety requirements.

"Whilst work was underway it was imperative to control the water level of dam in order to construct 80% of the works," says Shaun Butler, contracts director. "However, we had to do so without limiting the water supply to the water works and the community down stream".

During the duration of the contract the main dam has been modified, including the removal of the existing spillway gates. The demolition of the dam spillway crest (NOC), non-overspill crest, piers, decks, slabs, training walls and NOC took place under extreme caution to ensure the existing post tendon cables of the dam were not damaged.

A total of 15 000m<sup>3</sup> of concrete was placed on the dam wall comprising of labyrinth walls, buttresses, outlet works,

NOC and auxiliary spillway, with the majority of work taking place 26m above ground.

A total of 75 000m<sup>3</sup> of mainly rock was excavated for the new concrete saddle spillway some 75m long, in which curtain grouting was required as well.

Three saddle embankments were reconstructed and a new stabilized toe on the upstream side of the structure was formed through dumping of material to approximately one third of the height of the structure. New rip rap protection was bedded on the upstream face to replace the existing protection, while a new gravel protection layer was installed on the downstream face.

"There have been many contributors to this project," says Shaun. "Our client DWAF, the engineers - GOBA & ARQ joint venture, Stefanutti Stocks Earthworks, Stefanutti Stocks Geotechnical and of course our site team, were all instrumental in the successful completion of works".

Bospoort Dam: Before rehabilitation.





**Back row:** Grant Kruger, Luis Mateus, John Pereira, Fred Prins, John-Paul Pereira and Calvin Naidoo.

**Front row:** Jean-Luc D'Unienville, Quwyn Dray, Shannon Moll and Siphon Gumbi.

**Insert:** Alpheus Khubeka.



## The Umgeni-Inanda Interchange upgrade

Source: Grant Kruger

This project, undertaken by Stefanutti Stocks Civils KZN, comprises the upgrading of the Umgeni/Inanda Split Interchange on the N2 in KwaZulu Natal, for client SANRAL.

### The upgrade includes:

- The construction of two new jackspan

routes, retaining walls and soil anchor beams, as well as the construction of new infill decks between the existing decks of the bridges across the Umgeni River;

- the demolition of existing traffic barriers on the existing service road bridges and N2 bridges; and
- the construction of 690m of new F-type SANRAL traffic barriers.

Additional work on the contract requires the construction of 450m of structural steel walkway which will be installed on the outside of the service road bridges, thus allowing an additional traffic lane in each direction.

The one kilometer long bridge site is situated on the N2 highway and forms part of a very busy intersection. The traffic volume is extremely high in this area, and lane closure was limited to off-peak periods only. Vehicular access is not always possible.

The original method of constructing the 44m long decks over the river would have been to span the piers with a pre-stressed steel truss, and erect formwork on this truss. This would have necessitated the lowering of the truss and the formwork units into the river and then moving them on to the next section as work progressed, however for environmental reasons and ease of

## Repairs to No.1 Concrete Silo at Harmony Central Plant, Virginia

Source: Leon Mentz

The two 6 000 ton gold-ore silos at Harmony's Central Plant Refinery in

Virginia were originally constructed in 1986. They were lined with railway tracks to absorb the impact of the ore and to reduce the wear on the silo wall when discharging the ore into the outlet hoppers.

The continuous impact of the incoming ore was concentrated mainly on two areas of the silo wall, resulting in a gradual reduction of the wall thickness. This, combined with the friction of the discharging ore and the failure of the railway tracks, led to the sudden disintegration of a 2m diameter section of the silo wall.

In early June 2009 Stefanutti Stocks Civils

began to rehabilitate the first silo as specified by Walker Ahier Holtzhausen Engineering Consultants.

### The scope of work included:

- removal of damaged and loose concrete;
- replacement of missing reinforcing steel;
- installation of new rail liner brackets;
- guniting the silo wall to its original profile;
- installation of new rail tracks; and
- post tensioning of the silo.

Our first task on site was to provide a safe platform inside the silo on which our scaffolding was to be erected. The 3.5m



The Stefanutti Stocks site team.



construction, the method was changed.

The adopted method therefore involves the precasting of the decks on one side of the river and then moving them into position using a gantry which runs along a rail. The major concern with this method was whether the cantilevers of the existing bridges could carry the weight of the new decks, which weighed 310 ton and 195 ton for the service road and median decks respectively.

Once it was established that the existing decks could carry the load, a concrete rail beam was cast on either side of the gap and a series of steel gantries were placed over the gap to carry the new deck. Seven gantries are being used in series to distribute the load sufficiently across existing cantilevers. The new decks were then cast in position on one side of the bridge and lifted using a computerised hydraulic system and then towed 180m across the river into their final position.

In order to lift the decks, a total of 28 jacks are used, each with a capacity of 30 ton. "The computerised hydraulic system allows us to control all of the jacks to a 2mm tolerance between jacks" says Grant Kruger, contracts manager. "The system also enables us to tilt the beams in both the transverse and longitudinal directions if required".

The project is 45% complete.

deep openings over the three discharge hoppers and the overhanging dead box material made access for the scaffold erection unsafe and virtually impossible. "In order to create a level platform, we manually relocated the 400 m<sup>3</sup> of dead box material into the voids over the hoppers," says Leon Mentz, site agent. Due to the unstable nature of the ore, our team was attached to life-lines by means of safety harnesses, and suspended from the top of the silo.

The principal activity of the project was the guniting of the wall once the brackets were in place. The criteria for the material used was that it had to obtain 70 MPa in compressive strength after 28 days. A specialized pre-bagged, ready-to-use, fibre-reinforced cementitious mortar mix, containing a unique blend of selected cements, micro-particles and a combination of admixtures is being utilized. This material provides a long lasting durable surface and the micro-particles reduce rebound thereby lowering costs. "Strength tests during installation indicated that we had surpassed the compressive requirements, by attaining results in excess of 80 MPa," said Leon.

The contract is on track for completion in early November 2009.

## A mega marine project at the Cape Town Container Terminal

Source: Graham Moore

The increasing size of container ships visiting the Cape Town Container Terminal has necessitated the dredging of the berth to a depth of -15.5m Chart Datum in order to accommodate the larger vessels. In addition, to ensure that the integrity of the existing container berth quay wall was not compromised and in order to cater for the larger berthing forces, a piled structure needed to be constructed alongside the existing container berth.

Civil marine specialist, Civil & Coastal, in conjunction with our JV partner, has been on site since late 2007 undertaking this berth deepening and quay refurbishment of the Ben Schoeman Dock for client Transnet. Currently valued at over R900 million, this four year project is due for completion in 2013.

As construction is in a working port, the project is being undertaken in four phases to facilitate uninterrupted mooring of container vessels.

### The scope of work includes:

- Dredging the Ben Schoeman basin;
- Piling;
- Precast concrete;
- Ground anchors;
- Quay furniture; and
- Scour protection.

The dredging operation has progressed successfully and is 95% complete. The instability of the existing quay wall led to the decision to install ground anchors in the underlying rock layers to prevent rotation of the wall.

The new piled structure being

constructed alongside the existing container berth consists of a row of 150 number 914mm diameter piles, which are being driven parallel to the existing quay at intervals of 6 850mm. The piles are vibrated into the sea bed with a vibratory piling hammer, and once the piles hit hard rock, a pile socket is drilled using a Wirth pile top drill rig. Rebar is then inserted into the pile casing and concrete tremmed into the piles.

Due to construction restraints the need for a precast construction yard was identified. We have set up a precast yard in the harbour and are manufacturing our own precast for this project. Precast panels are placed on top of the row of piles and span between the piles and the existing deck. Once the precast is placed we then perform in-situ concrete casts tying the structure together.



A birds eye view of berth 601, with suspended deck complete and ground anchors being installed.



Cranes at work: A 914mm pile being installed on berth 601.

Once the new deck is cast, the installation of new quay furniture follows including bollards, fenders and crane rails. In the areas up against the new quay, scour protection in the form of grout blankets are installed on the sea bed.

Where the ground conditions are not conducive to conventional methods a split deck option will be implemented creating a completely separate structure from the existing quay. 84 number 1 422mm pile against the quay wall will act as a pin preventing the quay wall from slipping out.

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## Piling for Brickmakerskloof Bridge, Bakens Valley- Port Elizabeth

Source: Petrus van Straten

In August 2009 Stefanutti Stocks Geotechnical (Pty) Ltd was appointed to carry out the piling which provided founding for the new proposed road-over-river bridge, spanning across the Sharks River in the Brickmakerskloof area, Port Elizabeth. The three-month project is being undertaken for the Nelson Mandela Bay Municipality.

The existing bridge was closed for traffic in 2006, due to severe flood damage, with the new proposed bridge and access road replacing the existing infrastructure.

A total of 48 piles (14 at each of the two abutments and ten at each of the two piers) are currently being installed. To complicate matters 70% of the piles are being installed as 1:8 raking piles. The piles are formed by means of augering and coring through alluvium, medium hard rock (25MPa) and hard rock (100 MPa). This combined with severe groundwater seepage and the occurrence of alluvium gravels and boulders, results in severe sidewall collapse.

"In order to address the challenging geological aspects of the project," says Petrus van Straten, contracts director, "we priced the works with an alternative for the installation of 750mm diameter temporary-cased auger cast in-situ piles with an average pile drilled length of 9m". The bottom of the pile holes are cleaned thoroughly by a cleaning bucket, followed by airlifting. Concrete is placed by means of a tremie whilst the temporary casings are being extracted.

Shear dowels are being installed through pre-placed steel tubes to provide additional scour resistance.

Quality control measures include carrying out two compressive load tests, load testing the piles to 1.5 times the design working load. In addition, integrity testing by means of the CSL method is being carried out to confirm concrete shaft integrity.

## A dolomitic grouting solution for Adcock Ingram Healthcare

Source: Deon van Rensburg

Stefanutti Stocks Geotechnical (Pty) Ltd has been awarded the contract for the dolomitic solution for the high-volume packing facility for client Adcock Ingram Healthcare in Clayville, Olifantsfontein.

The project commenced in September 2009 and entailed the rehabilitation of two possible sinkholes.

We drill 114mm diameter holes using a down-the-hole hammer and then grout up the voids under pressure by pumping in a 5MPa sand-cement grout mix.

We measure and monitor using state-of-the-art electronic Jean Lutz (drilling) and Red Lion measuring equipment (grouting).

At the beginning of October the project had reached its half way mark and 481m<sup>3</sup> of grout had been pumped.

Site agent Ulrich Cooke and foreman William Nhlapo are happy with progress on site.



Grout being discharged into pump.



Redlion logger - grout volume being monitored.



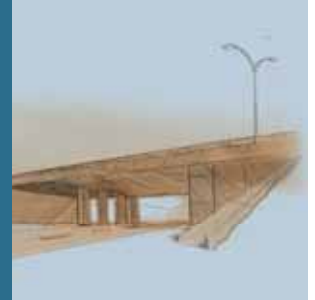
Extraction of casing - using Stefanutti Stocks Geotechnical A-frame design.

The Brickmakerskloof piling team.



## Lateral support to six sites along the Gautrain line

Source: Shaun Nell



In late 2008 Stefanutti Stocks Geotechnical (Pty) Ltd was awarded the lateral support contract for Bombela CJV for three sites along the Gautrain line from Frankenwald to Nelmapius Road, (Frankenwald Bridge, Maxwell Bridge, Nelmapius) - with an original tender value of over R7 million. As the project progressed, an additional three sites (Allandale Cute, Dale Road and the New Road Service Bridge) were added, more than doubling the contract value.

Unforeseen geological conditions were encountered at Dale Rd, where we discovered a diabase dyke that crossed the excavation. "This necessitated quick thinking and action so as not to lose too much time on the project," says Shaun Nell, managing director of the geotechnical division. A unique solution to suit the environment was designed and new equipment and technology was introduced.

"We installed 914m of micro-piles with our C8 Casagrande Rig in seven working days getting the construction of the wall back on track," says Shaun.

During this project, which was completed in September 2009 we implemented a variety of different methods of lateral support. Worth a mention are the spectrum of drilling machines used on the six different sites, as well as the wide

variety of tools and machinery used to complete the project. These methods included drilling with:

- a DTH Hammer with a hand boom from scaffold;
- a Furukawa Air Rig;
- a C6 Casagrande Drill Rig;
- a Comacchio Drill Rig;
- Drilling and installing titan bars with a Comacchio Drill Rig;
- Drilling and installing 200mm steel tubular micro-piles with an C8 Casagrande Drill Rig; and
- Drilling and installing 300mm grouted piles with a C8 Casagrande Drill Rig.

During this project a total of 4600m<sup>2</sup> gunite was placed, the majority of which required a wood floated finish.

"We always had a minimum of three sites running at the same time," says Marius van der Merwe, contracts manager. "The seamless communication and great team work resulted in the successful completion, to the client's satisfaction, in September 2009".

### Other noteworthy quantities:

- Soil Nail Drilling, installation and grouting: 11 365m
- Total gunite: 1 440m<sup>3</sup>
- Mesh Ref 395 installed: 4 296m<sup>2</sup>
- Grout Cement: 9 410 bags



## Fair play @ Princess Magogo Stadium, Kwamashu

Source: Dave Lourenco



The development of Princess Magogo is forging ahead and the sports stadium will serve as one of South Africa's largest training venues for the 2010 World Cup. The contract commenced in January 2009 and involves both civil and building operations.

The stadium grounds will incorporate an athletics track, ball courts and the entire field and banks have been reconstructed to align with the new stands. The infrastructure around the stadium is also being upgraded with the aim of developing the venue as a sports and events hub for the local community. Very strict environmental restrictions were imposed on the extensive external works as the surrounding area falls under a 'wetland' reserve zone. On a 'green note', the stadium grass will be grown from sprigs on site. The grass on the pitch will be to similar specifications as Durban's main stadium - the Moses Mabhida stadium - and the grass will therefore serve as a back-up should anything go wrong at the main stadium.

The demolition and underpinning of the foundations of the existing structure was required to accommodate the new grandstand extension and additional floor levels. The mezzanine levels comprise offices and VIP/hospitality suites, which

will be used to host different events once the World Cup is over. The extent of the roof structure will incorporate walkways and platforms to accommodate camera crews, inline with SABC and SuperSport requirements. Close attention has been paid to the general finishes and specifications as a whole in order to meet FIFA standards.

"Our greatest challenge", said Dave Lourenco, site agent, "is the time frames for completion, which is scheduled for the end of 2009. We have increased our resources and up to 400 people are employed at peak. We have several work-faces running concurrently, so close co-ordination of operations is vital, in particular with regard to the access required for the erection of the four 46m high lighting masts and the surrounding follow-on trades".

In terms of employment, it was an integral (and audited) part of the contract that the surrounding community benefits from the employment opportunities. "This applied not only to Stefanutti Stocks," says Dave, "but also to our subcontractors. A lot of effort was invested in training and transferring the necessary skills to these individuals, and ensuring that the quality of work and our attention to detail was upheld at all times".

## Sikhupe Airport, Swaziland - building a national airport in less than a year!

Source: Shaun White

The Swaziland Government recently awarded the Stefanutti Stocks operations in Swaziland two contracts forming part of the overall construction of the new national airport.

The first contract is the construction of the passenger terminal and cargo buildings, with the second contract consisting of the critical services buildings including the Fire Station, Air Traffic Services Building and the Air Traffic Control Tower.

"We started on site in June 2009 and despite at times struggling to get the correct information we have established a good pace," says Shaun White, contracts manager. "An achievement by the site team deserving of a special mention is the pouring of a 700m<sup>3</sup> suspended slab in a 16-hour, two team shift for the Terminal Building".

The concrete structures to the ATS Building and ATC Tower are complete. The 50m high control tower was slipformed by Stefanutti Stocks Civils over a continuous period of 15 days. The builders works are well under way and due for completion and handover early 2010 for the installation of specialist air traffic control equipment.

The concrete structures to the Fire Station and Terminal Buildings have been completed and we have entered the next phase of the project, where enclosing the external envelope of the building is critical to allow the internal works to continue unhampered by the elements.

Project completion date is currently scheduled for mid 2010.



Construction of the three floor terminal building of Sikhupe Airport.



The sliding of the air traffic control tower was undertaken continuously over a period of 15 days.

## Need offices? We'll travel

Source: Dries Goetz

Stefanutti Stocks Building Gauteng has been expanding its areas of operation and exploring new markets, one of these being the town of Ermelo, where they are currently constructing new offices for the Gert Sibanda District Municipality.

The project, undertaken in joint venture with Khumbula Property Services, consists of two phases. Phase one, which the team is currently busy with consists of a 6-storey main building and two 4-storey office blocks. Phase two, which is scheduled to commence on 1 September 2010 consists of two 3-storey and two 2-storey office blocks.

We have a batching plant on site and place the concrete utilising two tower cranes. To date we have placed 4 500m<sup>3</sup>.

Once complete the main building will have a massive concrete dome as part of the roof slab. The dome will be cast in-situ and in layers making it a time-consuming process. Formwork will be erected on purpose-made trusses and the shutter board will be cut by laser to ensure a perfect fit.

"Working in a location that does not have readily available resources meant we had to plan carefully prior to commencing work on site," says Dries

Goetz, contracts manager. "There are however also advantages to working in quieter localities," continues Dries. "One that comes to mind is the two minute journey to site in the morning!"



**Back row left to right:** Charlton Bihl, Sindy Hlophe, Dries Goetz, Fortunate Ngubane, Charles van Wyk and Willie Meyer  
**Front row left to right:** Vickus Thomas, Tsepang Senotlela, Abiot Masoko and Sean Rautenbach.



The installation of the feature lift and staircase prompted the landlord to upgrade all the entrances, paint some of the external surface areas, finishing everything off with new age horizontal zinc-alum wall cladding, signage panels and Howsolpan signage surrounds.

## Shopping is even better at Kenilworth Centre

Source: Peter Leppan

Kenilworth Shopping Centre, which is well over 30 years old, has undergone a major upgrade and expansion in recent years, to modernise and bring it in line with the expectations of the 21<sup>st</sup> Century shopper.

"The relationship with the client commenced with a negotiated small works contract being awarded to Stefanutti Stocks Building Western Cape in 2007," says Peter Leppan, contracts director. "After two years this has grown into almost R100 million worth of work".

The renovations and extensions were all undertaken within an operational shopping centre with an approximate monthly footfall of 950 000. The scope of works included new builds (such as the 2 000m<sup>2</sup> food court which now houses many of the national food brands, and a new 5 000m<sup>2</sup> Game store). Further upgrades were undertaken to the existing mall including Shoprite (to Checkers) and upgrades to the entrances, public toilets and external areas. Checkers received a new double volume bulk store making room for the new Virgin Active Gym.

"The team achieved every milestone that was set," says Peter, "and we are currently finishing off and will be handing over on schedule in November".

## Adding a little more glitz to the Golden Horse Casino

Source: Malcolm Reeves

Stefanutti Stocks Building KZN commenced work on the alterations and refurbishment to the Golden Horse Casino, Pietermaritzburg in August 2008.

The scope of work on this project included the refurbishment and new finishes to the casino, which consisted of new food & beverage facilities, a new studio for Radio Lotus, hotel foyer, hotel rooms and passages, public areas and the conference centre. Work also included the removal of existing screeds; plastered wall finishes; ceilings; shopfronts and shop-fitting; electrical; fire control and air-conditioning and the replacement of these with new services.

All work was undertaken while the casino was fully operational, and all necessary

measures zones were in place to ensure a minimal disruption to casino activities. Work zones were broken down into a number of phases and we worked our way systematically through the casino (and the project). Operational constraints meant that the original intended phasing was radically changed and we have had to constantly reprogram as work progressed.

Alteration work in the cashiers section was particularly difficult, as access to the area was restricted due to the security risk. Work in this area was split into four phases in an overall floor area of 100m<sup>2</sup>, to allow the cashiers to function continuously.

The Scottsville racecourse also forms

part of the complex, and on race days we had to clear all access scaffolding and material stockpiles, to ensure the racing public could move around freely and safely.

"It is a credit to the entire site management team, especially Shaun White, Paul Fenton, Justin Roberts, Nic van der Salm, Greg Cogan, Rob Haupt and Sahil Ramharak that the entire operation ran smoothly" says Malcolm Reeves, senior quantity surveyor. "Construction activities have caused little disruption to the casino and hotel, which has not lost a day's trading".

As a result of the successful completion of the casino we negotiated an extension and refurbishment of the conference centre and racecourse underpass, both of which are now complete.





The new Cape Gate Medi-Clinic in Brackenfell – the latest addition to the Medi-Clinic Group of Private Hospitals facilities.

## Cape Gate Medi-Clinic - making its mark!

Source: Gys van der Westhuizen & Jannie du Toit

### In harmony with the environment

*This 19 500m<sup>2</sup> hospital has been designed to achieve a balance between aesthetics and an environmentally-friendly design. Emphasis has been placed on natural and energy-efficient lighting through-out the nursing units and administration areas, and a water recovery plant is being installed to recycle autoclave and grey water for irrigation purposes.*

*Standby generators and a UPS system will ensure that the hospital can operate safely and without interruption should there be a loss of electricity supply.*

Stefanutti Stocks Building Western Cape commenced with the construction of the first major Medi-Clinic hospital, the Cape Gate Medi-Clinic in Kraaifontein in early 2008.

The 140-bed Medi-Clinic hospital, scheduled to open in March 2010, comprises of three and four-storey blocks with approximately 530 parking bays for visitors and staff. Facilities include 24-hour emergency centre, six operating theatres, an ICU, obstetrics unit with neonatal ICU, a pharmacy, pathology department, radiology department, consulting rooms and a restaurant.

The hospital is at an advanced stage of finishing and we have recently submitted the ICU for works completion and received a works completion certificate for the floor containing all the transformers, electrical switchgear, standby generators as well as the

basement parking and the morgue and other storerooms. "At each inspection, a three-man team scrutinizes every inch of the building," says Jannie du Toit. "They are looking not only at quality and aesthetics but also at the ergonomics and practicality of the new facility". Many of the areas inside the hospital are ultra-hygienic areas making it essential that they are thoroughly sealed against ingress of dust and other particles.

In addition to the other usual services installed in ceiling voids such as air conditioning, electrical, telephones, data cabling etc, we also have to install medical gas throughout, to serve each ward and bed through a vertical service panel situated at each bed position. In addition a nurse call system from each bed to the nurse station in each ward also has to be installed to facilitate emergencies and service to patients. A direct link from the radiology unit to the theatres and doctors consulting

rooms for transmission of x-ray images also form part of the services installation.

The three passenger lifts situated at the end of the link passages, are being commissioned and will be ready for the delivery of hospital equipment e.g. autoclaves, theatre beds and furniture.

We have received the design layouts for the 3 753m<sup>2</sup> area of doctors consulting rooms and their completion will coincide with the completion of rest of the building.

Site works, parking areas, roads and landscaping is progressing well and will be ready for handover on programme.

The latest edition to the Medi-Clinic Private Hospital Group is scheduled to open during March 2010.

#### Quantities:

- 8 183m<sup>3</sup> of concrete
- 1 675 190 bricks
- 18 000m<sup>3</sup> of earthworks



This healthcare facility, with all its detail and intricacies has left quite an impression on the enthusiastic 82 strong site team.

## From church headquarters to a 5-star hotel and designer retail

Located in Cape Town's CBD, 15 on Orange is a 5-Star luxury hotel development being built by Stefanutti Stocks Building Western Cape for client African Pride Hotels as their flagship designer hotel. The development comprises 130-suites; 12 penthouses; an adjacent 3 500m<sup>2</sup> boutique retail development; spa and wellness centre. Additionally, a range of classy restaurants, al fresco bistros and elite social nightlife venue will be aimed at a sophisticated local and international clientele. The project is a combination of demolitions, refurbishment and new build and will be opening at the end of 2009.





An artists impression of the Aula.

## Back to the University of Pretoria

Source: Greig Bastion

With the recent award of the construction of a new engineering building and parkade, Stefanutti Stocks Building Gauteng is back on site at the University of Pretoria. In 2008 Stefanutti Stocks successfully completed the construction of twelve blocks of multi-storey student residences at the University of Pretoria.

The scope of works includes both new

buildings and extensions to existing (heritage) buildings. The site was handed over in September 2009, with a contract completion date of February 2011.

### The new buildings include:

- A new student area and bridge links (800 m<sup>2</sup>);
- Four auditoriums, laboratories and offices (10 000 m<sup>2</sup>);
- Four levels of parking (26 800 m<sup>2</sup>);
- an entrance road and associated guard house structures (600 m<sup>2</sup>); and
- a pedestrian drop off area (1 500m<sup>3</sup>).

### Work to existing buildings, that fall under heritage protection include:

- The extension to the existing aula foyer and new circulation areas (1 500 m<sup>2</sup>); and
- a new library and extension to the Musaion events area (400 m<sup>2</sup>).

We are currently awaiting approval of the work to be undertaken in and around the heritage buildings.

"All aspects of the contract will be scrutinized by a number of experts," says Greig Bastion, contracts director. "Not only is the project team largely made up of engineering professors from the University, but the central location of the site ensures that young budding engineers and other technically minded students and onlookers have a clear view of construction".

The University of Pretoria has further increased the visibility of this contract by installing a webcam, which takes a photo of the site in 30 second intervals. Progress can be viewed on the university's web site at [www.up.ac.za](http://www.up.ac.za).

## Freedom Park - combining conventional with the unconventional

Source: Danie Moolman

Stefanutti Stocks Building Gauteng is in a 70/30 JV with Fikile Projects to construct the "Phase 2A" section of The Freedom Park in Pretoria. Our Client is "The Freedom Park", a Government funded Cultural Institution.

The facility, entitled //HAPO (The Dream) includes an exhibition area, a restaurant, conference facilities, a curio shop and a kiosk.

//HAPO is best described as a "structure", housing permanent and temporary exhibitions depicting the past 3.2 million years' of southern African history. The exhibitions depicting this history will be sub-divided in six epochs, namely Earth, Ancestors, Colonization, Industrialization, The Struggle and Nation Building.

The structure is made up of a conventional concrete frame on numerous different levels, connected by a series of ramps and staircases. From there, a very unconventional structural steel frame is clad with a build-up of acoustic layers, top-hats,

shutter boards, a slip sheet, a breather layer and finally copper.

"The whole building, roof and facades, is clad in pure copper!" says Danie Moolman, contracts manager for the project. "Like roof sheets, the copper is brought to site in coils weighing between 500 - 1 000kg each, and rolled into sheets which are then fixed to the sub-structure".

The structure is designed to depict six boulders protruding from the side of the hill. The inside of the building is also designed to give the feeling of being inside caves and, like the exterior, is also put together with many unusual shapes and sizes that have been formed with dry-wall partitioning, ceilings and bulkheads.

In addition to //HAPO, we are constructing a 1.6km long elevated spiral path made up of a structural steel frame and a timber walk way on the north and east slopes of The Freedom Park hill (old Salvokop). A strict Environmental Management Plan must be followed, making access a challenge. "We have needed to build a scaffold walkway along the route to enable access," says Danie. "We transport the material for the construction of the walk-way via wheelbarrows and 'hands' - not a mean feat when this consists of around 70 ton of structural steel, 3 500m<sup>2</sup> timber decking and 400m<sup>3</sup> of concrete!"

Other elements making this an extremely interesting and challenging project include the shaped windows and shop fronts; a "maze" of timber crate finish landscape

walls; some interesting water features; 850 linear meters of "designer" gabions; and sloped- and splayed face brick walls.

This project started in July 2008 with bush clearing, excavation of 33 000m<sup>3</sup> of material and lateral support to form the three major terraces. The first concrete was cast in September 2008 and completion is scheduled for March 2010.



**Back, left to right:** Gerhard Botha, Eddie Teicherdt, At vd Westhuizen, TC Schreuder, Caiphus Ngobeni and Godfrey Makhubela. **Middle, left to right:** Pieter van Aardt, Dusty Ramoshaba, Andre Patrys, Pinkie Lebogo and Divan Serfontein. **Front, left to right:** Danie Moolman, Voight Uys, Bazuka Lesele and Mali Ngqekethe. **Not pictured:** Chris Munatsi, Veronique Mojono, Juries Isaacs, Johan Ras, Thulani Ngwenya and Phiko Nqedo.





Mphofu Dam outlet structure.

## LUSIP - Tertiary Distribution System Phase 1(b) - phase two of a poverty alleviation scheme

Source: Derek du Plessis

Phase one of this poverty alleviation scheme designed to bring water to the dry lowveld area of Swaziland was completed in February 2009.

In June 2009 the second phase commenced, with S&B Civils Roads, a division of the Stefanutti Stocks Group, being awarded the 21-month tertiary distribution system project to supply irrigation water for 5 700 ha of land.

The scope of works during phase two includes the construction of 16 irrigation off-takes spanning 96 km.

This comprises:

- 56 km of pipeline, ranging from 200 mm UPVC to 700 mm GRP;
- valve stations;
- a single pump station; and
- 60 balancing dams fed from the LUSIP phase one primary and secondary canal supplies.

The people in this area are currently the poorest in the country and the aim is to transform the local economy from

subsistence farming into sustainable commercial agriculture, thus uplifting their standard of living. About 2 618 households are expected to benefit directly from the project activities and generally include smallholder farmers, mainly involved in sugarcane farming, cotton, maize and other high value crops under irrigation. The real long term benefits will only be appreciated, once the crops are planted during November 2009 and harvested later in 2010.

250 local labour from the various chiefdoms have been employed, with training and skills development an ongoing focus. "We have also set up a clinic run by a qualified sister," says Derek du Plessis, director of the Swaziland Roads & Earthworks operation. "The clinic has been well received and takes care of entry and exit medicals, AIDS testing and

counseling, as well as the treatment of minor injuries and ailments".

Remote bushveld, spanning 96 km of rough terrain, makes supervision on this project difficult, however good communication and forward planning is resolving this challenge. Access remains a challenge with the project crossing existing farmer association lands. This necessitates ongoing negotiations and compensations, relocations and grave exhumations. Furthermore construction water and suitable material sources are scarce, but this is being addressed and managed. "Nevertheless, despite the challenges of working in such a remote and wide-spread location, the project is progressing well," says Derek, "and we are currently on target, with fifteen of the sixty dams and three of the off-takes complete".



The Lusip team.

## Stefanutti Stocks - saying "I do" to quality, reliability and prestige

Stefanutti Stocks Earthworks (Pty) Ltd

has expanded its fleet to include five more Mercedes-Benz trucks.

The Stefanutti Stocks Group owns, operates and maintains a wide selection of plant, equipment and vehicles to support all aspects of its multi-disciplinary construction activities. Since company inception the fleet of heavy duty trucks has included the Mercedes-Benz brand. "We continually invest in our plant and vehicles and the Mercedes-Benz brand on our sites is a clear statement of quality" says Eric Blom, alternate director at Stefanutti Stocks Earthworks. "Our recent purchase of three Axor 3335 tippers,

an Axor 2628 chassis cab and an Actros 3550 6x4 truck tractor will add tremendous value to our existing fleet".



Source: Robert Turner

## Rehabilitating Roads across South Africa

The SA National Roads Agency Limited (SANRAL) and local agencies like the Johannesburg Roads Agency are set to invest heavily in upgrading and improving the country's road infrastructure. In light of these opportunities, Stefanutti Stocks Earthworks (Pty) Ltd. recently established an asphalt division, which expands the business capacity to execute all types of road surfacing.

The new division complements the existing capabilities of the group, affording it entry into the road rehabilitation sector and further entrenching it as a 'one-stop shop' for all construction related projects.

With the recent award of two projects from SANRAL, the Roads & Earthworks business unit has further bulked up its capacity and has purchased additional plant including two new recycling machines, two new asphalt paving machines and a new premix plant on order. The business has purchased this high spec asphalt mixing plant from America to manufacture the asphalt on both SANRAL projects. It's a counter-flow asphalt plant with the mixer outside the drum in an independent pug-mill with twin shafts. It has a production capacity of 120 ton an hour and it is fully mobile.

The new division brings with it benefits to not only the group, but also to employees and local communities. "The very nature of our work often sees us working in remote locations," says Robert Turner, surfacing manager. "This in turn brings the added benefit of job creation to the area".

"Both projects commenced in October 2009 and their award by SANRAL certainly places high expectations on the new division," says Robert. "We are however quietly confident that we will not disappoint!"



The surface milling team.



The asphalt team.



The seal team.

## N17 upgrade between Bethal and Davel (17.5km)

The N17 project will see the earthworks and surfacing teams working together as one. The contract entails the full rehabilitation of the shoulders and reconstruction of the base course with an asphalt overlay over the entire road. The base course will be reconstructed with a cold in-situ recycler to construct an ETB (emulsion treated base). The latest technology asphalt pavers and rollers will be utilized and a total of 21 000 ton of asphalt will to be laid during this 18-month contract.

Effective traffic management will play a large part in both this and the project on the N2, with a stop-go scenario being implemented (3 closures of 4km each at a time). One side of the road will be completed first - the shoulder will be reconstructed, then the base will be reconstructed and finally the asphalt will be laid on top. The whole process will then start again on the other side of the road.

## Reconstruction of N2 from Piet Retief to Camden (87.4km)

This project again sees the earthworks and surfacing teams working together. Site engineers and personnel will first assess the existing road and allocate the sections according to requirements. Parts of the road will be fully rehabilitated with the reconstruction of the layers, while others portions will have double seal done.

During this 24-month contract a total of 51 000 ton of modified asphalt will be laid on the reconstructed sections and 550 000m<sup>2</sup> of double seal will be done.



Deryck White, Zulfa Allie and Russell Crawford (from Stefanutti Stocks) with SANRAL regional director, Ismail Essa.



## NASREC pedestrian promenade - a work of art!

Source: Ryan van der Walt

Stefanutti Stocks Earthworks (Pty) Ltd, in joint venture with Molokotwa Construction has just completed work on this 20-month contract for client JDA (Johannesburg Development Agency).

The pedestrian promenade at NASREC links the transportation hub to the main entrance of the 96 000 seat stadium that will be hosting the opening and closing ceremonies of the 2010 World Cup here in South Africa.

### The scope of works on this project, which commenced in February 2008, included:

- 30x80m pedestrian bridge spanning over a railway line and busy road;
- 86 000m<sup>3</sup> of fill (two abutments);
- landscaping, electrical and lighting installations on the pedestrian promenade, including installation of LEDs over the pedestrian bridge;
- intricate paving to public areas including the walkway leading up to the bridge; and
- an amphitheatre.

The bridge (which was subcontracted to Civilcon) comprised of 48 beams, each beam weighing between 30-40 ton. We had a 440 ton crane on site to lift the the beams and strict safety measures in place as we were working above a busy road and an in-active rail line.

As this is a high profile project and the worlds eyes will be on it during 2010, great emphasis was placed on the aesthetics of the promenade. The bridge-deck has glass in-lays so that pedestrians crossing it can view the road below. There are LEDs in the handrails of the bridge, bespoke lights, trees, 2.5 ton benches and 20 000m<sup>3</sup> of intricate paving. "We utilised mainly local labour for the paving part of the project," says Ryan van der Walt, site agent. "It was quite an intricate work of art depicting flames via the use of seven different types and colours of paving blocks".

"Our focus on producing quality whilst being able to work to tight deadlines has established Stefanutti Stocks as a contractor of choice with many of our clients," says Ryan. "The JDA has expressed their satisfaction with our work and we are looking forward to further solidifying our relationship with them".

## Demystifying public private partneships

Source: Rob King

Public Private Partnerships (PPP) has become a buzzword in the construction industry - and is a project procurement type that is very relevant for all of Stefanutti Stocks business units.

A PPP is a partnership between government (the public sector) and the private sector where the private sector is contracted to deliver services that would normally be provided by government. In a PPP the overstretched public sector utilises private sector resources to finance, build, operate and transfer back a public asset.

In South Africa the PPP principle has mainly applied to toll roads and office accommodation, however PPP services can range from the payment of government pensions to the provision of serviced office accommodation, power supply, water and sanitation, schools, universities, accommodation and the treatment of solid waste. "Currently, the increased pressure on municipalities to step up their service delivery poses an opportunity for the Group", says Rob King, head of the Stefanutti Stocks Concessions business unit. "We have submitted a couple of tenders and are eagerly awaiting the results".

In principle, regardless of what service is being provided, the PPP process remains the same. It is complex and time consuming, and it could take between two and three years before construction starts. However, this is quite reasonable when considering how long the normal process takes from inception to procurement of a contractor with the added advantage of a fully funded, fixed price offering with the maintenance and running costs included to boot.

"As a government procurement method, PPPs are here to stay" says Rob. "Stefanutti Stocks is up there with the best of them - it is up to us to capitalise on every opportunity that presents itself".



## Putting the PPP process into perspective

In order to place a PPP in perspective we'll examine how government normally provides serviced office accommodation for its institutions.

Once the institution has identified its requirements it tasks the Department of Public Works (PWD) to procure the facility on its behalf. The PWD appoints a professional team to design a facility that meets its requirements. The Professional Quantity Surveyor (PQS) measures the design and produces a Bill of Quantities (BOQ) which is used by the competing construction companies to price the construction of the facility.

The PWD then appoints the contractor, usually based on the lowest price submitted for the construction of the facility. From here onwards the contractor usually engages with the Professional Team in the construction of the facility. On completion of the facility the institution engages other private companies for the provision of services such as cleaning and security. These are known as Soft Facilities Management (or Soft FM). The PWD remains responsible for the upkeep of the physical building (or Hard FM) and it would appoint private companies to undertake this upkeep as required on its behalf.

The institution approaches the national treasury to have the project registered as a potential PPP. Once registered the institution appoints a team of transaction advisors who assist the institution in determining its requirements. These would include not only a description of the physical building but also the maintenance and services required to run it, as well as the funding for the entire facility.

The first task for the institution is to assess whether indeed their requirements can be best procured by means of a PPP or by traditional means. This exercise is called a Public Sector Comparator (PSC) and once again this is presented to national treasury who gives the project the green light. The next step is advertised for those parties interested in providing these services in what is called a Request for Qualification or RFQ. The respondents would group themselves into consortia comprising:

- Architects and engineers - to do the design.
- A contractor - to build.
- A financier - to fund the project.
- A facility manager - to maintain and operate the building.
- As well as multitude of other specialist advisors.

Usually the institution would pre-qualify two to four consortia to bid for the provision of the serviced accommodation. Only the pre-qualified consortia are invited to submit bids in terms of the institution's Request for Proposals or RFP.

The RFP describes the institution's requirements in what is called an output specification. The output specifications would give the number and sizes of offices, meeting rooms, kitchens cafeterias and specialised areas. The performance levels are required in the different facilities in terms of ambient temperatures, lighting levels, IT requirements and sound levels. The facility management requirements outline the required service levels in terms of security, catering, cleaning, response times, routine maintenance and availability. It also indicates the concession period for which the private party would be responsible for providing the serviced accommodation (usually for a period of between 15 and 30 years) during which the institution (public party) pays a unitary charge (think of this as rent).

The private party gets the design and construct contractor to provide a fixed price (CAPEX) to design and build a facility to suit the requirements of the Institution as outlined in the output specification. The facility manager provides the private party with a price (usually annual) for the running and maintenance costs (OPEX) of the facility. The financiers provide the private party with a funding proposal to amortise the CAPEX over the concession period. The amortized funding and the OPEX would be used to calculate the Unitary Charge which is the commercial offering submitted for consideration by the institution.



The jubilant Stefanutti Stocks Building KZN and Civils KZN team. A total of 12 awards were received.

## Master Builders Association, Safety Awards KZN

The Stefanutti Stocks KZN building and civils operations' commitment to health and safety was acknowledged in the recent national and regional Occupational Health and Safety Awards 2009.

**Stefanutti Stocks Civils KZN (Pty) Ltd:**  
Regional 1<sup>st</sup>:  
Liquid Chemical Berth  
(Category: Civils)

Regional 2<sup>nd</sup>:  
Stefanutti Stocks Plant Yard  
(Category: Plant Yard)

Highly Commended:  
Khangela Bridge  
(Category: Civils)

**Stefanutti Stocks Building KZN (Pty) Ltd:**  
National 1<sup>st</sup>:  
Standard Bank PMB  
(Category: R5-R20 million)

National 1<sup>st</sup>:  
Liberty Life, Phase 2  
(Category: R200-R500 million)

Regional 1<sup>st</sup>:  
Standard Bank PMB  
(Category: R5-R20 million)

Regional 1<sup>st</sup>:  
Liberty Life, Phase 2  
(Category: R200-R500 million)

Regional 2<sup>nd</sup>:  
Vodacom, Mt Edgecombe  
(Category: R20-R50 million)

Regional 2<sup>nd</sup>:  
Princess Magogo Stadium  
(Category: R50-R120 million)

Highly Commended:  
Spar - Mt Edgecombe  
(Category: R50-R120 million)

Regional 2<sup>nd</sup>:  
Liberty Life Phase 1  
(Category: R120-R200 million)

Special Award:  
Safety Person of the Year:  
Jabulani Mkhize



Jabulani Mkhize, the safety officer at the Liberty Life project receives his award from Brandon Abdinor, the executive director of the KwaZulu Natal Master Builders Association.



The MBSA National winners from KZN. From left to right, posing with their certificates and shields are: James Kilner (Liberty Life Phase 2 site), Dallas Pakkiri (safety manager), Siven Naidoo (safety manager), Howard Schwegmann (managing director) and Paul Fenton (Standard Bank site).

**Stefanutti Stocks Civils (Pty) Ltd wins Fulton Award.** Read more on pages 2 & 3.

**Stefanutti Stocks Civils (Pty) Ltd achieves a NOSA 5 Star rating.** Read more on pages 2 & 5.

## Master Builders Association, Safety Awards Gauteng



The winners of the Contractors Trophy. Back, left to right: Bradley Nortje, John Borradaile and Gerhard Roets. Front, from left to right: Ali Zahif, Lincoln van Wyk and Fanie Boucher.



All the 2009 winners from Stefanutti Stocks Building Gauteng and North West. Back, from left to right: Chad Kruger, Bradley Nortje, John Borradaile, Greig Bastion, Kobus Koekemoer, Luc Jacobs and Danie Moolman. Front, from left to right: Nico Mulder, Mervis Burger, Fanie Boucher, Lincoln van Wyk, Ali Zahif, Voight Uys and Johan Ras.

### Best contracts manager:

2<sup>nd</sup>: Nico Mulder - Stefanutti Stocks Building North West - Lebone College II

2<sup>nd</sup>: Kobus Koekemoer - Stefanutti Stocks Building North West - Lebone College II

### Best site safety officer:

3<sup>rd</sup>: Joseph Sithole - Stefanutti Stocks Building Gauteng - I-Langa Mall

### Best performing safety manager:

2<sup>nd</sup>: Fanie Boucher - Stefanutti Stocks Building Gauteng

### R120 - R200 million

(Contractors trophy):  
1<sup>st</sup>: Stefanutti Stocks Building Gauteng - FNB Block G

### R200 - R500 million

(Presidents trophy):  
2<sup>nd</sup>: Stefanutti Stocks North West - Lebone College II

## Earthworks excels again

The Roads & Earthworks business unit recently received two awards at the Africa Roads 2009 Awards. The first is for most innovative and creative contractor for the Orange Farm contract completed in

2008. The second is for most supporting Johannesburg Road Agency partner for contributions to the DUBE Bridge in Soweto.

A special thanks to Michael Welsch, John Welsch and Able Nhlabathi for their efforts on these contracts and holding the Stefanutti Stocks name high.



Congratulations to the the Styl drift site team for their achievement of 150 LTIs. Here's to the next 150!!

# The future is only as good as we build it.

## Gabrielle's Creche - making a difference

Stefanutti Stocks Geotechnical (Pty) Ltd In the few months since opening in April 2009, Gabrielle's Creche has made a big impact on the lives of 70 children and their five teachers in the Vlakfontein area. The new facilities were made possible by a joint initiative which saw the Geotechnical division contributing a substantial amount to the almost R500 000 project. The building has enabled the separation of children according to their age groups and abilities. Each week has a special theme, and each day is split into a variety of activities. The five teachers are benefiting from an experienced external trainer and children with learning disabilities or challenges are benefiting from the input of a social worker.



Shaun Nell, managing director of Stefanutti Stocks Geotechnical at the official opening of the creche.



Some of the children who will benefit from this new facility.

## A bright and airy Stefanutti Stocks edutainer classroom

As a group initiative Stefanutti Stocks is sponsoring an Edutainer (a shipping container that is converted into a classroom) to the Noah Orphans Reamogetswe Ark in Muldersdrift. Noah's is in dire need of assistance and after receipt of an Edutainer, can be registered with the Department of Health.



The kids are looking forward to their bright and airy edutainer classroom for the next school year.

The school has one qualified teacher serving 49 children in very basic facilities. The Stefanutti Stocks Edutainer will accommodate 20 children who have been orphaned by AIDS. This group initiative sees the individual companies within the group contributing to the overall edutainer cost of R200 000, with Nedbank contributing R30 000. For more information on Edutainers and The Bright Kid Foundation please visit [www.brightkid.co.za](http://www.brightkid.co.za).



Nedbank hands over a R30 000 cheque for the Edutainer initiative. From left to right: Johan Fourie (Nedbank), Rob King (Stefanutti Stocks), Paula Smith (Stefanutti Stocks), Willie Meyburgh (Stefanutti Stocks) and Wellwood Nortier (Nedbank).

## Unica School Hostel - a unique place for unique people

Skelton & Plummer Investment Holdings Company (Pty) Ltd (S&P) from the Mechanical, Electrical and Power business unit has donated an amount of R250 000 towards the renovations of Unica School Hostel in Pretoria.

Unica School is one of only six schools in South Africa that caters for the needs of learners with autism. The school offers individualised educational, therapeutic and development support programs adapted to the learners needs. Of the 105 learners, 40 reside in the Unica hostel, where over the years, due to a lack of funding, the facilities have deteriorated to almost uninhabitable conditions.

The S&P contribution has been put towards the restoration, upgrading and brightening of these facilities, as well the purchase of new furniture and equipment. "We are very humbled by the dedication and enthusiasm at Unica," says Aubrey Michel from S&P. "Our contribution is just a means to an end, not an end itself. What really counts here is the motivated and dedicated staff who make a difference daily in the lives of these learners."



Members of the Unica School Hostel staff outside the main entrance.

## Caring for the community

During the first week in October, Stefanutti Stocks Roads & Earthworks launched an Adult Based Education Training (ABET) community outreach. The ABET program is for selected previously disadvantaged learners and community members, involved on the projects that are being undertaken by the business unit. "The objective is to equip these participants with construction, building maintenance skills, numeracy, literacy and other related business skills to increase their employability, even once we have left the area," says Zulfa Allie on behalf of Stefanutti Stocks Earthworks (Pty) Ltd.

The business has also pledged their support to a home in Kempton Park catering for handicapped children, and individuals who are physically and mentally challenged. This relationship will continue indefinitely, with the home receiving food and toiletries on a monthly basis. The home is called CASA CARITAS, which translates to house of compassion.

## Top award for Field Band Foundation

At the 12th Annual Business Day BASA Awards, held at the end of August 2009, The Field Band Foundation and its sponsors received the top award, the Chairman's Premier Award, for youth development through music and dance outside formal education.

The Field Band Foundation provides the Stefanutti Stocks Building business unit with an efficient vehicle to positively affect the lives of many young South Africans in rural and urban townships. We assist the Foundation financially, with an annual contribution of R250 000. We also donate employee time to assist with management.

### The programmes and activities to which our sponsorship contributes include:

- Youth social development through music and dance;
- HIV AIDS and life skills programmes;
- Education and life skills training;
- Scholarship and exchange programmes; and
- Employment.

## Laying foundations in local education

Source: Nadine Gieseler

Over the past years, Stefanutti Stocks Civils KZN (Pty) Ltd has completed a number of successful contracts in the Durban South area of Wentworth. We became aware of the plight of Collingwood Primary school, an educational institution in dire need of assistance. First established in July 1971, the school caters for 1 200 learners from previously disadvantaged backgrounds. Two specific areas of need were identified - the shortage of books in their library and the fact that their tuck-shop had recently been destroyed by a storm. To this end, the company made a substantial contribution of new books to the library as well as a brand new tuck-shop. Stefanutti Stocks Civils KZN views this project as a social and economic investment into a community that has benefitted the company over the years, and looks forward to their relationship with Collingwood Primary School growing from strength to strength.



John Jackson, managing director of Stefanutti Stocks Civils KZN (Pty) Ltd with Colin Chand, headmaster of Collingwood Primary. In the background some of the enquiring minds that will benefit from the donation of books to the school library.

Stefanutti Stocks Building KZN donated R10 000 to the Open Air School, a school for the physically disabled in Glenwood, Durban. This initiative was led by commercial director, Nick Pousson, who used his participation in the Comrades Marathon as a platform to raise funds for the school. Over and above the donation from Stefanutti Stocks, various individuals from within the group contributed to this worthy cause. Nick has registered for the 2010 Comrades Marathon and we wish him luck for his training and preparation for this event, and look forward to further assisting the Open Air School.



The KZN exhibition stand.

## Youth in Construction Week

Source: Kevin Reid

The Buildings, Structures (including Civil & Coastal in Cape Town) and Roads & Earthworks business units were actively involved in Youth in Construction Week across South Africa.

The Civils and Building operations in KZN combined forces to host an exhibition stand at the Youth In Construction Week. The exhibition was well attended by a cross-section of learners from the greater Durban and Pietermaritzburg areas. The team placed an emphasis on the core capabilities of the Stefanutti Stocks Group, highlighting the need for a solid school education particularly with regard to subject choices enabling tertiary education in the sciences field (necessary for entry into construction). The importance of the Stefanutti Stocks core values was highlighted. Prospective candidates demonstrating these characteristics would gain valuable advantage in securing a position within the group.

## Our children are our future

Stefanutti Stocks Civils (Pty) Ltd has for the second year running been involved in a maths and science programme in Mamelodi. The initiative sees scholars from schools in Mamelodi attend extra classes, given by the students and other volunteers, at the Mamelodi University campus. Following a presentation on the impact of maths and science in construction, the children received stationary packs and snacks courtesy of Stefanutti Stocks. "We also presented the students who are teaching the kids in their spare time with R500 gift vouchers," says Eben Britz.

# Stefanutti Stocks football tournament

On the 3<sup>rd</sup> October 2009 the Stefanutti Stocks Earthworks (Pty) Ltd football team took first place in the annual Stefanutti Stocks football tournament held at Esslen Park.



# 20th Annual Concrete Boat Race Day

On the 19th September the Concrete Society of South Africa Inland Branch held their 20th Annual Concrete Boat Race Day at the Victoria Lake Club in Germiston, near Johannesburg. Stefanutti Stocks Civils sponsored one of the 70 boats taking part in the relay with their "Buoyant" entry.

Pictured above is the Stefanutti Stocks Civils team "The Legends", from left to right Kwazi Dube, Oratile Nthite, Letlotlo Mosehle, Seabelo Shezi, Panashe Daringo and Lesego Ratlhogo.

"We weren't placed this time around," says Panashe from Stefanutti Stocks Civils. "We did however have a lot of fun and are planning a come-back in 2010".

# Stefanutti Stocks Structures business unit - Photo competition

1<sup>st</sup> prize was awarded to Werner Pretorius for his photograph of the R21/N1 Interchange Incremental Launch Bridge in Pretoria.

2<sup>nd</sup> prize went Leigh Dressing for his photograph of the Transnet Chemical Berth 208, Richards Bay.

3<sup>rd</sup> prize went to Larry Ellingson for his photograph of the Umgeni & Inanda Rd Interchanges, Durban.

The three winning photographs will feature in the Stefanutti Stocks 2010 calendar.



# Quads 4 Quads 2009, Joburg to Durban

On the 24th September 470 off-road riders left Carnival City, heading for Ballito, on a 4 day, 900km off-road adventure, to to raise

awareness and funds for the QuadPara Association of South Africa.

Representing Stefanutti Stocks were Des Seaman on a Yamaha 700R Raptor, Eric Blom on a Honda 450, Anthony Hay on a Yamaha 450, Glen De Villiers on a Suzuki LTZ 400, Ethan Blackstock on a Kawasaki LTZ 400, Timothy Hay on a Honda 400, Pukkey Baker on a Honda 300, Camren Col Baker on a 230 Induro and Stefan Grobler on a Yamaha 350 Raptor. Their backup team included Bertie Venter, Duncan Titlestad and Luvo Mhlauli.

