

STEEL REINVENTED:

THE ROLE OF LIGHT STEEL
FRAMES IN SAISC'S MISSION

MiTek's TRIUMPH

in Architectural Revival

MACSTEEL

Supports
Steel Innovation
Across Africa



STEEL
AWARDS
2023

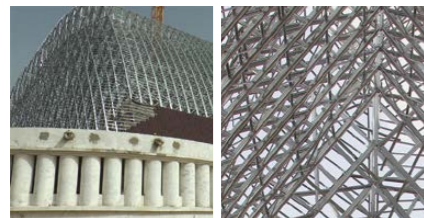
PROJECT PROFILES

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EDITOR'S NOTE

Reintroducing the Steel Construction Journal: A Legacy Reborn

We are excited to announce that, after a trial period with The Link newsletter, we are returning to the name Steel Construction Journal. This decision honors our rich heritage and reinforces our commitment to high-quality content for our members and industry partners.

The Steel Construction Journal has been a cornerstone of our communication, providing in-depth analysis, expert insights, and critical updates relevant to the steel construction industry. By reintroducing this name, we honor its legacy and its significant role in shaping the industry's narrative.

In today's fast-evolving market, staying informed and connected is crucial. The Steel Construction Journal will continue to be a trusted resource, offering timely and relevant content to support industry professionals. This strategic move enhances our brand's identity and reflects our dedication to maintaining the highest standards.

Readers can look forward to comprehensive articles, in-depth case studies, interviews with industry leaders, and reports on the latest trends and technologies. We encourage our members to actively participate by contributing articles and sharing feedback, making the journal a reflection of our collective knowledge and experience.

As we embark on this new chapter, we are confident that the Steel Construction Journal will strengthen our connection with our audience and solidify our role as a leading voice in the industry.

Together, we can make it a dynamic and interactive resource that evolves with the needs of the industry!



MESSAGE FROM SAISC CEO AMANUEL GEBREMESKEL



Dear Reader,

In this issue of our Steel Construction Journal we would like to cover a segment of our industry that punches well above its weight. This is the light steel frame industry. The use of light steel frames has shown tremendous growth over the past two decades. It is primarily used in roof trusses, purlins, light weight floors and wall construction. The SAISC also has several innovations in modular construction that make use of light steel framed assemblies. In the future we hope to promote the mixed use of light steel members with heavier steel to produce efficient and light structures. The potential for growth using such design is immense.

However let me use this opportunity to also mention the Institute's activities this year. And what a busy year this has been.

2023 ended with news that the supply of long products may be disrupted as AMSA negotiated with the government. Thanks to industry mobilization this disruptive event has been averted for now. Our breakfast event at the beginning of 2024 was very well attended and gave our members a chance to engage AMSA directly in order to plan for a future where the adverse effects of supply disruptions can be minimized.

The SAISC golf day was blessed with beautiful weather and gave our members a chance to network while making significant donations to a children's welfare organization. The attendance of member company CEO's along with their staff provided depth to the conversations while building comradery across the industry.

The Institute staff, and our Membership Manager, Reubenett Andrews in particular, deserve recognition for restarting an important industry event that had been stopped for several years.

Very much relevant to this issue is that we are currently in the process of establishing a light steel frame committee that will draft a plan for how to promote the use of light steel framed structures. Important agendas have already been identified in close collaboration with members.

We now have a detailed plan for how to make sure that structural steel that is supplied into the industry is of the highest quality. We are also planning to implement tools that will provide easy access to the steel products that are available in South Africa by redoing our products database. This will give steel industry customers and clients confidence that the South African steel industry is well supplied and compliant to the highest standards. Thank you for all those who have taken the time to engage and support us on this initiative.

Finally, we have already put together a panel of judges for the 2024 Steel Awards and are seeking project nominations. The judging process has in fact already started so please don't forget to submit your projects.

Thank you for the support and reading this issue of our Journal!


Amanuel Gebremeskel
CEO, SAISC

EMPOWERING INDUSTRY VOICES: SAISC REVIVES FABRICATORS AND TECHNICAL COMMITTEES

In a proactive move to tackle pressing challenges, The Southern African Institute of Steel Construction (SAISC) is actively re-establishing its Fabricators and Technical committees. These committees, integral to SAISC's mission of promoting excellence and innovation in structural steel construction, are to play a crucial role in shaping the industry's future.

The Fabricators committee, chaired by Bryan Wilken from B&T Steel, consists of seasoned professionals and experts in steel fabrication. Their primary focus will be on enhancing standards, sharing best practices, and advocating for the interests of fabricators across Southern Africa. Their mandate includes ensuring adherence to quality benchmarks and fostering a collaborative environment where fabricators can exchange insights and overcome common challenges.

Simultaneously, the Technical committee, led by Adam Oldfield from Cousins Steel International, brings together engineers, architects, and construction specialists. This committee will spearhead initiatives aimed at driving technical excellence and innovation within the steel construction sector. Their responsibilities include developing guidelines, conducting research, and providing technical support to ensure projects meet stringent safety and performance standards.

Both committees are dedicated to serving as the voice of SAISC's members, advocating for their interests, and enhancing the collective strength of the steel construction community. By harnessing collective knowledge and experience, SAISC aims to amplify industry voices and drive positive change.

The committees come at a critical time as the industry grapples with technological advancements, regulatory changes, and sustainability demands.



BRYAN WILKEN
B&T STEEL



ADAM OLDFIELD
COUSINS STEEL INTERNATIONAL

Through proactive engagement and strategic initiatives, SAISC seeks to address these challenges head-on and position the steel construction sector for sustained growth and resilience.

SAISC encourages all members to actively participate in the committees' activities, contribute their expertise, and collaborate on innovative solutions. By leveraging the collective wisdom and resources of its diverse membership base, SAISC is committed to driving meaningful progress and advancing the industry's standing both locally and internationally.

Looking forward, the re-establishment of the Fabricators and Technical committees underscores SAISC's unwavering commitment to fostering excellence, promoting sustainability, and shaping the future of structural steel construction in Southern Africa. Together, through innovation, collaboration, and transformation, we can achieve industry-wide success and redefine the role of steel in building a sustainable future.

Join us on this journey of innovation, collaboration, and transformation as we embark on a new chapter for the steel construction industry with SAISC's revitalized committees at the forefront. Together, let's shape the future of structural steel construction and ensure a sustainable and prosperous industry for generations to come.



CHAIRMAN
LIGHT STEEL FRAME COMMITTEE
HERMAN LOMBARD

LIGHT STEEL FRAME: DRIVING INNOVATION AND GROWTH IN STRUCTURAL STEEL

In the ever-evolving field of structural steel construction, innovation and efficiency play crucial roles. Recognizing this, the Southern African Institute of Steel Construction (SAISC) has recently launched the Light Steel Frame (LSF) Committee.

As Chairman of this committee, representing MiTek, and with Paul Gadzikwa serving as Vice Chairman, our aim is to lead advancements in the application of light steel frames across various sectors, including residential and commercial buildings.

The formation of the LSF Committee marks a strategic initiative by SAISC to promote and standardize the use of light steel frames within the construction industry. By bringing together professionals with extensive expertise in engineering, architecture, and construction management, our committee is dedicated to driving innovation and setting high industry standards.

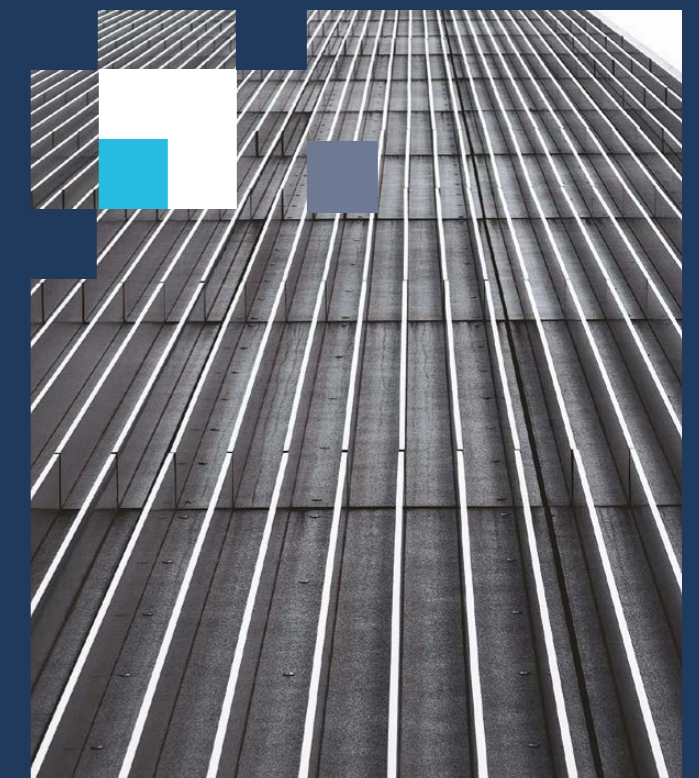
Our primary objectives include developing guidelines and best practices for the design, fabrication, and installation of light steel frames to ensure structural integrity and compliance with industry standards. Through workshops, seminars, and training programs, we are committed to educating industry professionals on the benefits and applications of LSF technologies, enhancing their skills and knowledge.

Additionally, we are initiating research projects to explore new technologies, materials, and construction methods that can optimize the performance and sustainability of light steel frames. This drive towards continuous improvement and innovation is central to our mission.

For LSF members, we offer strategic plans and benefits aimed at supporting their growth and success. This includes providing technical guidance and support, access to resources such as design manuals and case studies, and platforms to showcase their capabilities and projects through SAISC's publications, website listings, and social media.

Looking ahead, as the LSF Committee gains momentum, our vision extends beyond immediate objectives to envisioning a future where light steel frames are widely recognized as integral to modern construction practices in South Africa. By fostering innovation, promoting sustainability, and supporting industry growth, we aim to position our country as a leader in the adoption and advancement of light steel frame technology.

In conclusion, the establishment of the Light Steel Frame Committee by SAISC, under my leadership as Chairman and with Paul Gadzikwa as Vice Chairman, represents a significant stride towards advancing structural steel construction in Southern Africa. With ambitious plans and a dedicated team of industry professionals, our committee is poised to drive transformative change and propel the LSF sector towards a sustainable and prosperous future.



RESTORING NOTRE-DAME DE N'DJAMENA CATHEDRAL: MiTek's TRIUMPH IN ARCHITECTURAL REVIVAL



In the realm of structural restoration, MiTek has carved a remarkable chapter with its restoration of Notre-Dame de N'Djamena Cathedral in Chad. Originally consecrated in 1965, the cathedral bore witness to Chad's Catholic community until its iconic arched roof fell victim to the tumultuous 1980s.

Following initial restoration efforts in 1986, which replaced the original roof with a simpler design due to funding constraints, the dream of restoring the cathedral to its former glory endured. In 2019, MiTek took on the formidable task after previous attempts proved impracticable. MiTek embarked on what many deemed an insurmountable challenge.

The project posed significant engineering challenges, including preserving the cathedral's historical integrity while implementing a new, architecturally harmonious roof. MiTek's innovative use of Ultra-Span technology allowed for the distribution of roof weight across 850 points, thereby minimizing the load on the cathedral's foundations. This approach, complemented by an advanced polyester membrane for both aesthetic enhancement and functional resilience, exemplified MiTek's dedication to structural integrity and visual appeal.



Logistical complexities further underscored the project's magnitude, with 96 tonnes of light gauge steel navigating a route from Spain through Algeria to reach Chad. Yet, MiTek's meticulous project management ensured not only the realization of the restoration but also its completion well under the initial budgetary estimates.

The re-dedication of Notre-Dame de N'Djamena Cathedral in April 2023 marked a pivotal moment for Chad's cultural heritage, attended by religious and civic leaders alike, celebrating years of perseverance and dedication.

MiTek's achievement in winning the 'Light Steel Frame' category at the SAISC Steel Awards 2023 underscores its expertise and commitment to excellence. These awards honour outstanding achievements in steel construction, spotlighting projects that redefine engineering and design boundaries. Chad's recognition in this category further validates MiTek's innovative approach in restoring historical landmarks.

MiTek's success in revitalizing Notre-Dame de N'Djamena Cathedral not only reinstated a place of worship but also demonstrated the transformative influence of collaboration and innovation in safeguarding cultural heritage. As MiTek continues to undertake ambitious projects globally, this achievement stands as a testament to the company's commitment to excellence in engineering and construction.

MiTek's restoration of Notre-Dame de N'Djamena Cathedral signifies more than a structural accomplishment; it is a testament to MiTek's enduring legacy of innovation and craftsmanship in the construction industry.



STEEL AWARDS PAN-AFRICAN
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CATEGORY

WINNER
INNOVATION AND
SUSTAINABILITY CATEGORY

WINNER
BEST GAUTENG PROJECT

Innovation, quality and capability are hallmarks of a Pan-Africa trailblazer, and therefore no surprise that Macsteel, a leading manufacturer, merchandiser and distributor of steel and value-added steel products was first in line to take up the highly sought-after Pan-African Trailblazer sponsorship opportunity at the 2023 South African Institute of Steel Construction (SAISC) Steel Awards.

Trailblazing innovation was also the mainstay of one of the Steel Awards' most exciting category winners. The Azmet Reactors project - which won the Mining and Industrial as well as the Best Export Project categories - comprised a combination of six colossal reactors in the Democratic Republic of Congo (DRC).



MIKE BENFIELD
CEO - MACSTEEL

This distinctive project was recognised for its precision engineering, use of steel and overcoming seemingly insurmountable logistical challenges. It also represents the innovation, tenacity and foresight - which Macsteel's CEO Mike Benfield believes reflects the spirit and essence of what it means to be a pan-African trailblazer.

PURSUING REINVENTION

In addition, the project is closely aligned with Macsteel's operational ethos of 'Pursuing Reinvention' which, in turn, reflects and supports the Pan-African Trailblazer sponsorship concept.

Benfield believes it is important to support organisations such as the SAISC, which provide a platform for members of the steel value chain to drive a common agenda in the sector, while also fostering a 'Team Africa' approach to quality and collaboration across the continent. This is increasingly important, as the African Continental Free Trade Area (AfCFTA) agreement becomes a reality.

"The SAISC Steel Awards also encourage innovation, which is the ethos and mantra we live by. We are role players in a very old field, and so we need to

continuously innovate and improve the way in which we do things. The whole steel sector needs to reinvent itself. We need to make people think about steel in different ways," Benfield points out.

NOT REINVENTING THE WHEEL, REINVENTING STEEL

In the Macsteel ethos, steel touches every aspect of people's lives and indeed society as a whole. The best feature of the Steel Awards, according to Benfield, is that the entire steel supply chain is recognised: not just suppliers, but also the architects, fabricators and contractors involved in projects.

"Furthermore, in pursuing reinvention, Macsteel advocates for the entire steel value chain - including clients - to consider steel in ways which are different, unusual and more cost-effective. We have to begin thinking of steel as more than a material of construction: rather, as a construction innovation, or an architectural feature, emphasising safety and aesthetics. Any construction - from the mining to the residential sector - can showcase the innovative use of steel, elevating and reinforcing its relevance throughout a broad spectrum of sectors," he continues.

"There are several examples in our own operations where we have successfully combined innovation and reinvention. A recent high-profile example is the Pick 'n Pay Distribution Centre East Port project, joint winner of the 2023 Steel Awards Factory and Warehouse category, the Innovation and Sustainability category and recipient of the Best Project Gauteng award.

One of the stand-out features of this project was the need for extremely long roofing sheets, and a unique roof curvature. Both of these factors or challenges were easily overcome through the application of Macsteel's innovative 'sky-forming' method to roll and shape the roofing sheets accurately and cost-effectively. A crowning achievement was that this earned the project a place in the Guinness World Records for the longest continuous roof sheet.

Another innovation example is a product we produce, cellular steel beams, a modern version of the traditional castellated beam, made from a patented double-cut profiling process to achieve greater load carrying capacity and stiffness. Cellular beams offer a far wider range of applications to achieve long clear spans, service integration and shallow floor depths. The product is also aesthetically pleasing - an appealing trait for architects! These are the kinds of solutions we can provide while steel projects are still in the design stage," he explains.



AFRICA 'UNDER CONSTRUCTION'

Another key factor in Macsteel's eagerness to be the Pan-African Trailblazer sponsor is the fact that it focuses on Africa, and the capabilities of the South African steel sector in completing excellent Pan-African steel projects. Benfield emphasises that with a vast amount of infrastructure required, Africa is still 'under construction' - which creates massive opportunities for local steel companies.

"In Africa, the fundamental building blocks are there, but further beneficiation must be targeted for Africa to achieve its fullest potential. Only basic commodities are currently being produced - however beneficiation is now almost a requirement for viable Pan-African economic growth. Therefore, innovation and reinvention are needed more than ever before! Beneficiation will grow the economy and, when this happens, it drives the demand for steel. This then becomes a self-fulfilling cycle of demand.

African economies depend on commodities, and steel has a crucial role to play in driving further beneficiation, downstream of the basic commodity. The use of steel is integral to mining, and the lives of mines can be extended when costs reduce. Through the use of steel and innovating around it, this can also be achieved. The ore body becomes more viable when a mine becomes more efficient. In this way, the entire future of the mine is extended, along with the entire mining community which it supports," Benfield points out.

However, he concedes that in Africa, the greatest challenge is that cost remains a determining factor:

"The prevailing view seems to be that 'tomorrow will be better, but today there is only so much to spend'. As a result, from the South African steel sector perspective, we should be fabricating and supplying innovatively, highlighting the benefits of steel as a material of construction. We need to focus on the pain points our clients will encounter during design and construction - and set about finding creative new ways to use steel to meet those challenges."



STEEL CHALLENGES AND OPPORTUNITIES

As Benfield notes, most African governments tend to be vague and contradictory when it comes to economic policy and the consistent application thereof, which can be a grave impediment to the contribution of steel in growing the economy. On this point, although the evolution of a buoyant steel industry can create jobs, stimulate manufacturing and localisation, a stable local economy is definitely a prerequisite.

There is also a pervasive distrust of the private sector, which often prevents governments working together with companies to constructively address pressing infrastructural and developmental issues.

"Governments need to collaborate with the private sector to build Pan-African economies. The private sector has capital, can secure financing, absorb a certain amount of risk and has the relevant experience and skills to invest in a discernible trajectory. However, when economic growth is predicated on state-owned enterprises (SEOs) which are hamstrung by corruption, progress stalls. Governments need to change the way they think," he advises.

This brings him back to the importance of the Steel Awards, which celebrate the role of steel in the economy and showcase excellence and reinvention.

"When excellence and high standards become the baseline of a project, opportunities abound as the demand for quality grows, and the cost of quality reduces due to economies of scale. This needs to start right at project inception, with the architects, specifiers, designers and fabricators. By setting high standards from the outset, and investing in lowering the total cost of the project, over its entire duration, a far higher value is achieved for its owners and stakeholders," he emphasises.

He furthermore acknowledges that local steel sector companies cannot compete with their Asian counterparts when it comes to the price of steel. This requires Africa to fix its internal issues to become more competitive and build an export footprint. Here, the 'Team Africa' concept will play an important role.

"By working together, we can pool our skills and resources, build relationships and improve competitiveness. South African-based steel value chain participants must also remember that their greatest asset is that they are resilient, resourceful - and that they know and understand Africa.

As Macsteel, we always pursue reinvention. It is our core ethos and value proposition, and we will wholeheartedly support any project which reflects this. Given this, we view our Steel Awards Pan-African Trailblazer sponsorship as more than just an event sponsorship - but as the embodiment of our support for South African steel sector innovation and excellence across the Africa," Benfield concludes.

Les Steel Awards sponsorisés par le pionnier pan-africain Macsteel soutiennent l'innovation et la réinvention de l'acier à travers l'Afrique

L'innovation, la qualité et la capacité sont les marques de fabrique d'un pionnier pan-africain, il n'est donc pas surprenant que Macsteel, un fabricant, un marchand et un distributeur de premier plan d'acier et de produits en acier à valeur ajoutée, ait été le premier à saisir l'opportunité très prisée du parrainage du Pionnier Pan-Africain aux Steel Awards 2023 de l'Institut Sud-Africain de la Construction en Acier (SAISC).

L'innovation pionnière était également la pierre angulaire de l'un des lauréats les plus excitants des Steel Awards. Le projet Azmet Reactors - qui a remporté les catégories Mining and Industrial ainsi que Best Export Project - comprenait une combinaison de six réacteurs colossaux en République démocratique du Congo (RDC).

Ce projet distinctif a été reconnu pour son ingénierie de précision, son utilisation de l'acier et sa capacité à surmonter des défis logistiques apparemment insurmontables. Il représente également l'innovation, la ténacité et la prévoyance - que le PDG de Macsteel, Mike Benfield, estime refléter l'esprit et l'essence de ce que signifie être un pionnier pan-africain.

POURSUIVANT LA RÉINVENTION

De plus, le projet est étroitement aligné sur l'éthique opérationnelle de Macsteel, qui consiste à 'Poursuivre la réinvention', ce qui reflète et soutient à son tour le concept de parrainage du Pionnier Pan-Africain.

Benfield estime qu'il est important de soutenir des organisations telles que le SAISC, qui offrent une plateforme aux membres de la chaîne de valeur de l'acier pour promouvoir un agenda commun dans le secteur, tout en favorisant une approche de 'Team Africa' en matière de qualité et de collaboration à travers le continent. Cela devient de plus en plus important alors que l'accord de la

Zone de Libre-Échange Continentale Africaine (ZLECA) devient une réalité.

«Les Steel Awards du SAISC encouragent également l'innovation, qui est l'éthique et le mantra que nous vivons. Nous sommes des acteurs dans un domaine très ancien, et donc nous devons continuellement innover et améliorer la manière dont nous faisons les choses. L'ensemble du secteur de l'acier doit se réinventer. Nous devons amener les gens à réfléchir à l'acier de manière différente», souligne Benfield.

continuously innovate and improve the way in which we do things. The whole steel sector needs to reinvent itself. We need to make people think about steel in different ways», Benfield points out.

PAS DE RÉINVENTION DE LA ROUE, RÉINVENTION DE L'ACIER

Dans l'éthique de Macsteel, l'acier touche tous les aspects de la vie des gens et de la société dans son ensemble. Le meilleur aspect des Steel Awards, selon Benfield, est que l'ensemble de la chaîne d'approvisionnement de l'acier est reconnu : non seulement les fournisseurs, mais aussi les architectes, les fabricants et les entrepreneurs impliqués dans les projets.

«De plus, en poursuivant la réinvention, Macsteel plaide pour l'ensemble de la chaîne de valeur de l'acier - y compris les clients - pour considérer l'acier de manière différente, inhabituelle et plus économique. Nous devons commencer à penser à l'acier comme plus qu'un matériau de construction: plutôt comme une innovation de construction, ou une caractéristique architecturale, mettant l'accent sur la sécurité et l'esthétique. Toute construction - de l'exploitation minière au secteur résidentiel - peut mettre en valeur l'utilisation innovante de l'acier, en élevant et en renforçant sa pertinence dans un large éventail de secteurs», poursuit-il.

«Il existe plusieurs exemples dans nos propres opérations où nous avons réussi à combiner l'innovation et la réinvention. Un exemple récent de haut niveau est le projet du Centre de Distribution Pick 'n Pay East Port, co-lauréat de la catégorie Factory and

Warehouse des Steel Awards 2023, la catégorie Innovation and Sustainability et récipiendaire du prix du Meilleur Projet Gauteng.

L'un des points forts de ce projet était la nécessité de feuilles de toiture extrêmement longues et une courbure de toit unique. Ces deux facteurs ou défis ont été facilement surmontés grâce à l'application de la méthode innovante de Macsteel pour rouler et façonner les feuilles de toiture avec précision et de manière rentable. Un exploit remarquable était que ce projet a obtenu une place dans le Livre Guinness des Records pour la feuille de toit en continu la plus longue.

Un autre exemple d'innovation est un produit que nous fabriquons, les poutres en acier cellulaires, une version moderne de la poutre caissonnée traditionnelle, fabriquée à partir d'un processus de profilage double breveté pour obtenir une plus grande capacité de charge et de rigidité. Les poutres cellulaires offrent une gamme beaucoup plus large d'applications pour réaliser des portées claires longues, une intégration de services et des profondeurs de plancher peu profondes. Le produit est également esthétiquement plaisant - un trait attrayant pour les architectes ! Ce sont les types de solutions que nous pouvons fournir alors que les projets en acier en sont encore à la phase de conception», explique-t-il.

L'AFRIQUE 'EN CONSTRUCTION'

Un autre facteur clé dans l'enthousiasme de Macsteel à être le parrain du Pionnier Pan-Africain est le fait qu'il se concentre sur l'Afrique et sur les capacités du secteur sidérurgique sud-africain pour réaliser d'excellents projets sidérurgiques pan-africains. Benfield souligne qu'avec un vaste besoin en infrastructures, l'Afrique est toujours 'en construction', ce qui crée d'énormes opportunités pour les entreprises locales de l'acier.

«En Afrique, les fondements sont là, mais une plus grande valorisation doit être ciblée pour que l'Afrique atteigne son plein potentiel. Seuls les produits de base sont actuellement produits - cependant, la valorisation est désormais presque.



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إعلان صحفي:

الراعي الرئيسي لحفل جوائز الصلب Macsteel شركة البان-أفريقي يدعم الابتكار وإعادة الاختراع في مجال الصلب عبر إفريقيا

تاريخ الصدور: نوفمبر [الإكس إكس] ٢٠٢٣

الابتكار والجودة والقدرة هي سمات رائعة لرائد بان-أفريقي، وليس من مفاجأة وهي الشركة الرائدة في تصنيع وتسويق وتوزيع الصلب، Macsteel. أن تكون شركة ومنتجات الصلب ذات القيمة المضافة، هي الأولى في قائمة الشركات التي استفادت من الفرصة المرغوبة بشدة لرعاية بان-أفريقي الرائد في حفل جوائز الصلب لعام (SAISC) ٢٠٢٣ الذي تنظمه معهد البناء الصلب الجنوبي الأفريقي.

كان الابتكار الرائد هو أيضًا العنصر الرئيسي في إحدى فئات جوائز الصلب الأكثر إثارة. مشروع أزمت ريكاتورس - الذي فاز بجائزة التعدين والصناعة وجائزة أفضل مشروع تصدير - يتألف من مزيج من ستة مفاعلات هائلة في جمهورية (RDC) الكونغو الديمقراطية.

تم التعرف على هذا المشروع المميز بتصميمه الدقيق واستخدامه للصلب وتجاوز التحديات اللوجستية التي تبدو غير قابلة للتجاوز. يمثل أيضًا الابتكار والإصرار مايك بنفيلد، أنها Macsteel والرؤية - والتي يعتقد الرئيس التنفيذي لشركة تعكس روح وجوهر ما يعنيه أن تكون رائد بان-أفريقي.

المتابعة لإعادة الاختراع

بالإضافة إلى ذلك، يتماشى المشروع بشكل وثيق مع الأخلاقيات التشغيلية لشركة لـ 'متابعة إعادة الاختراع»، والتي بدورها تعكس وتدعم مفهوم رعاية Macsteel بان-أفريقي الرائد.

التي توفر منصة لأعضاء SAISC، بنفيلد يعتقد أنه من المهم دعم المؤسسات مثل سلسلة قيمة الصلب لدفع جدول أعمال مشترك في القطاع، مع تعزيز نهج 'فريق أفريقي'، نحو الجودة والتعاون عبر القارة. هذا مهم بشكل متزايد، حيث تصبح واقعيًا (AfCFTA) اتفاقية منطقة التجارة الحرة الإفريقية القارية.

تشجع أيضًا على الابتكار، وهو الأسلوب الذي نعيش SAISC جوائز الصلب لدى» به. نحن لاعبون في مجال قديم جدًا، ولذلك يجب أن نبتكر ونحسن بشكل مستمر الطريقة التي نقوم بها بالأمر. يجب على قطاع الصلب ككل أن يعيد اختراع نفسه. يجب أن نجعل الناس يفكرون في الصلب بطرق مختلفة»، يشير بنفيلد.

عدم إعادة اختراع العجلة، بل إعادة اختراع الصلب

يمس الصلب كل جانب من جوانب حياة الأشخاص، Macsteel في أخلاقيات والمجتمع ككل. أفضل ميزة في جوائز الصلب، وفقًا لبنفيلد، هي أنها تعترف بسلسلة القيمة الكاملة للصلب: ليس فقط الموردين، ولكن أيضًا المهندسين المعماريين ومصنعي الصلب والمقاولين المشاركين في المشاريع.

للسلسلة الكاملة Macsteel علاوة على ذلك، في سعيها لإعادة الاختراع، تدعو»





Patrocinador Pan-Africano de Destaque nos Prêmios do Aço, a Macsteel, Apoia a Inovação e a Recriação do Aço em Toda a África

Inovação, qualidade e capacidade são marcas de um pioneiro no Pan-Africa, e, portanto, não é surpresa que a Macsteel, uma fabricante líder, comerciante e distribuidora de aço e produtos de aço de valor agregado, tenha sido a primeira a aproveitar a altamente cobiçada oportunidade de patrocínio Pan-Africano de Destaque no 2023 South African Institute of Steel Construction (SAISC) Steel Awards.

A inovação pioneira também foi a principal característica de um dos vencedores mais emocionantes das categorias do Steel Awards. O projeto dos Reatores Azmet - que venceu nas categorias de Mineração e Industrial, bem como de Melhor Projeto de Exportação - consistiu em uma combinação de seis reatores colossais na República Democrática do Congo (RDC).

Este projeto distinto foi reconhecido por sua engenharia de precisão, uso de aço e superação de desafios logísticos aparentemente insuperáveis. Ele também representa a inovação, a tenacidade e a visão - que Mike Benfield, CEO da Macsteel, acredita refletir o espírito e a essência do que significa ser um pioneiro pan-africano.

EM BUSCA DA RECRIAÇÃO

Além disso, o projeto está intimamente alinhado com a ética operacional da Macsteel de 'Em Busca da Recriação', que, por sua vez, reflete e apoia o conceito de patrocínio Pan-Africano de Destaque.

Benfield acredita que é importante apoiar organizações como a SAISC, que fornecem uma plataforma para membros da cadeia de valor do aço impulsionarem uma agenda comum no setor, ao mesmo tempo que promovem uma abordagem 'Equipe África' para qualidade e colaboração em todo o continente. Isso é cada vez mais importante, à medida que o acordo da Área de Livre Comércio Continental Africana (AfCFTA) se torna realidade.

"Os Prêmios do Aço da SAISC também incentivam a inovação, que é a ética e o lema pelos quais vivemos. Somos atores em um campo muito antigo, e, portanto, precisamos inovar continuamente e melhorar a maneira como fazemos as coisas. Todo o setor do aço precisa se reinventar. Precisamos fazer as pessoas pensarem no aço de maneiras diferentes", aponta Benfield.

NÃO REINVENTANDO A RODA, MAS REINVENTANDO O AÇO

Na ética da Macsteel, o aço toca todos os aspectos da vida das pessoas e, de facto, da sociedade como um todo. A melhor característica dos Prêmios do Aço, de

acordo com Benfield, é que toda a cadeia de suprimentos de aço é reconhecida: não apenas os fornecedores, mas também os arquitetos, fabricantes e empreiteiros envolvidos em projetos.

"Além disso, ao buscar a recriação, a Macsteel defende que toda a cadeia de valor do aço - incluindo clientes - considere o aço de maneiras diferentes, incomuns e mais econômicas. Precisamos começar a pensar no aço como mais do que um material de construção: em vez disso, como uma inovação na construção ou um elemento arquitetônico, enfatizando segurança e estética. Qualquer construção - desde a mineração até o setor residencial - pode mostrar o uso inovador do aço, elevando e reforçando sua relevância em uma ampla gama de setores", continua ele.

"Há vários exemplos em nossas próprias operações em que combinamos com sucesso inovação e recriação. Um exemplo recente de alto perfil é o projeto do Centro de Distribuição Pick 'n Pay East Port, vencedor conjunto da categoria Fábrica e Armazém dos Prêmios do Aço de 2023, da categoria Inovação e Sustentabilidade e do prêmio de Melhor Projeto de Gauteng.

Um dos destaques deste projecto foi a necessidade de chapas extremamente longas e de curvatura única no telhado.

Ambos os factores e desafios foram facilmente superados com a aplicação do método inovador "sky-forming" da Macsteel para a solução.

STEEL AWARDS 2023



EXCELLENCE IN STEEL CONSTRUCTION



SETTING NEW STANDARDS: CONCO ESWATINI'S STEEL AWARDS 2023 PROJECT



PROJECT OVERVIEW

At the Steel Awards 2023, Conco Eswatini, in collaboration with esteemed partners including Building Design Group and Stefanutti Stocks Construction, showcased a groundbreaking project that exemplifies innovation and excellence in steel construction.

CLIENT AND TEAM

Conco Eswatini led the project as the client, supported by Building Design Group as the architect and Zutari as the structural engineer. Stefanutti Stocks Construction managed the project as the main contractor, ensuring seamless execution and adherence to the highest standards.

PROJECT TEAM

Nominator – Macsteel | Client/developer – Conco Eswatini | Architect – Building Design Group
Structural Engineer – Zutari | Main Contractor – Stefanutti Stocks Construction | Steelwork Contractor/Erector
– IFA Engineering | Steel Merchant – Macsteel | Cladding Roll former – Safintra SA

STRUCTURAL STEELWORK

Completed in March 2023, the project utilized 293 tons of structural steel, featuring a combination of Universal Beams, Columns, and specialized sections such as Lipped Channels and Plates. This robust framework, engineered by Zutari and meticulously detailed by IFA Engineering, demonstrates both strength and precision in design and execution.

METAL CLADDING AND ROOFING

The cladding phase, also completed in March 2023, employed 100.4 tons of materials, including Colorplus® AZ 150 and Kingspan panels. Safintra SA supplied the essential cladding profiles, ensuring durability and aesthetic appeal across 9987m² of coverage.



PROJECT EXECUTION

IFA Engineering played a pivotal role as the steelwork contractor and erector, contributing expertise in both fabrication and installation phases. Their adherence to rigorous standards, including EN 1990: 2002 SANS 10400, underscored the project's structural integrity and safety.

WHAT WE'RE PROUD OF

This project stands as a testament to collaborative excellence and innovation in the construction industry. It embodies the principles of Ubuntuism, fostering teamwork and community impact throughout its execution. From the initial architectural renderings to the final installation, every aspect of the project was meticulously planned and executed, raising the bar for construction standards in eSwatini.

In conclusion, Conco Eswatini's project at the Steel Awards 2023 not only highlights technical prowess but also celebrates a commitment to sustainable development and lasting impact on the industrial landscape. It sets a new benchmark for future projects, inspiring advancements in steel construction and community development.

DUNLOP WESTVILLE AND THE ADVANCEMENT OF LIGHTWEIGHT STEEL STRUCTURES



PROJECT TEAM

Nominator – Browndeck Roofing & Lighting Lightweight Steel Structures | Client/Developer – Sumitomo Rubber SA | Architect – JDA Architects | Structural Engineer – Martin & Associates
Main Contractor – Steel Merchant/Cladding roll former – Safintra SA

The South African steel industry continues to push boundaries and set benchmarks with each passing year, as evidenced by the remarkable projects showcased at the Steel Awards 2023. Among the standout entries was the Dunlop Westville project, located at 123 Jan Hofmeyer Road, which exemplified innovation and structural prowess in the use of lightweight steel structures.

THE PROJECT BRIEF

The architects and clients behind Dunlop Westville aimed to achieve a modern, efficient structure that seamlessly integrated with its surroundings. The initial brief emphasized the need for a lightweight yet durable roofing system and structural framework that could meet stringent performance requirements.

ARCHITECTS MODELS / RENDERING

Visual representations of the project's design highlighted its sleek lines and functional spaces, blending aesthetic appeal with practicality. Multiple renderings showcased different elevations and perspectives, underscoring the project's architectural ingenuity.

THE PROJECT OVERVIEW

Structural steelwork formed the backbone of Dunlop Westville, with a total tonnage of 11.5 tons. Browndeck Roofing & Lightweight Steel Structures played a pivotal role in the project, utilizing 90mm panel profiles and 68 truss profiles to achieve structural integrity and architectural finesse.



STRUCTURAL FRAMING

Martin & Associates, the structural engineers, meticulously detailed the framing system through various images, elucidating the critical connections and load-bearing components that ensured the building's stability and safety.

METAL CLADDING AND ROOFING

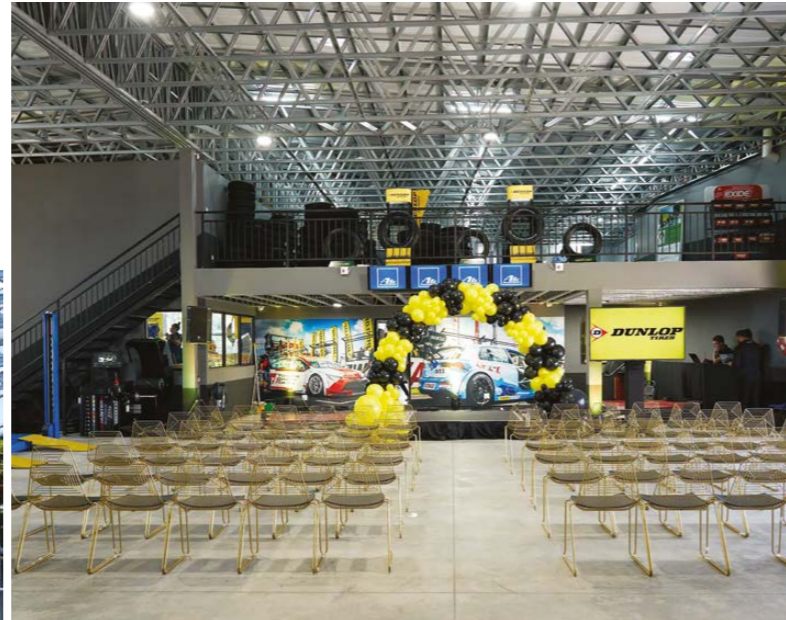
The cladding phase, completed with 0.53 AZ 200 IBR profiles covering 180m², showcased the synergy between aesthetics and functionality. This choice not only enhanced the building's visual appeal but also contributed to its energy efficiency and weather resilience.

FABRICATION AND CONSTRUCTION

Detailed insights into fabrication processes provided by Browndeck highlighted their precision and expertise in translating architectural designs into tangible steel structures. The construction phase, managed by skilled contractors, illustrated the seamless installation of complex steel elements under stringent timelines.

CHALLENGES AND SOLUTIONS

Navigating challenges such as logistical constraints and adherence to design specifications underscored the project team's resilience. Innovative solutions ensured that construction milestones were met without compromising on quality or safety.



THE BENEFITS OF STEEL IN THIS APPLICATION

Steel's versatility and strength were pivotal in realizing the project's architectural vision. From framing to cladding, steel offered durability, sustainability, and design flexibility, essential for modern construction demands.

WHAT WE'RE PROUD OF

The Dunlop Westville project stands as a testament to collaborative effort and innovative thinking within the steel industry. It not only met but exceeded client expectations, setting a benchmark for future lightweight steel-framed structures.

As we reflect on Steel Awards 2023, projects like Dunlop Westville remind us of the industry's ongoing commitment to excellence and innovation. Each entry not only showcases technical prowess but also contributes to advancing the art and science of steel construction in South Africa and beyond.



REVITALIZING OLIVEDALE CORNER: A STEEL AWARDS 2023 SHOWCASE



PROJECT TEAM

Client – Olivedale Corner | Architect – Skyscape Architects | Structural Framing – Nanoscope Sundry Metal
Steel Detailer - Axiom Consulting | Main Contractor – J.C Van Der Linde & Venter Projects

PROJECT OVERVIEW

At the prestigious Steel Awards 2023, Olivedale Corner, in collaboration with Skyscape Architects, Axiom Consulting Engineers, and Nanoscope Sundry Steel, unveiled an innovative refurbishment project that has transformed the local landscape.

CLIENT AND TEAM

Skyscape Architects led the nomination, with Olivedale Corner as the client and developer. Axiom Consulting Engineers provided structural engineering expertise, while Nanoscope Sundry Steel undertook the crucial roles of main contractor and steel erector. ArcelorMittal SA contributed as the cladding manufacturer, adding specialized expertise to the project.

THE PROJECT BRIEF

Olivedale Corner faced challenges of an outdated appearance, mixed tenant visibility, and inadequate security, leading to declining patronage. The refurbishment strategy focused on enhancing visibility, modernizing aesthetics, and improving overall functionality while maintaining operational integrity.

STRUCTURAL STEELWORK

Completed by July 2022, the project utilized robust structural elements including 203x133x35 I Beams and 150x75x20 CFLC profiles. Axiom Consulting Engineers ensured structural integrity, collaborating closely with Nanoscope Sundry Steel, who managed fabrication and erection with precision.

METAL CLADDING AND ROOFING

The innovative Chromadek steel plate cladding, completed in tandem with structural work, covered 600m² using custom folded plates. This distinctive cladding not only enhanced aesthetics but

also provided a functional upgrade, transforming the building's exterior into a dynamic and visually appealing feature of Olivedale.

STRUCTURAL FRAMING AND CHALLENGES

Digital 3D modelling played a pivotal role in visualizing and executing the "dancing" undulating screen concept. Using tools like Sketchup, the team meticulously crafted the slatted screen to interact dynamically with natural light, creating a kinetic visual effect admired by patrons.

BENEFITS OF STEEL IN APPLICATION

The Chromadek vertical slats not only rejuvenated Olivedale Corner's façade but also provided structural reinforcement and weather protection, previously lacking with the old terracotta tile roof. The "dancing slats" concept, as described by locals, adds a modern, dynamic flair to the building while maintaining functionality, including seamlessly covering existing cellular masts without compromise.

WHAT WE'RE PROUD OF

The project stands as a testament to innovative design and effective collaboration within the steel industry. It not only revitalizes Olivedale Corner but also sets a new standard in architectural transformation and urban renewal. The team's commitment to sustainability, aesthetic enhancement, and community impact shines through in every aspect of the refurbishment.

In conclusion, Olivedale Corner's recognition at the Steel Awards 2023 underscores its role as a beacon of architectural innovation and urban revitalization. The project exemplifies how strategic use of steel and innovative design can breathe new life into existing structures, benefitting both businesses and communities alike.

QUALITY AND TRAINING COULD SAFEGUARD THE FUTURE OF THE STEEL SECTOR

There is no time like the present to address the ongoing concerns of quality and training in the steel value chain, according to **Amanuel Gebremeskel, CEO of The Southern African Institute of Steel Construction (SAISC).**

Gebremeskel explains: “We especially need to safeguard the future of the downstream steel industry, which employs over half a million people. It is well known that the steel sector has experienced quality and training issues for several years. However, this has now become even more relevant.”

STEELING FOR CHANGE

Gebremeskel notes that the greatest risk remains the pervading uncertainty: “For example, in light of the well-publicised prospective closure of the ArcelorMittal (AMSA) long products division, this remaining operational - but without firm lead-times - could introduce another challenge. Projects are planned months, if not years, in advance and any fabricator trying to ensure procurement of materials requires supplier commitment. Decisions need to be made now.”

He believes steel could therefore be sourced from “anywhere and everywhere” - with importers searching for the best prices and most viable logistics. This, inevitably, brings up the issue of quality.



“For the foreseeable future, quality is going to be a significant issue in the steel sector. This dovetails with the question of human capital. With the loss of skills to retirement and immigration, are there enough people who can evaluate whether or not the steel is of good quality?”

Fabricators will need to implement stricter quality control of steel. At present, this process is based on trust. However, with the diversification of steel sourcing, this process must be rejigged. Quality training, supported by a stringent quality regime, is required.



The programme will involve the training of staff in all aspects of quality at companies that apply to quality for the SAISC quality certification stamp. This will be followed up by the Institute’s steel experts who will monitor product and project quality before a company can qualify for certification.

STAMP OF QUALITY

As the future of South Africa’s entire steel sector could hinge on quality control, Gebremeskel is calling for an ‘all hands on deck’ approach, with stakeholders integrating quality into their business strategies, working closely with the SAISC on training and promoting the use of the SAISC quality certification stamp.

“Our ultimate vision is for this to be recognised as the highest voluntary quality certification stamp on the continent: setting the standard in Africa from a quality perspective - while also ensuring the sustainability of the critical downstream steel sector,” he concludes.



MAKING ITS QUALITY MARK

With ever-greater pressure on steel merchants, mills and mini-mills to provide quality and adhere to standards, the SAISC’s proposed quality certification programme and quality mark will become more important than ever.

Drawing from well-established international best practices, this first-of-a-kind quality certification oversight programme will refine, monitor and uphold quality standards across the steel supply chain - and will be signified by its own steel quality certification brand mark or stamp.

This is on track for roll-out within the next 24 months, Gebremeskel confirms.

There is currently no independent regional assessment body to which the industry can turn for the measurement and enforcement of quality controls even on a professional, voluntary / self-regulated certification basis.

POOR QUALITY COMES AT A HIGH PRICE

Gebremeskel adds that the entire value chain needs to be trained on quality because - as per the lesson of the national power utility failing to adhere to technical standards during the construction of certain major power plants - due to the use of poor quality products, fabrication and erection can result in costs running into billions of rands.

STEEL AWARDS ²⁰²⁴

SPONSORS



STEEL AWARDS 2024

THE SAISC CELEBRATES EXCELLENCE IN STEEL CONSTRUCTION

A LEGACY OF EXCELLENCE

The SAISC Steel Awards has become one of the most prestigious events in the built environment. Over the past 40 years, this event has grown from a modest gathering into a grand exhibition of ingenuity, technical expertise, and awe-inspiring steel structures. In our industry, the diligent efforts of engineers, contractors, and project teams are crucial to achieving success.

The SAISC Steel Awards has honoured numerous outstanding projects that push the boundaries of steel construction. These awards highlight the ingenuity, creativity, and technical prowess of professionals who contribute to the industry's growth and success. From iconic skyscrapers to intricate bridges and innovative industrial structures, the Steel Awards recognize projects that set new standards for quality and excellence.

We are proud to announce that nominations for the Steel Awards 2024 are officially closed. We have received remarkable project entries, covering all aspects of steel use in construction. Judging started on the 26th of July, and this year's evaluation promises to be challenging due to the high quality of nominations received.

STEEL AWARDS 2024: A NIGHT TO REMEMBER

This year, the Steel Awards 2024 promises to be an unforgettable event. Attendees are encouraged to embrace the theme and dress to impress, making the evening a glamorous celebration of the industry's achievements.

Guests can look forward to an evening of fine dining, networking, and entertainment, all while celebrating the very best in steel construction.

STEEL AWARDS 2024 SPONSORS

We are thrilled to announce our sponsors for the Steel Awards 2024:

- UNICA Iron & Steel – Main Sponsor
- Bolt & Engineering – Pan African Trail Blazer Sponsor
- BSI Steel – Factory and Warehouse Category Sponsor
- STEASA – Tubular Category Sponsor
- MACSTEEL – Metal Cladding Sponsor
- NJR Steel – Light Steel Frame Buildings Category Sponsor
- ArcelorMittal – Photobooth Sponsor

Your commitment to excellence and support will help us create an unforgettable evening that highlights the ingenuity and technical prowess of our industry professionals. It enables us to celebrate the outstanding achievements and innovations within the steel construction industry.

WHEN AND WHERE?



DATE: THURSDAY, 3rd OCTOBER 2024

TIME: 18.30 FOR 19.00 TO 22:00

VENUE: EMPERORS PALACE

DRESS CODE /THEME:

PEAKY BLINDERS

FORMAL - 1920'S BIRMINGHAM

for more information
contact (011) 726 6111 or email
info@saisc.co.za

BECOME A SPONSOR TODAY!

Sponsorship provides an excellent opportunity to showcase your brand to industry leaders and stakeholders. Various sponsorship packages are available, and we would be delighted to discuss how your organization can be part of this prestigious event.

For sponsorship inquiries, please contact Elrika Boshoff at (011) 726 6111 or email elrika@saisc.co.za.

Join us in celebrating the best in steel—book your table or seat today!

To secure your place at this prestigious event, please contact the SAISC at (011) 726 6111 or email us at info@saisc.co.za.

We look forward to seeing you at **Emperors Palace on October 3rd, 2024**, for a night of celebration, recognition, and inspiration. The SAISC Steel Awards 2024 promises to be an extraordinary event that continues the tradition of celebrating excellence in steel construction.

INSPIRING THE FUTURE STUDENTS VISIT MACSTEEL'S TUBE-MAKING FACILITY

In a remarkable initiative to bridge education and industry, Macsteel welcomed a group of students to their tube-making facility. This visit aimed to provide these future engineers with a firsthand look at the sophisticated tube-making processes at one of the industry's leading facilities.



During the visit, students were introduced to the advanced machinery and cutting-edge techniques used in producing high-quality steel tubes. The immersive experience allowed them to observe the entire manufacturing process, from raw material handling to the final product. Detailed demonstrations and insightful explanations from Macsteel's experts, Franco Mordini and Axel Kayoka, left the students inspired and motivated.

This visit underscores the commitment of both SAISC and Macsteel to nurturing the next generation of industry leaders by offering practical learning experiences. Together, we are shaping a promising future for the steel industry.



MEET OUR ALLSTAR TEAM

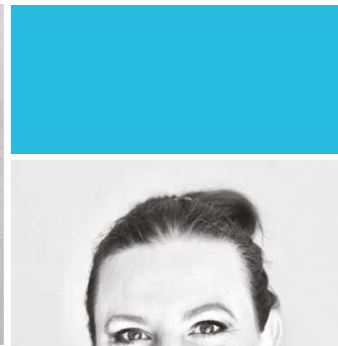
At the Southern African Institute of Steel Construction (SAISC), our dedicated team embodying our commitment to excellence, innovation, and collaboration within the steel industry. Get acquainted with the passionate individuals who are driving positive impact. We are here to serve, support, and lead the way towards positive change.



AMANUEL GEBREMESKEL
SAISC (CEO)



DENISE SHERMAN
MARKETING AND
MANAGEMENT CONSULTANT



ELRIKA BOSCHOFF
FINANCIAL AND PROCUMENT
MANAGER



REUBENETT ANDREWS
MEMBERSHIP SERVICES
MANAGER



DENNIS WHITE
DIRECTOR SAMCRA

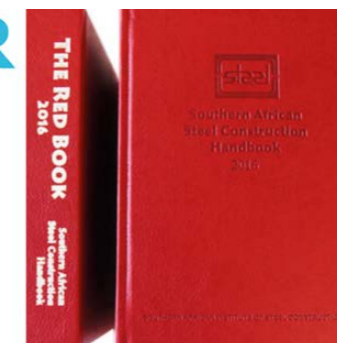


NICOLETTE SKJOLDHAMMER
CHAIRPERSON, SAISC BOARD



WAYDENE VAN STAVEL
SHARED PROJECT
ADMINISTRATOR

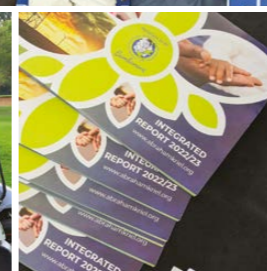
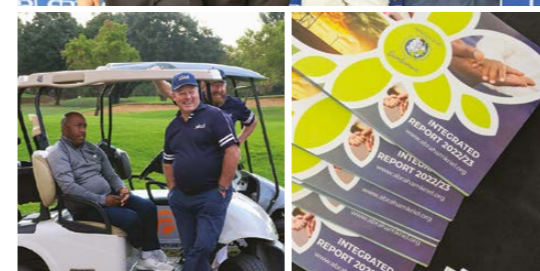
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visit www.saisc.co.za



SAISC GOLF DAY 2024: UNITING THE STEEL CONSTRUCTION INDUSTRY



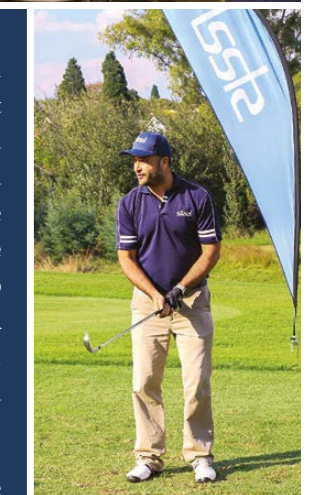
The South African Institute of Steel Construction (SAISC) recently hosted its first Golf Day since the Covid-19 pandemic, symbolising a triumphant return to in-person events. The event garnered great enthusiasm and support from members and sponsors, with 32 fourballs competing in a spirited competition. Beyond being a celebration of comradeship and sportsmanship, the Golf Day served as a testament to the industry's resilience and unity.



Gratitude is extended to Unica, the main sponsor, whose unwavering support was instrumental in making the event a resounding success. Their commitment and generous contribution set an inspiring tone for the memorable day. Special thanks are also extended to the other sponsors who played vital roles in its success, including NJR Steel, Industrial Painting Solutions, Hexagon, Stewarts & Lloyds, SPC Financial Services, and Mentis Africa.

The highlight of the Golf Day was the Beat the Pro competition, which witnessed enthusiastic participation from all attendees. Through generous donations from participants, a significant amount of money was raised and donated to the Abraham Kriel Children's Home. This act of charity showcases the commitment of SAISC members, both within and outside the industry, in giving back to society.

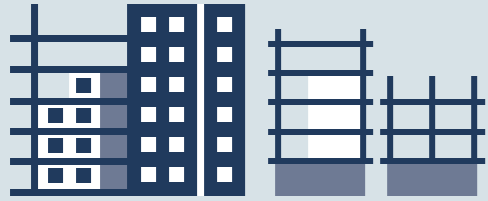
The SAISC also expresses gratitude to all players and guests who participated in the charity auction, as their contributions made a considerable impact. Their spirit of generosity is deeply appreciated.



SAISC GOLF DAY SPONSORS

-  UNICA
IRON & STEEL
-  njr steel
first for steel
-  IPS
Industrial Painting Services
-  HEXAGON
-  STEWARTS & LLOYDS
-  SPC Financial Services
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AFRICA

BECOME A MEMBER



By becoming a member of the SAISC, you join a community of industry professionals, gain access to valuable resources, and enjoy a range of benefits that contribute to your professional growth, recognition, and success in the steel construction industry. While our members come from different disciplines, company sizes and streams within the industry, they all have the desire to see the industry grow and thrive.

BENEFITS COMPANY MEMBERSHIP

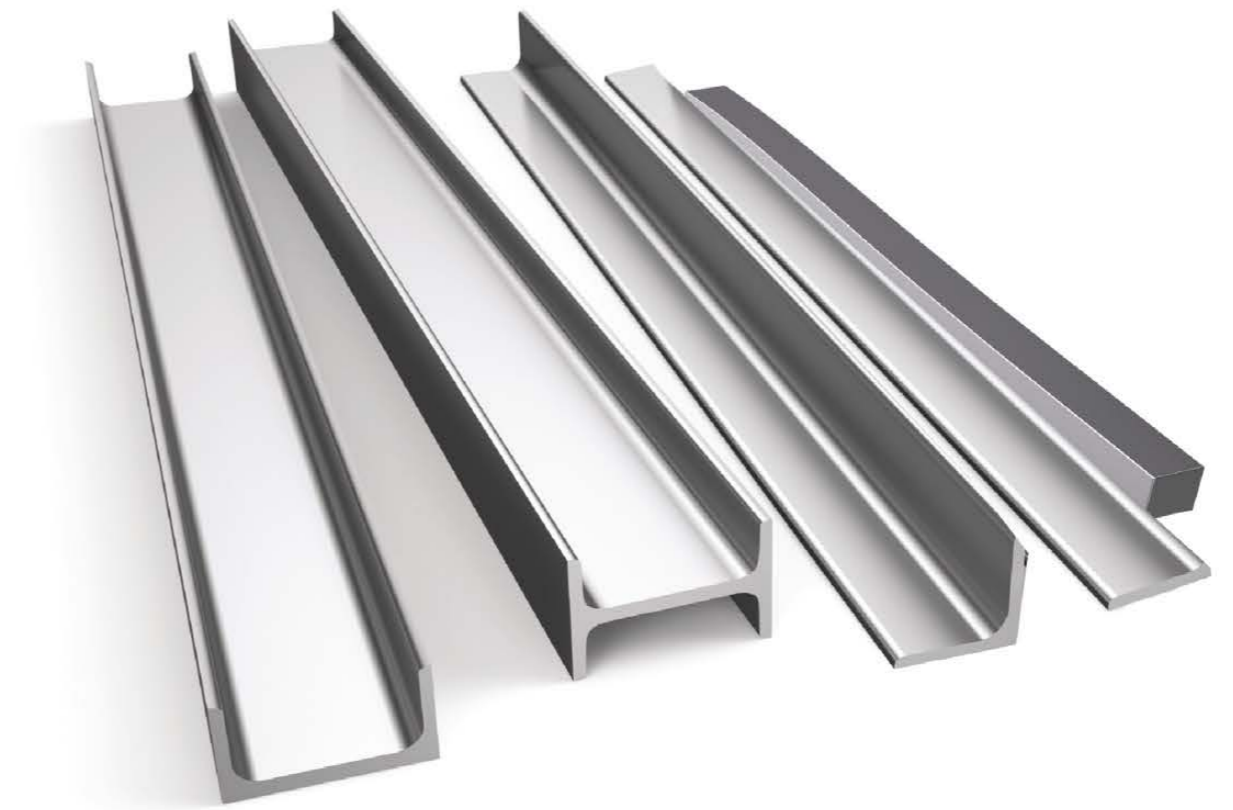
- Mark of Quality and Professionalism
- Access member-only content
- Receive technical advice
- Up to date with code and specification changes
- Receive contractual and business advice
- Finding support when you feel you are standing alone
- Networking with clients, the professions as well as competitors
- Discuss industry issues and let your view be heard
- Attending courses aimed at steel construction
- Acknowledgement of the member company's involvement in projects profiled on the SAISC Website
- Benefits enjoyed by Individual Members are applicable to a limited number of individuals employed at a member company, based on the membership category and fee
- Permission to use the SAISC logo on the company website or email signatures
- Marketing and PR support services
- Company listing on the SAISC Member Directory / Website
- Receive discounts on all SAISC publications
- Receive discounts on attendance fees for courses, seminars and conferences
- Opportunity to participate in sponsorship of the annual SAISC Steel Awards.

BENEFITS INDIVIDUAL MEMBERSHIP

- Access member-only content
- Receive technical advice
- Up to date with code and specification changes
- Finding support when you feel you are standing alone
- Networking with clients, the professions and competitors
- Discuss industry issues and let your view be heard
- Attending courses aimed at steel construction
- Receive discounts on all SAISC publications = 1 per publication per year
- Receive discounts on attendance fees for courses, seminars and conferences

* Membership for individuals are not transferable and may only be used by individual holding the membership. Individuals are also not allowed to use our LOGO.

To become a member of the SAISC visit our website www.saisc.co.za or email info@saisc.co.za



Proudly pioneering secondary steel manufacturing in South Africa.

Unica Iron and Steel is a first of its kind, fully integrated mini steel plant, manufacturing light and medium structural steel from iron scrap. Established in Babelegi 2006, the company has garnered a reputation for manufacturing quality light structural sections (window sections, square bar and angle iron) commercially.

The company boasts a new state of the art straight line rolling mill which allows it to produce bigger sections. Unica also has achieved ISO 17025 accreditation for its world class in-house laboratory featuring sophisticated equipment for accurate testing, which enables Unica to issue the 3.1 certificate to its customers.

Having established itself as a leader in the local South African market for its sections, Unica is ready to open doors for rest of Africa.



ISO 9001:2015, ISO 14001:2015,
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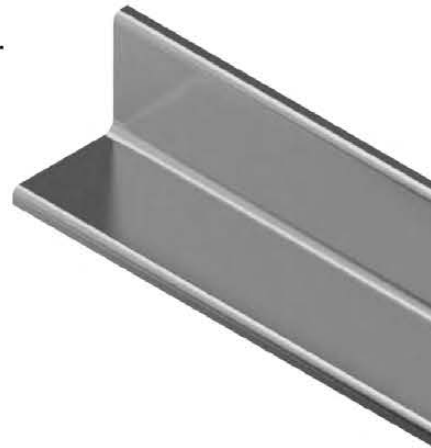


Manufacturers of Light & Medium Structural Steel

Unica Iron and Steel is a leading manufacturer of light and medium structural steel, located in Babelegi, Pretoria, Gauteng.

Established in 2006, the company has grown to over 800 staff operating from a 36 000m². facility where the company has garnered a reputation for manufacturing quality light structural sections (window sections, square bar and angle iron) commercially.

Instead of using iron ore, Unica Iron and Steel melts iron scrap, then rolls the resultant billets into structural steel. This fully integrated mini steel plant is the first of its kind in South Africa, with the concept originating from China and India.



Mangement System
ISO 9001:2015
ISO 14001:2015
ISO 45001:2018



www.tuv.com
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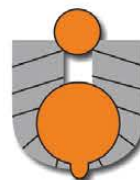
Always intent on innovation and the highest quality standards, Unica Iron and Steel is proud to be the first steel mill in South Africa to receive all three ISO integrated management systems accreditations:

ISO 9001:2015; ISO 14001:2015 and ISO45001:2018.



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Strength & Beyond

UNICA
IRON & STEEL

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