

INNOVATION IN FIRE RESISTANCE

**STUDENTS OF STEEL -
INSPIRING THE NEXT GENERATION**

LSFB, SUSTAINABILITY AND INNOVATION

TASS ENGINEERING

(PTY) LTD

**TASS ENGINEERING has been actively involved in
Structural and Architectural Steel Fabrication and Erection for
50 YEARS**



**From small beginnings in 1968
Tass Engineering has grown to
become one of South Africa's
leading
Architectural and Structural
Steel Contractors**

**Our steel is building the nation
Our quality is building our reputation**



Tass Engineering - Base Titanium Conveyor System - Kenya



Contact details: Tel +27 (11) 975 0647 • Fax +27 (11) 970 1694 • E-mail tasseng@mweb.co.za.

www.tassengineering.com



COVER PHOTO: Sommerset West
Vergelegen Mediclinic Phase 4
PHOTO SUBMITTED BY: Rooftek



INNOVATION IN FIRE RESISTANCE (PAGE 2)



LSFB, SUSTAINABILITY AND INNOVATION FOUR FEATURED PROJECTS (PAGE 6 - 13)



STUDENTS OF STEEL - INSPIRING THE NEXT GENERATION (PAGE 15)

FEATURES

THE SOUTHERN AFRICAN INSTITUTE OF STEEL CONSTRUCTION

Website: www.saisc.co.za

Instagram: @saisc_steel
@steelawards

YouTube: <http://bit.ly/SAISCYoutube>

LinkedIn: <http://bit.ly/SAISCLinkedIn>

Facebook: <http://bit.ly/SAISCFacebook>

Twitter: @saisc_steel

REGULARS

- **SAISC COMMENT** (PAGE 2)
- **MARKETING MATTERS!** (PAGE 4)
- **SAMCRA** (PAGE 13)
- **INDUSTRY UPDATE, THE GOOD NEWS** (PAGE 14 - 15)
- **STEEL AWARDS 2019** (PAGE 16 - 18)
- **BUILT ENVIRONMENT NEWS** (PAGE 19 - 22)
- **MEMBER LIST** (PAGE 23 - 28)

PUBLISHED BY:

Southern African Institute of Steel Construction 62 Lower Germiston Road, Haggie Office Park, Heriotdale | +27 (0)11 726 6111
www.saisc.co.za | info@saisc.co.za

EDITOR: Denise Sherman, denise@saisc.co.za **SUB-EDITOR:** Amanuel Gebremeskel, amanuel@saisc.co.za **ADVERTISING:** advertising@saisc.co.za

LAYOUT: Sandra Addinall, +27 (0)11 868 3408 | +27 (0)83 601 7209 **REPRO AND PRINT:** TYPO Colour Printing Specialists cc

SAISC MANAGEMENT TEAM:

CEO: Paolo Trincherio, paolo@saisc.co.za | Technical Director: Amanuel Gebremeskel, amanuel@saisc.co.za

SASFA: John Barnard, john.barnard@saol.com | SAMCRA: Dennis White, dennis@saisc.co.za

STEASA: Keitumetse Moumakoe, keitumetse@steasa.com



SAISC FEATURE

AMANUEL GEBREMESKEL,
TECHNICAL DIRECTOR

INNOVATION IN FIRE RESISTANCE

The Institute has been exploring the area of smart construction methods for several years. An example of our efforts is the novel SAISC Modular Office Building system. Invented by engineers at the Institute this system looks at the sustainability feature of buildings holistically.

For instance it uses no wet trade on site essentially eliminating the use of water in the construction process. Moreover it reduces construction risks such as injury and delays by carrying out most of the modular construction in an enclosed factory rather than on site.

We started out by studying how to design, develop and commercialize the invention. Upon completion of the study the Institute managed to mobilize industry resources to start the process of technical development. Much research and development work has already been carried out to confirm the easy manufacturability and structural integrity of the system.

We are currently at the hottest part of the research and development phase whereby we are physically testing the system's resistance to accidental fire. Such testing and work is unusual in Africa due to high cost and the need

for specialized expertise. However we have been able to overcome this challenge by being creative and developing local expertise.

Our efforts have resulted in the training and development of Dr Richard Walls, a fire expert, along with the establishment of his national centre for fire research at Stellenbosch University. We are proud that our invention is the first project to be investigated by this one-and-only centre of its kind in the continent.

The results are very promising. There is strong early evidence that we may



have a viable trafficable 1 hour fire rated dry decking system available for the industry to introduce into the market soon.

Much work still remains with our innovation efforts. Engagement with developers, architects, engineers and our manufacturing and contracting industry is key if we are to succeed in commercializing such inventions. This will require herculean efforts in education and marketing on our part.

Innovation is vital to the sustainability of the steel sector. Producing good quality steel is no longer a sufficient mark of competitiveness. This is because there are several emerging economies developing their steel sectors and future competition is expected to be fierce.

The industry has to consistently evaluate the market and find ways to use steel to solve grand societal problems. Without the ability to keep up with ever changing demands and providing relevant and novel solutions it will be difficult to stay competitive. This requires innovation to be at the forefront of our industry strategy.



VITAGRID

The **Leading Manufacturer** in Steel and Fibreglass Grating, Stairtreads, Mesh, Expanded Metal and Handrail Systems

GRATINGS • HANDRAILS • EXPANDED METAL • MESH • STAIRTREADS • FIBERGLASS



Since 1939 **Angus McLeod** and **Vital Engineering** have established a reputation for quality and service. Our brand names of **Vitagrid**, **Maclock** and **Vitex** have become synonymous with **versatility**, **quality** and **service**. Manufacture of all our gratings, stairtreads, handrails and expanded metal products is strictly controlled. We are able to cater for standard panels, stairtreads and handrails in addition to offering a cut-to-size and tailoring service. Meeting and surpassing customer needs are our goals!

+27 11 898 8500

Email: sales@gratings.co.za

www.vitagrid.com

Vital Sales Durban

+27 31 902 3059

Email: vitaldbn@gratings.co.za

Vital Sales Cape Town

+27 21 534 1429

Email: vitalct@gratings.co.za





MARKETING

DENISE SHERMAN
MARKETING MANAGER, SAISC

MARKETING MATTERS!



According to the SA Social Media Landscape 2019 report released by World Wide Worx and media monitoring organisation Ornico, social media usage in South Africa is displaying unprecedented growth.

While sceptics may view social media purely as the domain of “selfies” it has the potential to be a valuable business tool if used correctly. In this edition of Marketing Matters, we’ll be taking a closer look at YouTube, and how your organisation can use the platform effectively.

Why use YouTube?

Currently, there are approximately 9 million active YouTube users in South Africa. If a picture is worth a thousand words, then just imagine the story telling capability of video.

Well planned video content that aligns with your business objectives can be a great way of promoting your business to potential customers, and increasing your visibility within the market.

Creating a YouTube channel and populating it with well thought out, quality content provides potential and existing customers with reassurance on why they should do business with you. Yes, it does take time (and financial) investment to set up, but the content can have a long life span and act as your digital showcase.

Content creation

Think about the outcome you want before you hit the record button. Poorly planned video content without a clear objective is a recipe for disaster. Think about why you are creating the content, for whom, and what action you want the viewer to take. Do you want them to visit your website? Request a quote? Sign up for a newsletter? Make sure your video content has a clear call to action.

Make your content compelling for the viewer. Your video content should be created with a specific target audience in mind. Audiences do sometimes overlap, for example, content that an engineer may find interesting may

also appeal to an architect. However, if you are able to identify what would grab your ideal viewer’s attention, you will be able to craft video content that engages your audience.

The technical details that matter

Interestingly, viewers will forgive you more readily for poor picture quality than they will for poor sound quality. Ideally, of course, you do need both elements in order to create a watchable video that people will find value in, and will want to share.

If you’re considering embarking on creating a YouTube channel for your company, and would like some tips or assistance with content creation, the SAISC is here to help. Schedule a 30 minute consultation at our offices and we’ll help you get started, and provide some suggestions on how to approach content creation going forward.

Be sure to visit The SAISC Youtube Channel – <http://bit.ly/YouTubeSAISC>, and subscribe to keep an eye on the kind of content we’re producing for the steel construction community!

PROJECT **PROFILES**



LSFB, SUSTAINABILITY AND INNOVATION



SOMERSET WEST VERGELEGEN MEDICLINIC PHASE 4

PROJECT TEAM

Nominator – MiTek | Client / Developer – MASTEC | Architect – Tv3 | Engineer – Mitek | Design and Inspection – MiTek
Roofing and Cladding – Global Roofing Solutions

The project entailed the construction of a roof structure, The brief required the structure to be constructed from non-combustible material and suitable to meet the hospital's requirements, supporting PV panels, and able to bear the weight required for theatre equipment.

The project was envisaged in steel from the start, due to the success of previous projects of a similar nature. MiTek ultra-span, was opted the best product for the project, because of its ability to clear spans of up to 40m.

A brief description of the structural framing and use of LSF

The structural framing consisted of cold rolled, specially designed, sections in various profiles and thickness, one-sided assembly and cut to length. The project team used inverted shape trusses of Mitek Ultra-Span components. With truss spans ranging between 14m and 20m clear spans. The roof trusses were manufactured in Rooftek's factory and transported to site. Roof sections of approximately 150m² could be assembled simultaneously and then lifted in position.

What is special / unusual / innovative / aesthetic about the steelwork / cladding in this project?

The roof structure was detail to be supported in-between the concrete ring beams on brackets. In some places the trusses were supported on the RC beam (shafts etc). This created challenges during the design, costing and erection phases.

Designer Jaco van Wyk from MiTek Engineering Cape Town created a cost-effective framing solution. The erecting of the



roof structure was simplified by assembling portions on the concrete slab and lifting the required sections into place. This enabled optimization of connections of the trusses, enabled services to be connected and reduced torsional moments on the concrete ring beams. The inverted shape roof truss provided a structurally sound roof design to accommodate services and Solar PV panels to the one face/ side of the roof structures.

How did the project team work together (e.g. contractor involved early, challenges / ease of communication etc.)

The project was driven by Kalahari (Rooftek) from the tender phase. All design aspects and complexity of the roof structure was discussed with MiTek, the architect, engineer and project manager on site prior to the final designs. This close collaboration eliminated many potential problems prior to manufacturing and erecting of the roof structure.

Key areas that were managed with excellence include:

- The box-gutter detail
- Fitting in with the previous buildings.
- The additional steel sprockets to match the existing.

Tons of LSF used: 27 478.85kg

Span of trusses: 15,920m



RENISH GIRLS HIGH STELLENBOSCH

PROJECT TEAM

Nominator – Elegant Roofing | **Client / Developer** – Western Cape Education Department

Architect – R&L Architects | **Structural Engineer** – Nadeson Consulting Serv

Engineer – Mitek Industries SA | **Quantity Surveyor** – Aveng Grinaker-LTA | **Project Manager** – Aveng Grinaker-LTA

Main Contractor – Aveng Grinaker-LTA | **Steelwork Contractor** – Elegant Roofing | **Steel Erector** – Elegant Roofing

Cladding Manufacturer – SAFAL Group | **Cladding Supplier** – Safintra Roofing | **Cladding Contractor** – Elegant Roofing

The purpose of the project was to replace the existing timber structure which was deflecting and collapsing after 70 years of service. The brief to the architect was that the structure should comply with the heritage of the building, keeping the appearance consistent with the existing structure while complying with established building regulations.

While timber was originally considered, a light steel frame solution was ultimately chosen due to its long service period. Profiled sections were used, with the profiles differing according to the strength required for each truss design. The entire roof was assembled on ground level in sections and then hoisted to roof level with a mobile crane. The floor level assembly, which made handling easier was made possible by creating a wallplate level replica of the

building at a lower more easily accessible platform. In terms of cladding the roof structure, the 60-degree pitch was a challenge for safe working conditions with long sheet lengths.

All teams needed to communicate effectively from the start, as the existing roof had an asbestos slate which needed to be removed first. At a public school, this poses many challenges to co-ordinate the time of removal without interfering with the day to day school process. During the construction phase areas had to be cordoned off to prevent access during overhead hoisting and installation of large sections of the Light Steel Frame roof structure

LIGHT STEEL FRAME BUILDING WORK

Completion date of LSFB work: 3 Dec 2018 – 31 Jan 2019

Completion date of full project: 5 Oct 2018 – 30 April 2019

Tons of LSF used: 15.162 Tons

Span of trusses and kg/m²: 6 350 – 18 600mm

Profiles used: Mitek Ultra-Span

Type of cladding: Metal sheets

CLADDING

Completion date of cladding: 30 April 2019

Cladding profile / type used: 0.53 AZ200 Saflok 700 – Raincloud Colorplus

Cladding area / coverage and tonnage: 1 790m²





Engineered • Steel • Solutions

Established in 1922, Robor is a world-class South African manufacturer and supplier of welded steel tube and pipe, cold formed steel profiles, structural steel products and associated value added products and services. Robor is active in most industries, including Mining, Transport – rail and road, Construction, Engineering, Agriculture, Energy, Water and Automotive.

Since the acquisition of Tricom, Robor supplies various telecommunication and power distribution systems, such as; Telecommunication Towers, Satellite Communication Structures and Transmission Towers for the distribution of electricity.

[Value Added Services]

Our range of value added services includes but is not limited to: Hot Dip Galvanizing for corrosion protection, Pipe and Tube cutting (2D and 3D), Punching, Drilling, Coatings and Linings, Pressure Testing, Welding (robotic, stick and submerged arc), Cutting, Wrapping, Painting, Packing, Fabrication of certain components and Ultrasonic Testing.



For more information:

Tel: +27 (0)11 971 1600 E-mail: info@robor.co.za www.robor.co.za

CUBOID 3 MODULAR POD

PROJECT TEAM

Nominator – BBa Architects | **Client / Developer** – Consort 13 partnership | **Architect** – BBa Architects
Structural Engineer – DNS Engineers | **Main Contractor** – Zestiblox cc | **Steelwork Contractor** – Geldenhuys Steel
Steel Erector – Geldenhuys Steel | **Cladding Manufacturer** – Alltodeck | **Cladding Manufacturer** – Foxgroup
Cladding Contractor – Zestiblox cc | **Roofing and Cladding** – Global Roofing Solutions | **Site rigger** – GR Travel tops
Corrosion Protection Paintwork Contractor – Geldenhuys Steel

“CUBOID 3” was developed as an alternative accommodation option at the Afriski Mountain Resort in Lesotho. This easily portable structure is highly insulated and could be relocated to any destination should the client wish to do so.

Consort 13 requested the design of a small but comfortable accommodation without a kitchen as patrons are required to make use of the resort restaurant. Steel construction was considered from the outset as the team needed to lift the unit and transport it to Lesotho. The exterior Chromadek and rusted steel were considered to reduce future maintenance cost.

The structural framing consists of 100 x 100 x 3 square hollow section as structural columns with sliding adjustable / extendable legs to accommodate earth levels. 200 x 75 x 20 x 2 lip channel floor and roof ring beams were used, which created the width to match the Neopor insulation and the height to accommodate the floor and roof lip channel (100 x 75 x 20 x 2) support structures.

Charcoal 490 wide Chromadek pans were used in a vertical cladding and the contracting rusted special pattern designed / bent 1.2 cold rolled steel was used alternatively. This was considered in lieu of timber cladding

Were there any challenges in the fabrication of the project from the engineer's design – if yes, please tell? Tell more about fabrication and erection process if it was complex, difficult, innovative etc.

Being the first project of this nature to the team, it posed a challenge to work underneath or at roof level of the specially built 6700 x 3200 steel frame. The team rigged a small overhead crawler beam designed by DNS Consulting Engineers with a Block and Tackle pulley to assist in lifting and moving the steel structures into place. The steel frames had to be bolted together before the cladding could commence. On completion, the 3 separate sections could be unbolted and loaded onto a truck to transport.



What is special / unusual / innovative / aesthetic about the steelwork / cladding in this project?

The team designed this shaped 1.2 cold rolled steel sheet with various heights and widths to imitate timber which was initially considered. Ultimately, the team believes they achieved a better-looking finish after they forced the rusting process resulting in low to no maintenance.

Structural steelwork

Tons of structural steel used: 1.785 Tons

Structural profiles used: 100 x 100 x 3 corner columns, 95 x 95 x 5 adjustable corner legs, 200 x 75 x 20 x 2 lipchannel ring beams, 75 x 50 x 20 x 2 roof beams, 100 x 75 x 20 x 2 support columns, 125 x 75 x 20 x 2 floor joist, 125 x 75 x 2 rainwater pipes

Light steel frame building work

Completion date of LSFB work: SA Pine infill work

Type of cladding: 490 Chromadek Pan cladding 1.2 Cold rolled rusted sheets; OSB board on the interior

Cladding

Completion date of cladding: 31 August 2018

Cladding profile / type used: 490 Chromadek Pan cladding; 1.2 Cold rolled rusted sheets

Cladding area / coverage and tonnage: 50 sqm – 490 Chromadek pan cladding = 0.200 ton 32 sqm – 1.2 Cold rolled steel = 0.434 ton

Cost of cladding: 490 Chromadek pans = R5 360.95
1.2 Cold rolled steel = R18 346.00





MAFUBE COLLIERY NOOITGEDACHT MINE, MIDDELBURG RELOCATION OF EMV WORKSHOP

PROJECT TEAM

Nominator – Ferro Eleganza (Pty) Ltd | **Steelwork Contractor** – Ferro Eleganza (Pty) Ltd
Steel Erector – Ferro Eleganza (Pty) Ltd | **Cladding Contractor** – Ferro Eleganza (Pty) Ltd
Corrosion Protection Galvanising – Armco Superlite (Pty) Ltd

The relocation of the EMV Workshop building, a large 280-ton industrial building, is a testament to the sustainability and reusability of structural steel. The structure, which was dismantled, moved over 100km and then reassembled, is made up of heavy hot-rolled sections and large “laced columns” carrying heavy 1.8m high plate girders which house a 200 ton overhead crane. This building is used to service and repair large tipper trucks and other large plant used on the mine. There is no way that the relocation of a building of this size could ever have taken place had it not been for the versatility of steel.

The building was situated in the highest Red Zone Safety area. Therefore, to strip off the roof and side cladding, dismantle a large steel structure, with all the highest of mine safety in place was truly a daunting task. The steelwork contractor put together risk assessments, method statements, fall protection plans, and planned that all safety requirements be met.

On this building, even the cladding had to be re-used, which presented a number of challenges. To replace each sheet in exactly the same position, using the same holes for the screws was required, otherwise, the roof would be full of holes and leak. Each sheet was marked and numbered in order to re-fit it to the same position.

Because there were no existing drawings for the structure, in order to enable marking up and dismantling the steelwork

contractor drew the entire building on Tekla Structures. This enabled a marked up general arrangement which was used to mark every piece of steel with cherry pickers before dismantling the steel structure, reversing the sequence that would have been used to erect the building in the first place. The steel was then cleaned and transported to the new site where the mine wanted the building. The steelwork contractors were very proud of the entire relocation and that it took place 100% accident and incident-free. For this accomplishment, Anglo gave their entire team a bonus as recognition of their accomplishment and safe working practice.

Structural Steelwork

Completion date of steelwork: October 2018

Completion date of full project: December 2018

Tons of structural steel used: 280 Tons Relocated

Structural profiles used: H/R sections / C/R Lipped channel

Cladding

Completion date of cladding: October 2018

Cladding profile/ type used: IBR

Cladding area/ coverage and tonnage: All cladding relocated



SAMCRA FEATURE

DENNIS WHITE
DIRECTOR, SAMCRA



WARRANTIES AND GUARANTEES ON METAL CLADDING SYSTEMS

We regularly hear complaints from specifiers and owners of buildings about the guarantees issued within the cladding industry. Generally purchasers refer to a guaranty whereas manufacturers and contractors refer to warranties. Whilst there may be a difference in law, for the purpose of this article they are seen as being synonymous.

The intent of a warranty is two-fold, firstly it is intended to create a level of trust in a product and secondly to differentiate a product from others in the market place. Unfortunately there is not always accord between the purchaser's expectations and the anticipated performance offered for a product. It is naïve to believe that a product will be able to withstand everything nature and mankind can inflict upon it. Remember the greater the expectations the greater the price.

Rather match the product performance requirements to the anticipated working life, with minimum maintenance, of the building in both the known macro and micro environments. Do not assume you will automatically qualify for the maximum period proffered in marketing literature (every warranty has qualifications / exclusions) and

above all make sure you have detailed all aspects you expect to be covered.

Most reputable manufacturers of coil provide a service whereby an application can be made for a provisional warranty prior to the tender stage which affords a purchaser the opportunity to ensure all expectations are covered and to understand the conditions and extent of the cover particularly in regard to fading and delamination of coatings i.e. read the fine print.

An aspect not fully understood by purchasers is that in the case of

cladding there is not a single all-encompassing warranty. There are in fact three individual warranties. The manufacturer of the base material warrants the durability of the protective coating whereas the profiler warrants the structural performance of the cladding system and the installer warrants the cladding system has been installed in accordance with the profiler's requirements and that it provides a waterproof envelope. All three may not necessarily have the same duration.

It is important to ensure that all warranties are in the name of the owner.



SAISC 2019 GOLF DAY SHOWS STEEL CONSTRUCTION INDUSTRY STILL 'ON THE BALL'!

The SA Institute of Steel Construction (SAISC) golf day, although intended as a day of pleasant relaxation for its members, also has a rather more serious intent.

"The steel construction sector has recently experienced severe economic pressure. From an SAISC perspective, we put a lot of effort into arranging events such as golf days for our members. These are important, as they not only give our hard-working members a chance to relax and practice their golf; but also to foster camaraderie in the industry, and to informally network and discuss ways to mitigate the current crisis," explains Paolo Trincherio, CEO of the SAISC.

Members randomly approached for comment at the awards dinner following the golf day were unanimous in their agreement that things are really tough right now.

NJR Steel Operations Director Chris Davidson comments: "We are all in the battle together and we know (the economy) is going to turn...It's about staying in there and keeping your chin



up! And you're not going to succeed by having a pessimistic outlook. I think the players in the steel industry are resilient people and we are known for fighting smart!"

Tass Engineering Technical Director Marten Spencer adds to this saying: "The industry is very tough, as there is very little work going around and there is no margin in any of the work that is going around. There has been quite a lot of contraction in the industry, and while landing a job is

difficult, getting paid for the work done can present an even greater challenge! It is truly a game of survival at the moment. However I have been told I am the eternal optimist and in this industry, one has to be. So you have to go out there and try and get whatever work you can and do the best with what you've got!"

Regarding the golf day itself, Davidson says: "We had a wonderful day this year! The SAISC Golf Day is one of the best ones to play in during the course of the year. Many golf days are no longer well supported, as times are very tough and for people to get out of the office to play golf is not easy these days. We like to support the SAISC in this and all their initiatives, as we also fully support the work they do for us in turn."

Spencer supports Davidson's comment, saying: "We had a wonderful day and had lots of fun with the guys. The golf was secondary and as I always say 'golf is my handicap'. But it was a wonderful opportunity to come and play in the company of my clients and my colleagues from the industry."



STUDENTS OF STEEL – INSPIRING THE NEXT GENERATION

BY AXEL KAYOKA, PRODUCT SALES SPECIALIST, MACSTEEL

For a minimum period of two weeks, 2nd year civil engineering students at The University of the Witwatersrand are exposed to practical training in the steel and concrete construction industry, involving lectures, labs and site visits.

Over the years, SAISC has been involved in lecturing the steel portion of this course and with great pleasure, I had the honour lecturing the 2nd year students on behalf of the institute. The main aim was to enlighten the students on all things structural steel and hopefully inspire the next generation of structural engineers, who will prefer structural steel for their designs, just as I was inspired when taught by SAISC Honorary Member Spencer Erling, in my time at Wits.

The students were lectured on the following topics:

- Basics of Steel
- Steelmaking Process
- Steel Value Chain
- Types of Steel Structures
- Connections
- Structural Steel Systems
- Corrosion Protection of Steel
- Fire Protection of Steel Structures
- Welding in Structural Steel
- Introduction to Structural Steel Design
- Costing of Steel Structures

The course concluded with a test and to add some fun, the student with the



highest test mark would be presented with a SAISC Red Book, which would bode well for the 3rd year structural steel design course.

The field trips are the main highlights of this course, in order to tie in what was taught in lectures and what is applied in industry. This usually involves a construction site visit of a predominant steel structure and structural steelwork fabricator workshop visit.

This year the students went to Corroseal Warehouse (Boksburg) and Tass Engineering workshop. This was thoroughly enjoyed by the students as they were able to see first-hand what was taught in class, the role of structural steelwork fabricator but most importantly an insight into what they'll be exposed to as structural engineers.



94 HIGH-QUALITY, DIVERSE AND INNOVATIVE ENTRIES FOR SAISC 2019 STEEL AWARDS

Since it was first celebrated 38 years ago, the SAISC Steel Awards has grown to become the steel construction industry's premier event. Succeeding years have seen this event growing to this year's record of 94 entries.



In the lead up to the awards, which takes place on the 10 October, nine Steel Awards judges have been hard at work travelling the country assessing the various entries. Feedback from the judges is that they were gratified to see not only the record number of entries but also the diversity of building types which have been entered this year. The entries range from schools, bridges, corporate head offices, a flight simulator building, minerals processing plants, a colliery processing plant, a nitro phosphate plant, warehouses, shopping centres and a hotel, among the many other entries.

"What impressed me was the range of building types which was much broader than last year," says SAISC Technical Director Amanuel Gebremeskel.

"For example, we have a building entered this year where the client is the Department of Health. In my experience of the Steel Awards, I do not ever recall having a government building as an entry," he explains. He comments that the broader range

of entries also not only pertains to building type, but also to size, ownership and construction / property value – which ranges from cost-effective to high-end.

There was also a much evidence of innovation this year in the use of steel in architectural applications. Gebremeskel also notes the number of steel screens in the various entries. Apart from their functionality, these screens have also been used to improve the aesthetics of the overall structures.

"For example, we received an entry which is a boutique hotel in Johannesburg's northern suburbs. What is truly novel about the building is its use of exterior steel screening, which provides both shade and improved construction sustainability. He explained that the outer screens surrounding the building had been used to support various types of creepers and vegetation, which render the building far less intrusive in its setting. "The use of steel has very cleverly been used to alter the perception of passers-by of the size

of the hotel," he adds, pointing out that it is most encouraging this year that more innovation is apparent in the use of steel, both structurally and architecturally.

What is also noticeable is the growing use of light steel frame building (LSFB) technique among this year's crop of entries.

"For example, the government building entered is an office block, which has been constructed from light steel frame (LSF) components," he remarks.

"In these constrained economic times – particularly for the steel industry and construction sector, which have been under enormous pressure – the number, diversity, innovation and quality of the entries for the 2019 Steel Awards is a hugely promising indication that the 'doom and gloom' is set to give way to a brighter and more prosperous future," he concludes.

Steel Awards Project Teams YouTube playlists: http://bit.ly/SAISCSteel19_PT



Above (from left to right): Heather Salinger (Independent Detailer), Amanuel Gebremeskel (SAISC) and John Barnard (SASFA); Thulani Sibande (Paragon Architects); Amanuel Gebremeskel and Heather Salinger.

Far Left: In addition to submitted photographs, judges on site snap a few pictures of things that catch their attention.

Left: Project site visits are an ideal opportunity for team members to point out key elements to judges.

THE SOUTHERN AFRICAN INSTITUTE OF STEEL CONSTRUCTION

steel AWARDS 2019

10 OCTOBER 2019

GAUTENG – WESTERN CAPE – KWAZULU NATAL

Join the Southern African Institute of Steel Construction as we celebrate excellence in the use of structural steel at our prestigious annual Steel Awards event.

DATE

10 October 2019

TIME

Pre-dinner drinks from 18:00, Formal programme 19:00 – 22:30

VENUES

Gauteng: Blue Wing, Coca Cola Dome, Northriding • **Cape Town:** Venue D'Aria, Durbanville

Kwazulu-Natal: Mount Edgecombe Country Club

ATTENDANCE FEE

R980 p/p OR R9 500 per table of 10 persons

Includes Gala Dinner and Table Wines. Cash bar facilities available

DRESS CODE

Formal / Black Tie

SPONSORS • SPONSORS • SPONSORS • SPONSORS • SPONSORS • SPONSORS • SPONSORS • SPONSORS • SPONSORS • SPONSORS



BSI Steel
Main Sponsor Gauteng



Aveng Trident Steel
Main Sponsor Western Cape, Main Sponsor Kwazulu Natal, National Entertainment Sponsor



Macsteel
Digital Trailblazer Sponsor



Cadex Systems SA
Photo Competition Sponsor



Safintra South Africa
Factory and Warehouse Category Sponsor



Global Roofing Solutions
Metal Cladding Category Sponsor



ArcelorMittal South Africa
Architectural Category Sponsor



MiTek South Africa
Light Steel Frame Building Category Sponsor



ASTPM
Tubular Category Sponsor



Safal Steel
Innovation Category Sponsor



NJR Steel
Partner Sponsor



Stewarts & Lloyds
Partner Sponsor



ProRoof Steel and Tube
Partner Sponsor



KRU Detailing
National Photobooth Sponsor

Event details, as well as type-in PDF registration forms, are available on our website at www.saisc.co.za

Booking forms can be e-mailed to events@saisc.co.za and all event queries to liezel@saisc.co.za

#POSITIVESTORYOFSTEEL

steel

AWARDS 2019



SUBMIT YOUR ENTRY FOR THE CADEX SA PHOTO COMPETITION!

The SAISC Steel Awards is an annual celebration of the excellent work the Southern African steel construction industry produces. For the last 8 years, the Steel Awards Photo Competition has run alongside the event. In 2018, for the first time ever, the photo competition was run on Instagram. We were so encouraged by the public participation that we've decided to do so again this year.

THANK YOU TO OUR GENEROUS SPONSORS CADEX SA FOR MAKING THIS POSSIBLE.

How to enter

1. Follow @SteelAwards on Instagram
2. Post a picture on your Instagram account of any of the following:
 - A South African structure showcasing structural steel
 - An abstract or artistic image featuring South African structural steel
 - A portrait of a person who works in the South African steel industry
3. Tag @steelawards and add the hashtags #PositiveStoryOfSteel and #SAISCSteel19 to your post

Each unique photograph is an entry (i.e. - no duplicates allowed). There is no limit on the number of entries allowed per Instagram account.

Copyright

Please do not post images that you do not hold the copyright for. Should it be discovered that the submission is a breach of copyright, the photograph will be disqualified.

Photo judging and prize

The top 10 photos with the highest number of likes will be shortlisted, after which the winning image will be selected by the SAISC, in consultation with the photo competition sponsor, Cadex SA.

The winning photograph will receive a R10 000 cash prize. A ceremonial credit card will be handed over to the winner at the SAISC Steel Awards Gala dinner on 10 October 2019, after which arrangement will be made to transfer the prize money to the winner's account.



Deadline for photo submission: Entries must be posted on **Instagram** as stipulated above by **10 September 2019**.

For more information, please contact **Denise Sherman** on **(011) 726 6111**.

WHAT CAN LEGALLY BE DONE WHEN THE CONSTRUCTION MAFIA STRIKES?

BY JOHAN VAN DER WATH, RN IN CONSTRUCTION ATTORNEYS

They have been called criminal, and labelled the construction mafia. Their supporters believe they are legitimate agents of “radical economic transformation”.¹ A genuine demand for access to economic opportunities cannot legitimately be obtained through the use of violence. *The Mail and Guardian* have reported that there are about 183 infrastructure and construction projects nationwide, valued at more than R63-billion, and that these projects have been hindered on numerous occasions by violent disruptions led by entities claiming to be local community or business forums, demanding a stake, typically 30%, in projects.²

How does one recognise the construction mafia? Usually the situation will start off with the community forum demanding employment for the local community on the project. If their demands are not met and the community forum becomes violent, they can be classified as the construction mafia. With all the negative press surrounding the violent attacks from the construction mafia it might seem that you’re up against an unstoppable force. One needs to ask, what can legally be done when the construction mafia strikes?

We propose the following preventative steps should be taken to avoid the community forum turning into the construction mafia:

1. During the tender stage ensure that SASRIA insurance has been taken out for the works in the name of the Employer and include a local procurement requirement in the JBCC contract with penalties should the contractor fail to satisfy the local procurement requirement. Contractors therefore need to ensure that they comply with the local procurement requirement.
2. Schedule a first meeting with the local community forum and conduct the meeting without security, the contractor must also be present at the meeting.



- The meeting must be recorded, or minutes of the meeting must be taken. An attendance register should be completed with full details of all the persons in attendance being recorded, which includes their address, full names and telephone numbers. During the meeting the rates and CV's from local contractors must be requested.
3. If the local contractor is not happy with the contract sum, then schedule a meeting with the local contractors during which meeting the decision to not appoint them is communicated. Security must be in attendance during this meeting.
4. After the court order has been obtained the order must be executed. The execution process is as follows:
 - a. The sheriff along with police must be instructed by your attorney to remove the persons/ blockages to the site.
 - b. A contempt of court application can be launched by your attorney if the person/s against who/m the court order was granted fails to comply with the court order.

If confronted with the construction mafia on site or during the aforementioned meeting, then the following steps must be taken:

1. Consult with an attorney so that a letter can be drawn up and sent to the person/s making the threats in terms of which a written undertaking to desist from making threats are requested from them.
2. If no reply is received, then the attorneys should be instructed to launch an urgent application at the High Court to obtain an interdict against the specific individuals who have made threats of violence etc.
3. The High Court interdict procedure will take approximately 2 weeks.

Always seek legal advice before interacting with the construction mafia. It is also important for the parties to remember that although the High Court interdict procedure and the associated costs thereof can be discussed during consultation with your attorney, some contingency for these costs must be included in the project budgets. Contractors are advised that they should allow some time for this disruption in their construction programme.

¹Lynley Donnelly, Rise of the new construction “mafia”, (12 April 2019), <https://mg.co.za/article/2019-04-12-00-rise-of-the-new-construction-mafia>

²Lynley Donnelly, Rise of the new construction “mafia”, (12 April 2019), <https://mg.co.za/article/2019-04-12-00-rise-of-the-new-construction-mafia>

CHOOSING THE CORRECT VAPOUR BARRIER RESULTS IN A LIFETIME OF ENERGY SAVING

EDITORIAL SUBMITTED BY MARSHALL HINDS

Buildings with composite walls such as light steel frame and timber are engineered to last and have less impact on the environment over the lifetime of the building. Light steel frame and timber buildings, need less cooling and heating than traditional structures, while also providing for clean building sites and time saving during the construction phase.

The energy saving of a properly constructed composite building has been proven to be at least 30% and this does not diminish over the lifetime of the building. This cost saving is largely dependent on external walls having an effective weather resistant vapour barrier.

The purpose of a weather vapour barrier is to allow the walls to resist bulk water penetration and also to facilitate the drying out properly of the wall construction. Drying is one of the critical components of moisture management which can be impacted by wall construction and climate. The faster a wall is allowed to dry, the more durable and problem-free a wall system and a building will be.

In order to be effective, a good weather resistant vapour barrier has to function in four important ways:

1. It MUST have a high level of bulk water resistance – to help protect the wall cavity from water that gets behind the cladding. Bulk water is water in liquid form such as rain, dew or snow.
2. It MUST have moderate to high vapour permeability – to promote drying out of wall systems. Vapour permeability is commonly referred to as breathability.
3. It MUST have a high level of air resistance – to help prevent drafts, reduce energy bills and resist the flow of moisture laden air through wall cavities.
4. It MUST be durable to withstand the rigors of the construction site and continue to perform once construction is completed.

Bulk water hold out

Because wall cavities do get wet, roofs leak, plumbing leaks, condensation occurs and construction materials are installed wet, the internal moisture loads can be very high. However it happens, walls get wet and require a way to dry out. When a wall can't dry out, it becomes vulnerable to moisture-induced damage including mould and rot. In an ideal situation walls must be designed and engineered to allow maximum drying while still maintaining the other critical, tensile strength properties.

Many products that are commonly used in the building industry to act as a bulk water barrier, such as perforated wrap, builders paper and felt often result in wicking and walls that absorb rather than repel moisture. These materials create the ideal breeding ground for mildew that is toxic to humans and destroys buildings.

Vapour permeability, water vapour transmission and perm ratings

Moisture Vapour Transmission Rate (MVTR) is the measurement referenced in building codes and is measured in a lab using ASTM E96. The test method measures how much moisture vapour is allowed to pass in a 24-hour period (adjusted for vapour pressure) to get the moisture vapour permeance (MVP) or perm rating. Although building standards allow for measures as low as 5 perms, this is often not sufficient to allow for proper drying of the wall cavity. Perm values of up to 58 are possible and considered a high permeability.



Laboratory and practical tests have yielded some interesting results for perm rating of some of the materials used daily as vapour barriers. These *tests are available on request.

Perforated branded wrap: 6.7 perms

Unbranded builders paper: 5 perms

Unbranded felt: 15 perms

Proprietary branded high density polyethylene: 58 perms.

The higher the number of perms, the more moisture vapour the material will allow to pass and the better drying the material allows. If drying of walls is negatively impacted, moisture issues are more likely to occur, increasing the potential for mould, mildew and rot.

Air resistance and protecting the buildings R-value

The third function of a weather resistant vapour barrier is to help the insulation maintain its R-value by keeping air from infiltrating the wall system. Air filtration into wall cavities is directly related to the energy costs of heating and cooling a home. Many house wraps fail to meet the basic air barrier requirement of <0.06 cfm/ft².

Because weather resistant barriers have no inherent R-value, they are often neglected and under specified in the building planning phase. Even if a vapour barrier has a high perm rating and is technically able to withstand air filtration, it is important that products are correctly installed and that overlaps are either shingled or taped as recommended by manufacturers.

Installation shortcuts and inferior vapour barrier materials are unfortunately only evident once buildings are occupied and it is too late to reconsider.

All builders and construction companies plan to build quality homes and buildings that last. With sufficient knowledge and the correct product choices, a building can be a durable structure with wall systems that resist water and air while maintaining breathability and save costs for a lifetime of energy saving.

For more information* on vapour barriers that are engineered to provide the optimum balance of properties for superior performance contact Denise at Marshall Hinds on 021 701 1271, www.marshallhinds.co.za

Pictures courtesy of Rancor

IF IT'S ALL DOOM AND GLOOM, WHY SO MANY CRANES ON THE SKYLINE?

Patrick McNerney came away from the recent 2019 SAPOA Convention feeling depressed about the range of the discussion regarding the property industry and the economy in general. If things are really so bad, he asks, why are a record number of building cranes adorning our city skylines, why are we not celebrating the successes?

This year's SAPOA Convention was probably the most downbeat that I've attended in my many years in the building industry. The majority of speakers gave us bad news – ranging from water scarcity problems through to concerns about the oversupply of property, the industry's talent drain and government's lack of policy certainty.

I know I wasn't the only attendee to come away disheartened. It's feasible that some negativity was orchestrated to send government a message. But there were probably people who decided to leave South Africa based on what they were told in that conference room.

As I pondered what I'd heard, I realised that all this negativity is ridiculous! Why, I asked myself, if things are so bad do we have a record number of building cranes operating in places such as Sandton, Rosebank and Cape Town? How, if the building industry is on the brink of implosion as some would have us believe, is it possible to have more cranes working on construction projects than at any time since the 1960s? Have we got less policy certainty than in 1994?

I am certainly not one to put my head in the sand as to the problems we're facing as an industry. But I believe we're in danger of creating a self-fulfilling prophecy by ignoring the many positives and talking ourselves into a self-created downturn.

Those hard-working cranes

Part of the reason for the abovementioned cranes is the enormous property boom in the central nodes. Many new A-grade buildings are coming on stream and being filled by tenants previously in B-grade buildings. So there's now an oversupply of B-grade property and, because of all the new projects, an oversupply of A-grade as well.

But it is part of the natural cycle of the industry and not the harbinger of its imminent doom. Those empty B grade spaces represent a massive opportunity for the future.

Water and energy scarcity solutions

The fact that SA effectively ran out of water in 2016 and that around 41% of water is lost due to bad infrastructure is obviously concerning. So too is the reality that obtaining water usage licences for new developments is now far harder than it has ever been.

But the good news is that solving the water scarcity problem has been declared the number one priority for Government. Cape Town, after staring down the barrel of its own Day Zero in early 2018, has made tremendous strides in water conservation. Rand Water recently carried out a major water infrastructure upgrade in Gauteng, which, despite howls of protest from the public and media because of the required shutdown of services, is a definite positive.



Going forward, successful building developments will require that water and energy consumption be reduced and, as far as possible, buildings contribute to energy generation, and water be collected and reused. The technology already exists to achieve this. At Co-Arc International Architects, for example, a major project we successfully completed in Accra – Ghana required that we not only conserve the limited water supply, but reuse and augment it to the point where we achieved a 76% saving in water consumption. The same project had 60% savings in net energy consumption and an embodied energy almost 100% less than average.

Retail not heading for disaster

Much has been made of the consumers' change in buying patterns and the potentially disastrous consequences for retail developments. Certainly shopping habits have changed and online retail is growing rapidly.

Yet the fundamental reality is that people still want to be together and to commune with others. They still want to be seen to be purchasing and to be able to touch, feel and try out products – before perhaps buying online. So bricks-and-mortar retail isn't dying. It will just be different and unlock new development opportunities for our cities.

Several new developments

The cry that "there are no good new developments in South Africa" is contradicted by top-quality developments such as the Leonardo, a 55-floor mixed-use property development currently under construction in Sandton and which will ultimately be Africa's tallest building. Midrand's Waterfall City, an 800 000m² mixed-use space, is of similar quality.

Both projects are being driven by people who are positive about the country, optimistic about where it can go, and believe in its capacity to lead Africa.

Addressing the skills shortage

Slow economic growth, fewer new projects, cost-cutting and BEE requirements have all contributed to many experienced people – whether trades people or professionals – being lost to the industry via emigration or other factors. As an example, when we started working on The Leonardo there were 12 engineers in the country with high-rise experience. This has been subsequently reduced significantly as a result of retirement and suitably trained young engineers moving overseas.

We addressed this challenge with a new all-South African team. We worked with one of the last remaining structural engineers with the necessary experience and expertise and trained new people. In our own office, we now have 12 architects, mostly under 35, who know what it takes to do a high-rise building. This pool of talent opens new doors for us as a business and there's surely no reason why other architectural firms cannot do the same.

In conclusion

The above are just some of the solutions to our industry's challenges. But if you add into the equation the fact that South Africans are a hard-working and resilient bunch, then we can challenge the negative thinking that pervades the building industry right now.

Be bold, be positive, think in new ways, look beyond the traditional structures of how we do business... and we can move forward!

SAISC MEMBERS**STEEL PRODUCERS****ArcelorMittal South Africa**

Representative: Gaurav Nagpal
Tel: +27 16 889 9111
Gaurav.Nagpal@arcelormittal.com
www.arcelormittal.com

Cape Gate

Representative: Martin Friedman
Tel: +27 16 980 2121
friedmnm@capegate.co.za
www.capegate.co.za

Columbus Stainless (Pty) Ltd

Representative: Lucien Matthews
Tel: +27 13 247 2805
matthews.lucien@columbus.co.za
www.columbus.co.za

Scaw South Africa (Pty) Ltd

Representative: Morgan Pillay
Tel: +27 11 620 0241
mpillay@scaw.co.za
www.scaw.co.za

UNICA Iron & Steel (Pty) Ltd

Representative: Ravin Singh
Tel: +27 12 719 9736
ravin@unica.co.za
www.unica.co.za

STEELWORK CONTRACTORS**Eastern Cape****Industrial Services Group**

Representative: Errol Thomson
Tel: (043) 707-2700
ethomson@isgeng.co.za
www.isgeng.co.za

Uitenhage Super Steel cc

Representative: Ginkel Venter
Tel: +27 41 922 8060
ginkel@uss.co.za

Gauteng**African Steel & Associated Projects**

Representative: Colin Wilson
Tel: +263 4 621584
ops@thesteelbuildingco.co.zw
colincampbellwilson@gmail.com
www.agrstructures.co.zw

Betterect (Pty) Ltd

Representative: Nicolette Skjoldhammer
Tel: +27 11 762 5203
nicolette@betterect.co.za
www.betterect.co.za

Cadcon (Pty) Ltd

Representative: Richard Butler
Tel: +27 12 664 6140
richbutler@cadcon.co.za
www.cadcon.co.za

Central Welding Works

Representative: Stephen Horwitz
Tel: +27 12 327 1718
stephen@cwvpta.co.za

Ferro Eleganza (Pty) Ltd

Representative: Chris Narbones
Tel: +27 12 803 8035
admin@ferroe.co.za
www.ferroe.co.za

**Energy Fabrication (Pty) Ltd
t/a Genrec Engineering**

Representative: Sicelo Buthelezi
Tel: +27 11 876 2309
sicelo.buthelezi@genrec.co.za
www.genreceng.co.za

Khombanani Steel (Pty) Ltd

Representative: Marten Spencer
Tel: +27 11 975 0647
marten@tasseng.co.za

Louwill Engineering (Pty) Ltd

Representative: Lourens Kidson
Tel: +27 11 818 5844
lourens@louwill.co.za
www.louwill.co.za

Magnet Engineering (Pty) Ltd

Representative: Diniz Belo
Tel: +27 11 908 3500
magnetgr@global.co.za
www.magnetengineering.co.za

MPW Steel Construction (Pty) Ltd

Representative: Nic Tallarico
Tel: +27 11 450 3380
nic@mpwtalmac.co.za
www.mpwtalmac.co.za

NJW Engineering Services cc

Representative: Nick Van Deventer
Tel: +27 12 541 3931
nick@njw.co.za

SE Steel Fabrication (Pty) Ltd

Representative: David J Essey
Tel: +27 11 953 4584
sesteel@icon.co.za

Sectional Poles (Pty) Ltd

Representative: Phil M Koen
Tel: +27 12 348 8660
pkoen@sectionalpoles.co.za
www.sectionalpoles.co.za

SMEI Projects (Pty) Ltd

Representative: Sandy Pratt
Tel: +27 11 914 4101
afpratt@smei.co.za
www.smei.co.za

Spiral Engineering cc

Representative: Colin Kirkland
Tel: +27 11 474 9119
colin@spiralengineering.co.za
www.spiralengineering.co.za

Steel Band Construction cc

Representative: Steven Smit
Tel: +27 11 425 4569
steelband@icon.co.za
www.steelbandconstruction.co.za

Tass Engineering (Pty) Ltd

Representative: Tim Tasioulas
Tel: +27 11 975 0647
tim@tasseng.co.za
www.tass.co.za

TMW Fabrication (Pty) Ltd

Representative: Nick Lyons
Tel: +27 82 680 4126
nick@metalworker.co.za
www.tmwfabrication.com

Trentbridge Engineering cc

Representative: David Hunter
Tel: +27 16 365 5327
trentfab@intekom.co.za

Tudor Engineering & Draughting cc

Representative: Braam Beukes
Tel: +27 11 914 5163
tudora@mweb.co.za

Viva Engineering (Pty) Ltd

Representative: Collen Gibbs
Tel: +27 11 392 3926
colleng@vivaeng.co.za
www.vivaeng.co.za

WBHO Services North

Representative: Andrew Breckenridge
Tel: +27 11 265 4000
andrewb@wbho.co.za
www.wbho.co.za

KwaZulu-Natal**Avellini Bros (Pty) Ltd**

Representative: Pietro Avellini
Tel: +27 31 464 0421
ravellini@iafrica.com

DAVGO cc

Representative: Bryce Goss
Tel: +27 31 765 2994
bryce@davgo.co.za
www.davgo.co.za

Churchyard & Umpleby

Representative: Keith Ball
Tel: +27 31 701 0587
keith@candu.co.za
www.candu.co.za

**Cousins Steel International
(Pty) Ltd**

Representative: Adam Oldfield
Tel: +27 31 312 0992
adam@cousinssteel.co.za
www.cousinssteel.co.za

Impact Engineering cc

Representative: Douglas Nidd
Tel: +27 32 947 1054
impact@saol.com
www.impacteng.co.za

Ogilvie Engineering (Pty) Ltd

Representative: Allan Olive
Tel: +27 31 736 1643
allan@ogilvieengineering.co.za

Rebcon Engineering (Pty) Ltd

Representative: Warren Butler
Tel: +27 31 705 5851
warren@rebcon.co.za
www.rebcon.co.za

**SpanAfrica Steel Structures
(Pty) Ltd**

Representative: James Pinnell
Tel: +27 33 346 2555
jamesp@spanafrica.co.za

Steelkon Projects

Representative: Konrad Karcz
Tel: +27 82 971 5916
konrad@steelkon.co.za
www.steelkon.co.za

Mpumalanga**B & T Steel**

Representative: Bryan Wilken
Tel: +27 13 665 1914
marketing@btsteel.co.za
www.btsteel.co.za

Da Costa Construction Welding cc

Representative: Tobie Oosthuizen
Tel: +27 17 647 1130
tobie@dcconstruction.co.za

GPM Services

Representative: Wessel Venter
Tel: +27 71 697 5802 / 82 452 9306
wessel@gpms.co.za
www.gpms.co.za

Tubular Holdings (Pty) Ltd

Representative: Mike Lomas
Tel: +27 11 553 2012
mlomas@tubular.co.za
www.tubular.co.za

Steel Services and Allied Industries

Representative: Lawrence Bartlett
Tel: +27 18 788 6652/3
lawrenceb@steelservices.co.za
www.steelservices.co.za

North West**Tetra Con (Pty) Ltd**

Representative: Kappie Kleinsmit
Tel: +27 14 538 0050
kappie@tetracon.co.za

Western Cape**Inenzo Water (Pty) Ltd**

Representative: Jan Cloete
Tel: +27 21 948 6208
admin@inenzo.com
www.inenzo.com

Mazor Steel cc

Representative: Shlomo Mazor
Tel: +27 21 556 1555
judy@mazor.co.za
www.mazor.co.za

Prokon Services (Pty) Ltd

Representative: Martin Lotz
Tel: +27 21 905 4448
martin@prokonservices.co.za
www.prokonservices.co.za

Union Structural Engineering Works

Representative: Mike N Papanicolaou
Tel: +27 21 534 2251
michael@unionsteel.co.za
www.unionsteel.co.za

STEEL MERCHANTS & SERVICE CENTRES**Gauteng****Allied Steelrode (Pty) Ltd**

Representative: Justin Dax Cloete
Tel: +27 10 216 0189
justinc@alliedsteelrode.co.za
www.alliedsteelrode.com

Aveng Trident Steel**A division of Aveng Africa (Pty) Ltd**

Representative: Eileen Pretorius
Tel: +27 11 861 7102
eileen.pretorius@trident.co.za
www.avengtridentsteel.co.za

BSi Steel (Pty) Ltd

Representative: Keith Whiting
Tel: +27 11 861 7603
keith.whiting@bsisteel.com
www.bsisteel.com

Macsteel Service Centres SA (Pty) Ltd

Representative: Granville Rolfe
Tel: +27 11 871 4677
granville.rolfe@mactrading.co.za
www.macsteel.co.za

Macsteel VRN

Representative: Jimmy Muir
Tel: +27 11 861 5200
jimmy.muir@vrn.co.za
www.vrnsteel.co.za

NJR Steel Services (Pty) Ltd

Representative: Greg Mollett
Tel: +27 11 477 5515
gmollett@njrsteel.co.za
www.njrsteel.co.za

SSAB SA (Pty) Ltd

Representative: Raymond Rautenbach
Tel: +27 11 724 5046
Raymond.Rautenbach@ssab.com
www.ssab.com

Stewarts & Lloyds Holdings (Pty) Ltd

Representative: Mandy de Lange
Tel: +27 11 553 8500
mandyd@sltrading.co.za
www.stewartsandlloyds.co.za

TW Profile Services (Pty) Ltd

Representative: Leon Coetzee
Tel: +27 894 3031
leonc@twprofile.co.za
www.twprofile.co.za

KwaZulu-Natal**Macsteel Trading Durban**

Representative: Marcus Nel
Tel: +27 31 913 2600
marcus.nel@mactrading.co.za

Western Cape**Macsteel Trading Cape Town**

Representative: Maria Francis
Tel: +27 21 950 5506
maria.francis@mactrading.co.za

STEEL PRODUCT MANUFACTURERS**Almec Manufacturing cc**

Representative: Joan Basson
Tel: +27 18 469 3202
joanalmecc@gds.co.za
www.almecmanufacturing.co.za

Amanzi Storage Solutions (Pty) Ltd

Representative: Duane Ramos
Tel: +27 11 493 1197
duane@amanziss.co.za

Augusta Steel (Pty) Ltd

Representative: Nico Erasmus
Tel: +27 11 914 4628
nico@augustasteel.co.za
www.augustasteel.co.za

Cap Star Steel (Pty) Ltd

Representative: Pierre Willemse
Tel: +27 12 347 5595
pwillemse@capitalstarsteel.co.za
www.capitalstarsteel.co.za

COLVIC Marketing & Engineering (Pty) Ltd

Representative: Vic Hall
Tel: +27 11 457 8500
vich@colvic.co.za
www.colvic.co.za

George Stott & Co (Pty) Ltd

Representative: Johan Venter
Tel: +27 11 474 9150
johanv@geostott.co.za
www.geostott.co.za

Mentis Sales

Representative: Dean Weil
Tel: +27 11 255 3200
deanw@mentis.co.za
www.mentis.co.za

Robor (Pty) Ltd

Representative: Glen Nolan
Tel: +27 11 971 1600
glenn@robor.co.za
www.robor.co.za

Rufco Construction (Pty) Ltd

Representative: Lorry Ruffini
Tel: +27 53 313 1651
info@rufco.co.za
www.rufco.co.za

SBS Water Systems (Pty) Ltd

Representative: Hlengiwe Matiwane
Tel: +27 31 716 1820
hlengiwe@sbsmarketing.co.za
www.sbsgroup.co.za

Swasap (Pty) Ltd

Representative: Derek Anderson
Tel: +27 11 873 6666
derek@swasap.com
www.swasap.co.za

Urethane Moulded Products (Pty) Ltd

Representative: Trevor Carolin
Tel: +27 11 452 1000
trevor@ump.co.za
www.ump.co.za

Vital Engineering & Angus Mcleod (Pty) Ltd

Representative: Glen Pringle
Tel: +27 11 898 8500
glen@gratings.co.za
www.gratings.co.za

Void Pro Manufacturing (Pty) Ltd

Representative: Andries Botha
Tel: 0861 106 275
info@voidcon.co.za
www.voidcon.co.za

CORROSION & FIRE PROTECTION TO STEEL**ARMCO Superlite (Pty) Ltd**

Representative: Anthonie de Wit
Tel: +27 11 974 8511
dewit.anthonie@armco.co.za
www.armco.co.za

Corrosion Institute of Southern Africa

Representative: Donovan Slade
Tel: +27 10 224 0761
president@corrisa.org.za
www.corrisa.org.za

Hot Dip Galvanizers Association of SA

Representative: Robin Clarke
Tel: +27 11 456 7960
hdgasa@icon.co.za
www.hdgasa.org.za

CRANES**RGM Cranes**

Representative: Ian O'Hara
Tel: +27 11 422 3690
ian@rgm.co.za
www.rgmcranes.com

CONSULTING ENGINEERS, DETAILERS & PROJECT MANAGERS**Gauteng****AECOM SA (Pty) Ltd**

Representative: Lara Lombard
Tel: +27 12 421 3832
Lara.Lombard@aecom.com
www.aecom.co.za

Anglo Operations Ltd

Representative: Kurt Waelbers
Tel: +27 11 638 9111
kurt.waelbers@angloamerican.com
www.angloamerican.com

Aurecon South Africa (Pty) Ltd

Representative: OJ Ajayi
Tel: +27 11 214 4500
OJ.Ajayi@aurecongroup.com
www.aurecongroup.com

Arup (Pty) Ltd

Representative: Kimon Comninos
Tel: +27 11 218 7739
kimon.comninos@arup.com
www.arup.com

Bigen Africa Services (Pty) Ltd

Representative: Daneel Strydom
Tel: +27 12 842 8840
daneel.strydom@bigenafrica.com
www.bigenafrica.com

CND Structural Services (Pty) Ltd

Representative: Claudio Correia
Tel: +27 82 353 3818
claudio@cnd-ss.com
www.cnd-ss.com

Clearspan Structures (Pty) Ltd

Representative: Jeff Montjoie
Tel: +27 11 823 2402
jmo@clearspan.co.za
www.clearspan.co.za

Consultaurie Design (Pty) Ltd

Representative: Mark Phillips
Tel: +27 11 234 6787
mark@ctauri.com

DRA Projects (Pty) Ltd

Representative: Ryan Males
Tel: +27 11 086-2325
ryan.males@draglobal.com
www.draglobal.com

EDS Engineering Design Services (Pty) Ltd

Representative: Hergen Fekken
Tel: +27 12 991 1205
hergen@edseng.co.za
www.edseng.co.za

Fluor South Africa (Pty) Ltd

Representative: Colin Morris
Tel: +27 11 519 6000
colin.morris@fluor.com
www.fluor.com

Hatch Africa (Pty) Ltd

Representative: Morne Fourie
Tel: +27 11 239 5422
morne.fourie@hatch.com
www.hatch.com

Imbabala Contractors

Representative: Michael Mamotte
Tel: +27 11 902 2952
mikem@imbacontra.co.za
www.imbacontra.co.za

International Drafting Services (Pty) Ltd

Representative: Frans Vivier
Tel: +27 11 472 4466
frans@idrafting.co.za

KRU Detailing cc

Representative: Johann Strauss
Tel: +27 11 462 8296
johann@kru.co.za
www.steeldetailing.co.za

Malani Padayachee and Associates (Pty) Ltd (shortened version MPA (Pty) Ltd)

Representative: Malani Padayachee-Saman
Tel: +27 11 781 9710
admin@mpaconsulting.co.za
www.mpaconsulting.co.za

NAKO LBE

Representative: Nolan Pillay
Tel: +27 12 665 3102
nolan.pillay@nakogroup.com
www.nakogroup.com

Roytec Global (Pty) Ltd

Representative: Dewalt Sadie
Tel: +27 11 608 0000
Dewalt.Sadie@roytec.co.za
www.roytec.co.za

Tenova TAKRAF Africa

Representative: Leon Olwage
Tel: +27 11 201 2542
leon.olwage@tenova.com
www.takraf.com

VLE Draughting (Pty) Ltd

Representative: Benandi Page
Tel: +27 65 876 8840
benandi@vledraughting.co.za
www.vledraughting.co.za

WorleyParsons RSA

Representative: Ian Robinson
Tel: +27 11 218 3000
ian.robinson@worleyparsons.com
www.worleyparsons.com

WSP Group Africa (Pty) Ltd

Representative: John Truter
Tel: +27 11 300 6000
john.truter@wspgroup.co.za
www.wspgroup.co.za

KwaZulu-Natal**DMV Richards Bay (Pty) Ltd**

Representative: Le Roux Fourie
Tel: +27 35 789 1828
admin@dmvrb.co.za

Gavin R Brown & Associates

Representative: Gavin R Brown
Tel: +27 31 202 5703
gavbrown@global.co.za
www.gavbrown.co.za

Inqubeko Consulting Engineers

Representative: Freek Pretorius
Tel: +27 35 772 1592
freek@inqubeko.co.za
www.inqubeko.co.za

SDN Drawing Services cc

Representative: Sagren Govender
Tel: +27 31 464 8186
sdrawings@gmail.com

Young & Satharia Structural & Civil Engineering

Representative: Rob Young
Tel: +27 31 207 7252
rob@yands.co.za
www.yands.co.za

Mpumalanga**Bulkcon cc**

Representative: Desmond Enslin
Tel: +27 17 811 7520
desmond@bulkcon.co.za
www.bulkcon.co.za

Ijubane Projects (Pty) Ltd

Representative: Willie Greyling
Tel: +27 13 243 4390
willie@glps.co.za
www.glps.co.za

J.A.M.S. Geological Services cc

Representative: Pieter Vermeulen
Tel: +27 17 632 2990
pieter.vermeulen130969@gmail.com

Strydom & Malan Incorporated

Representative: Pieter Strydom
Tel: +27 13 653 6340
pstry@mweb.co.za

North West**Greyhorn Engineering (Pty) Ltd**

Representative: Justin Kahari
Tel: +27 18 462 0346
justin@greyhorneng.co.za
www.greyhorneng.co.za

Western Cape**By Design Consulting Engineers**

Representative: Barend Oosthuizen
Tel: +27 83 287 1995
barend@bydesign.org.za
www.bydesign.org.za

Kantey & Templer (Pty) Ltd

Representative: Chris Von Geusau
Tel: +27 21 405 9600
chrsvg@kanteys.co.za
www.kanteys.co.za

KLS Structural (Pty) Ltd

Representative: Gerrit Steyn
Tel: +27 21 948 0900
gerrit@kls.co.za
www.kls.co.za

Mondo Cane cc

Representative: Rob Chalmers
Tel: +27 21 852 2447
rob@mondocane.co.za
www.mondocane.co.za

SMEC South Africa (Pty) Ltd

Representative: John Anderson
Tel: +27 21 417 2900
john.anderson@smec.com
www.smec.com

International**Walsh Draughting Services**

Representative: Donal Walsh
Tel: 00 353 57 8624913
walshds@eircom.net
www.walshds.ie

CIVIL ENGR CONTRACTORS**Maccaferri SA (Pty) Ltd**

Representative: Adriano Gilli
Tel: 087 742 2710
Adriano.gilli@maccaferri.co.za
www.maccaferri.co.za

SUPPLIERS OF GOODS AND SERVICES TO THE INDUSTRY**C. Steinweg Bridge**

Representative: Willem Fourie
Tel: +27 11 625 3000
Willem.Fourie@za.steinweg.com

Cadex Systems SA (Pty) Ltd

Representative: John Swallow
Tel: +27 11 463 1857
johnswallow@cadexsa.com
www.cadexsa.com

Dram Industrial Painting Contractors

Representative: Martin Gossayn
Tel: +27 11 660 7594
admin@dram.co.za
www.dram.co.za

BSE Distributors cc

Representative: Elliot Marcinko
Tel: +27 11 609 4987
elliott@bsdistributors.co.za

First Cut (Pty) Ltd

Representative: Anthony Lezar
Tel: +27 11 614 1112
anthonyl@firstcut.co.za
www.firstcut.co.za

Industrial Painting Services (Pty) Ltd

Representative: Sean Bemelman
Tel: +27 11 421 0314
onsitepainting@worldonline.co.za
www.onsitepainting.co.za

Lindapter International

Representative: Louise Foster
Tel: +44 (0) 1274 521444
lfoster@lindapter.com
www.lindapter.com

Retecon (Pty) Ltd

Representative: Hans-Peter Neth
Tel: +27 11 976 8600
neth@retecon.co.za
www.retecon.co.za

SGS Metlab (Pty) Ltd

Representative: Jacoline Botha
Tel: +27 11 917 5173
jacoline.botha@sgs.com
www.metlab.co.za

Southey Holdings (Pty) Ltd

Representative: Viloshini Pillay
Tel: +27 11 579 4600
vpillay@southey.co.za
www.southeycontracting.co.za

Timrite (Pty) Ltd

Representative: Deon Kruger
Tel: +27 11 475 1600
d.kruger@timrite.co.za
www.timrite.co.za

EMERGING/DEVELOPING**Four Tops Engineering Service cc**

Representative: Nyameko Ntsulumbana
Tel: +27 72 229 9128
fourtopseng@vodamail.co.za

ISILO Steel

Representative: Michael Perimal
Tel: +27 11 861 7612
michael.perimal@isilosteel.co.za
www.isilosteel.co.za

Zamani Engineering Services cc

Representative: David Nkosi
Tel: +27 13 690 1978
david@zamaniengineering.co.za

SASFA MEMBERS**MAJOR MATERIAL SUPPLIERS****ArcelorMittal South Africa**

Representative: Melvin Hickers
Tel: +27 16 889 4046
Melvin.hickers@arcelormittal.com
www.arcelormittal.com

Marley Building Systems

Representative: Garry Powell
Tel: +27 11 389 4500
garry.powell@etexgroup.com

OTHER MATERIAL AND COMPONENT SUPPLIERS**Harvey Roofing Products**

Representative: Albie Jordaan
Tel: +27 11 741 5600
albie.jordaan@macroofing.co.za
www.harveyroofingproducts.co.za

Izinga Roofing (Pty) Ltd

Representative: Jerred Micholson
Tel: +27 31 705 2411
jerred-izinga@avaxwd.co.za
www.izinga-sa.com

Kare Industrial Suppliers

Representative: Reitze Hylkema
Tel: +27 11 941 3170
reitze@kare.co.za
www.kare.co.za

LSFB MANUFACTURERS**AV Light Steel**

Representative: Vincent Bender
Tel: +27 79 954 1374
vincent@avlightsteel.co.za
www.avlightsteel.co.za

Dezzo Roofing (Pty) Ltd

Representative: Brandon Harding
Tel: 087 057 8550
brandon@dezzoroofing.co.za
www.dezzoroofing.co.za

Impoqo Trading cc

Representative: Mpumelelo Nhlapo
Tel: +27 11 868 1132
mpumi@impoqo.co.za

Kwikspace Modular Buildings Ltd

Representative: Con de Villiers
Tel: +27 11 617 8000
condevilliers@kwikspace.co.za
www.kwikspace.co.za

MiTek Industries South Africa (Pty) Ltd

Representative: Uwe Schluter
Tel: +27 11 237 8700
marketing@mittek.co.za
www.mii.com/southafrica

Rajan Harinarain Construction (Pty) Ltd

Representative: Rajan Harinarain
Tel: +27 74 184 8881
rhconstruction1@gmail.com
www.rhconstruction1.co.za

Razorbill Properties 127 (Pty) Ltd

Representative: Vernon van der Westhuizen
Tel: +27 16 423 1749/50
vernon@razorb.co.za
www.razorb.co.za

Simmers and Jack (Pty) Ltd

Representative: Daniel Watson
Tel: +27 11 706 6552
daniel.w@simmers.co.za
www.simmers.co.za

Siteform Roofing and Framing

Representative: Johan Fourie
Tel: +27 51 451 2166
info@siteform.co.za
www.siteform.co.za

Trumod (Pty) Ltd

Representative: Peter Thompson
Tel: +27 11 363 1960
peter@trumod.co.za
www.trumod.co.za

Zambezi Roofing & Steel

Representative: David Gale
Tel: +260 211 287684/
+27 76 301 5096
david.gale@zambezi-roofing.com
www.zambezi-roofing.com

SERVICE CENTRES AND DISTRIBUTORS**Framecad**

Representative: Sello Tlhotlhamajoe
Tel: +27 11 064 5759
SelloT@framecad.com
www.framecad.com

Global Specialised Systems KZN (Pty) Ltd

Representative: Thys Visagie
Tel: +27 31 468 1234
gmknz@globaldbn.co.za
www.globalsystems.co.za

Scottsdale

Representative: Steve Cullender
Tel: +27 11 486 4195
steve.cullender@scottsdalesteelframes.com
www.scottsdalesteelframes.com

DESIGN CONSULTANTS**Bapedi Civil and Structural Consultants**

Representative: Tumi Kunutu
Tel: +27 11 326 3227
tumi@bapediconsult.co.za
www.bapediconsult.co.za

By Design Consulting Engineers

Representative: Barend Oosthuizen
Tel: +27 21 883 3280
barend@bydesign.org.za

C-Plan Structural Engineers (Pty) Ltd

Representative: Cassie Grobler
Tel: +27 11 472 4476
cassie@cplanstruc.co.za
www.cplan.co.za

Hage Projects (Pty) Ltd

Representative: Gert Visser
Tel: +27 16 933 0195
gert@hage.co.za

Hull Consulting Engineers cc

Representative: Mike Hull
Tel: +27 11 468 3447
hull@iafrica.com

Martin & Associates

Representative: Ian Upton
Tel: +27 31 266 0755
ibu@martinjjw.co.za

ASSOCIATE MEMBERS**AAAMSA Group**

Representative: Hans Schefferlie
Tel: +27 11 805 5002
aaamsa@iafrica.com

ABSA Bank

Representative: Deon Brits
Tel: +27 11 350 3287
deonbr@absa.co.za

CSIR (Built Environment)

Representative: Llewellyn Van Wyk
Tel: +27 12 841 2677
lvwyk@csir.co.za
www.csir.co.za

HDGASA

Representative: Robin Clarke
Tel: +27 11 456 7960
robin@hdgasa.org.za
www.hdgasa.org.za

IZASA

Representative: Rob White
Tel: +27 83 456 4989
robwhite@icon.co.za
www.izasa.org

NASH New Zealand

Representative: Gordon Barratt
www.nashnz.org.nz

NASH Australia

Representative: Ken Watson
www.nash.asn.au

Pretoria Institute for Architecture

Representative: Mauneen Van Wyk
Tel: +27 12 341 3204
admin.pia@saia.org.za
www.saia.org.za

Standard Bank

Representative: Johann Strydom
Tel: +27 11 631 5977
Johanjj.strydom@standardbank.co.za

Steel Framing Alliance (USA)

Representative: Mark Nowak
www.steel framingalliance.com

University of Cape Town Dept of Civil Engineering

Representative: Sebastian Skatulla
Tel: +27 21 650 2595
sebastian.skatulla@uct.ac.za

University of Pretoria Faculty of Engineering

Representative: Riaan Jansen
Tel: +27 12 420 4111
riaan.jansen@up.ac.za

University of the Witwatersrand School of Mechanical Engineering

Representative: Terrance Frangakis
Tel: +27 11 717 7333
terrance.frangakis@wits.ac.za

BUILDING INDUSTRY**Ambient Contracting Services (Pty) Ltd**

Representative: Carlos Ferreira
Tel: +27 11 663 9100
acstenders@ambient.co.za
www.abecontracting.co.za

Container Consumables & Industrial Supplies

Representative: Leslie Sivasunker
Tel: +27 32 533 2266
lez@containerconsumables.co.za

Delca Systems (Pty) Ltd

Representative: Dr Mercy Mafara
Tel: +27 31 266 5900
info@delca.co.za
www.delca.co.za

Futurecon

Representative: Gerrit Burger
Tel: +27 82 826 0948
gerrit@futurecon.co.za

Group Five Housing (Pty) Ltd

Representative: Paul Thiel
Tel: +27 10 060 1555
pthiel@groupfive.co.za
www.groupfive.co.za

Halifax Projects

Representative: Marc Barnfather
Tel: +27 79 852 8572
marc@umgeniprjects.co.za

Lakeshore Trading 102 cc

Representative: Linky Delisile
Tel: +27 31 706 3695
deli@lakeshore.co.za

Ohlhorst Africa LBS (Pty) Ltd

Representative: Sergio Ferreira
Tel: +27 12 327 2411
info@ohlhorst.co.za
www.ohlhorst.co.za

Rancor

Representative: Charl van Zyl
Tel: +27 82 881 6879
charl@rancor.co.za
www.rancor.co.za

Shospec (Pty) Ltd

Representative: Bjorn Kahler
Tel: +27 33 386 0100
bjorn@shospec.co.za
www.shospec.co.za

SMC Africa

Representative: Andrew Dewar
Tel: +27 82 491 2717
andrew@smcafrica.com
www.smcafrica.com

Stag Homes cc

Representative: John Schooling
Tel: +27 21 794 0904
lindsayb@stagafrican.com
www.stagprop.com

Top Plan

Representative: Sarel Oberholzer
Tel: +27 21 903 3189
info@topplan.co.za
www.topplan.co.za

Zamadunga Business Enterprise

Representative: Thandi Ngcobo
Tel: +27 31 701 5431
info@zamadunga.co.za

Zookie Construction and Projects

Representative: Reshoketswe Nakene
Tel: +27 12 767 8820
zookiecp@gmail.com

SAMCRA MEMBERS**ALLIED PRODUCTS****Ash & Lacy South Africa (Pty) Ltd**

Representative: Dion Marsh
Tel: +27 11 792 9283
dion.marsh@ashandlacy.com

Kare Industrial Suppliers (Pty) Ltd

Representative: Reitze Hylkema
Tel: +27 11 334 0922
reitze@kare.co.za
www.kare.co.za

Rigifoam

Representative: Lyle Jeffery
Tel: +27 11 421 0313
lyle@rigifoam.com
www.rigifoam.com

Saint Gobain Construction Products South Africa (Pty) Ltd Isover Division

Representative: Bernard Asquith
Tel: +27 12 657 2800
bernard.asquith@saint-gobain.com
www.isover.co.za

CONTRACTOR**Chartwell Roofing (Pty) Ltd**

Representative: Mike Read
Tel: +27 83 625 1557
mike@chartwellroofing.co.za
www.chartwellroofing.co.za

Doublejack Construction (Pty) Ltd

Representative: Jason Knight
Tel: +27 11 828 3453
jason@doublejack.co.za

Monro Roof Sheetting

Representative: David Monro
Tel: +27 84 606 2110
dave@monrosheetting.co.za
www.monrosheetting.co.za

Tate & Nicholson**A division of Southey Holdings (Pty) Ltd**

Representative: Martin Bakker
Tel: +27 11 464 0910
mbakker@tn.co.za
www.southey.co.za

PRODUCER/MILL**ArcelorMittal South Africa**

Representative: Jan Kotze
Tel: +27 16 889 9111
jan.kotze@arcelormittal.com
www.arcelormittal.com

SAFAL Steel (Pty) Ltd

Representative: Sally Stromnes/
Willem van Heerden
Tel: +27 11 944 6800/31 782 5500
sally.stromnes@safalgroup.com/
willem.vanheerden@safalgroup.com
www.safalgroup.com

PROFILER/MANUFACTURER**Global Roofing Solutions a Division of Consolidated Steel Industries (Pty) Ltd**

Representative: Johan van der Westhuizen
Tel: +27 11 898 2902
johan@globalroofs.co.za
www.global-roofing-solutions.co.za

Macsteel Roofing

Representative: Lance Comber
Tel: +27 11 878 7500
Lance.Comber@macroofing.co.za

Safintra South Africa (Pty) Ltd

Representative: Rainer Straussner
Tel: 0861 723 542
rainer.straussner@safalgroup.com
www.safintra.co.za

REPAIR AND MAINTENANCE**GCF Projects**

Representative: Dale McLeod
Tel: +27 11 855 1243
info@gcfprojects.co.za
www.gcfprojects.co.za

PROPERTY DEVELOPER**NAMRU 89 cc**

Representative: David Sauermann
Tel: +27 11 868 4105
dsauermann@albertsdal4.co.za
www.namru89.co.za

POLASA MEMBERS**Ablon Construction cc**

Representative: Mel Steyn
Tel: +27 57 352 1081
mel@ablon.co.za
www.ablon.co.za

ACTOM Electrical Products

Representative: Mike Ulyett
Tel: +27 11 878 3050
mike.ulyett@actom.co.za
www.actom.co.za

ARB Electrical Wholesalers

Representative: Pauline Seaman
Tel: +27 31 910 0201
paulines@arb.co.za
www.arb.co.za

Avlock International

Representative: Tommy Holmes
Tel: +27 11 748 7000
tommy@avlock.co.za
www.avlock.co.za

BASH Electrical Contractors cc

Representative: Shane Bennett
Tel: +27 11 494 5480
shane@bashelec.co.za
www.bashelec.co.za

Bolt Corporation

Representative: Paul O'Rourke
Tel: +27 11 955 4480
paul@boltcorp.co.za
www.boltcorp.co.za

Carbo Ferrum (Pty) Ltd

Representative: Wayne Nash
Tel: +27 43 555 0435
wayne@carboferrum.co.za

CIS Engineering

Representative: Christo Marais
Tel: +27 16 422 0082
christo@cisengineering.co.za
www.cisengineering.co.za

Consolidated Power Projects

Representative: Mduduzi Mabaso
Tel: +27 11 805 4281
Mduduzi.Mabaso@concogrp.com
www.conco.co.za

Cullin Africa

Representative: Krish Chetty
Tel: +27 11 848 1400
krish@cullin.co.za
www.cullin.co.za

Down Low Construction & Projects 56 cc

Representative: Calvin Mutize
Tel: +27 84 993 5599
dlc56projects@gmail.com
www.dlcgroup.co.za

EBM

Representative: Roger Martin
Tel: +27 11 2880000
roger@ebm.co.za
www.ebm.co.za

IMAB Power

Representative: Fleming Adamson
Tel: +27 11 814 6248
fleming.adamson@imab.co.za
www.imab.co.za

Jewll Industries (Pty) Ltd

Representative: Wilhelm van der Lingen
Tel: (086) 153-9550
wim@jewll.co.za
www.jewll-flameproof.com

Jyoti Structures Africa

Representative: Bruno DalBianco
Tel: +27 11 586 0100
bdalbiano@jyotiafrica.com
www.jsl.co.in

KEC International Limited

Representative: Sherwin Chetty
Tel: +27 11 018 4000
chettysb@kecprg.com
www.kecprg.com

Larsen & Toubro Limited

Representative: Nick van der Mescht
Tel: +27 11 317 9218
nickv@Intecc.com
www.Intecc.com

McWade Productions

Representative: Marc Hindle
Tel: +27 11 316 2262
march@mcwade.co.za
www.mcwade.co.za

Metpress

Representative: Sagren Moodley
Tel: +27 11 825 5334
sagren@metpress.co.za
www.metpress.co.za

Mkhulu Electro Distribution Projects

Representative: Zola Hlatshwayo
Tel: +27 11 814 4169
systems@mkhulu-edp.co.za

Murray & Roberts Power & Energy

Representative: Gordon Sneddon
Tel: +27 11 372 8585
gordon.sneddon@murrob.com
www.murrob.com

Pfisterer

Representative: Geoff Myburgh
Tel: +27 33 397 5409
geoff.myburgh@pfisterer.co.za
www.pfisterer.co.za

Preformed Line Products

Representative: John Buyers
Tel: +27 33 397 5800
johnb@preformedsa.co.za
www.preformedsa.co.za

SCAW South Africa (Pty) Ltd

Representative: Morgan Pillay
Tel: +27 11 620 0241
mpillay@scaw.co.za

Siyazama Professional Management Services

Representative: Enrica Furlan
Tel: +27 11 814 4169
info@siyazama-training.co.za

Structa Technology

Representative: Hercules Rossouw
Tel: +27 16 362 9100
hercules@structa.co.za
www.structa.co.za

Tel-Screw Products

Representative: Ronald Teleng
Tel: +27 11 917 9710
info@telscrew.co.za
ronnieteleng@me.com
www.telscrew.co.za

TESMEC SA

Representative: Simone Fiorini
Tel: +27 11 397 2386
info@tesmecsa.co.za
www.tesmecsa.co.za

The Aluminium Federation of South Africa

Representative: Mark Krieg
Tel: +27 11 455 5553
markk@afsa.org.za
www.afsa.org.za

Trans-Design

Representative: Robin Page
Tel: +27 83 254 6598
robin@trans-design.co.za

TRM Piling (Pty) Ltd

Representative: Robert Marsden
Tel: +27 74 310 1111
rob@trmpiling.com
www.trm.at

Tricom Structures – A subsidiary of Robor

Representative: Sam van Aswegen
Tel: (011) 971 2013
samv@robor.co.za
www.tricom1.co.za

ASTPM MEMBERS**Augusta Steel (Pty) Ltd**

Representative: Paul Bowman/
Nico Erasmus
Tel: +27 11 914 4628
paulb@augustasteel.co.za
www.augustasteel.co.za

Aveng Trident Steel**Tube Division**

Representative: Peter Curr
Tel: +27 11 389 8752
peter.curr@trident.co.za
www.avengsteel.com

Barnes Tubing Industries (Pty) Ltd

Representative: Andy Smith
Tel: +27 11 923 7340
andy@barnestubing.co.za
www.barnestubing.co.za

Hall Longmore (Pty) Ltd

Representative: Kenny Van Rooyen
Tel: +27 11 874 7300
kenny.vanrooyen@hall-longmore.co.za
www.hall-longmore.co.za

Honingcraft (Pty) Ltd

Representative: Gerhard Hauptfleisch
Tel: +27 11 824 5320
gerhard@honingcraft.co.za
www.honingcraft.co.za

LB Pipes (Pty) Ltd

Representative: Gerald Blackburn
Tel: +27 21 386 1923
gblackburn@groupfivepipe.co.za
www.g5p.co.za

Macsteel Tube and Pipe (Pty) Ltd

Representative: Franco Mordini
Tel: +27 11 897 2100
franco.mordini@macsteel.co.za
www.macsteel.co.za

New Concept Mining

Representative: Charles Hart/
Morne Smuts
Tel: +27 11 494 6000
charlesh@ncm.co.za
www.ncm.co.za

Pro Roof Steel Merchants (Pty) Ltd

Representative: Peter Potgieter
Tel: +27 16 450 5800
peter@prorooft.co.za
www.prorooft.co.za

STEASA MEMBERS**Arcelor Mittal South Africa**

Representative: Hannes Basson
Tel: +27 16 889 3419
hannes.basson@arcelormittal.com
www.arcelormittalsa.com

Augusta Steel (Pty) Ltd

Representative: Paul Bowman/
Nico Erasmus
Tel: +27 11 914 4628
paulb@augustasteel.co.za
www.augustasteel.co.za

Aveng Trident Steel**Tube Division**

Representative: Peter Curr
Tel: +27 11 389 8752
peter.curr@trident.co.za
www.avengsteel.com

Barnes Tubing Industries (Pty) Ltd

Representative: Andy Smith
Tel: +27 11 923 7340
andy@barnestubing.co.za
www.barnestubing.co.za

Garsin Engineering

Representative: Walter Novelli
Tel: +27 11 828 9732
walter@garsin.co.za
www.garsin.co.za

Hall Longmore (Pty) Ltd

Representative: Kenny Van Rooyen
Tel: +27 11 874 7300
kenny.vanrooyen@hall-longmore.co.za
www.hall-longmore.co.za

Honingcraft (Pty) Ltd

Representative: Gerhard Hauptfleisch
Tel: +27 11 824 5320
gerhard@honingcraft.co.za
www.honingcraft.co.za

LB Pipes (Pty) Ltd

Representative: Gerald Blackburn
Tel: +27 21 386 1923
gblackburn@groupfivepipe.co.za
www.g5p.co.za

New Concept Mining

Representative: Charles Hart/
Morne Smuts
Tel: +27 11 494 6000
charlesh@ncm.co.za
www.ncm.co.za

Pro Roof Steel Merchants (Pty) Ltd

Representative: Peter Potgieter
Tel: +27 16 450 5800
peter@prorooft.co.za
www.prorooft.co.za

Ficep is the world leader in developing and supplying automatic, intelligent steel fabrication systems.



EXCALIBUR 12

The Excalibur is the most recent development in the family of travelling column CNC drills where the part remains stationary.



GEMINI

The Gemini is the complete plate processor solution with automatic CNC drilling and thermal cutting of plates.



ENDEVOUR

CNC punching and shearing line for angle material.



PRODUCTIVITY | RELIABILITY | QUALITY

Contact: Mike Lee

Tel: 011 976 8600 • Fax: 011 394 2471

machines@retecon.co.za • www.retecon.co.za

Cape Town: 021 555 2270/1 • Port Elizabeth: 041 453 2720 • Durban: 031 701 8149



RETECON (PTY) LTD
Your Partner in Metal Working



Total Workflow Optimization at Your Fingertips

TEKLA SOFTWARE THE FOR STEEL INDUSTRY

Thanks to Tekla BIM software, more profitable projects are now within your reach. The office, fabrication and site teams all benefit from the detailed, constructible model. The Tekla model provides everything needed to coordinate design, optimize and automate fabrication and plan site operations for an efficient workflow preventing costly errors.

Learn more at: www.tekla.com/steel



TRULY CONSTRUCTIBLE.



Cadex SA
Tekla Structures Partner

info@CadexSA.com www.CadexSA.com