



SOUTH AFRICAN IRON AND STEEL INSTITUTE

ASSOCIATED BODIES

Southern African Institute of Steel Construction

www.saisc.co.za

The mission of SAISC is to develop and promote the health and wealth of the steel construction industry in Southern Africa.

We exist to pursue the following ideals

- a larger more profitable steel construction industry
- an industry that can compete with any of its counterparts anywhere in the world
- freedom from rules and practices that frustrate the industry in its efforts to provide clients with the best service
- a culture of innovation permeating all facets of the industry
- an industry populated and served in all fields by high-calibre people with the right skills

Founded in 1956 when South Africa was still a Union, the Institute was known as The Structural Steel Publicity and Advancement Association Limited. Initially the staff consisted of a single engineer offering his services on a part-time basis with a membership of 18 members.

In 1961 the Institute changed its name to the South African Institute of Steel Construction and more recently to the Southern African Institute of Steel Construction. Today the Institute boasts with a membership of nearly 600 members.

With a history spanning over 45 years, SAISC has been a key player in the field of education and training, advancing the level of expertise to new heights. However the emphasis has always been on promoting the use of steel in construction.

Board

The Board, elected annually, is representative of the members of the Institute. Its role is to determine the direction and policies of the Institute, in line with the needs of the industry at any time.



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Executive Committee

The Executive Committee is responsible to the Board of SAISC to ensure the effective management of the Institute.

Committees

There are six core committees responsible to the Board:

- Market Development
- Education
- Engineering
- Membership
- Contractors
- ISF (Export promotion)

Regions

There are two regional committees outside Gauteng who actively see to the interests of members:

- Kwa-Zulu Natal
- Western Cape

The SAISC is involved in the areas of marketing, education, engineering and the provision of member services.

Market Development

Marketing is vital to the continued success of the South African steel construction industry, which needs to grow its market share in areas in which it is underrepresented, quite apart from maintaining its share of traditional markets. To this end the SAISC researches techniques and products to improve the effectiveness of steel construction, maintains regular contact with potential clients and professionals, pursues individual projects for steel input and promotes the image of the industry. To foster fabricated steelwork exports beyond the borders of the Southern African Development Community, SAISC was instrumental in setting up International Steel Fabricators (ISF).



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Education

The availability of suitably trained manpower and specialist skills is a major factor in the continued growth and development of the industry. Education thus poses a major challenge. To maintain and develop the industry's competitiveness the SAISC operates a bursary scheme to draw young engineers into the industry, is actively concerned with the quality of courses in steel design at universities and technikons, invites eminent overseas lecturers to enhance courses, offers continuing education courses to recent graduates and practicing designers, and sponsors research programmes at several universities.

Engineering

Development of the steel construction Industry's technological capability is another major aim of the SAISC. This involves the provision of design aids (such as the Steel Construction Handbook) to designers and ensuring that South African codes and specifications for the design and construction of steelwork are on par with the best in the world. This includes the application of information technology. The SAISC is also involved in promoting better contractual arrangements and documents. Furthermore, advice is given to people in all aspects of steel construction.

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SOUTH AFRICAN IRON AND STEEL INSTITUTE

ASSOCIATED BODIES

Southern African Light Steel Frame Building Association (SASFA)
(www.sasfa.co.za)

A division of the Southern Africa Institute of Steel Construction (SAISC) reg
no. 1956/001307/08

Management

SASFA is managed by the SAISC, and stands under the ultimate control of the SAISC Board, who can override the decisions of the SASFA Steering Committee. The policies, priorities, budget and activities of SASFA stand under the control of the SASFA Steering Committee.

Mission

The mission of SASFA is to develop and grow the Southern African and export markets for light steel frame building.

Vision

SASFA will strive to make the following come true:

- Light steel frame building is established as a high quality, energy efficient, cost effective and preferred method of building in South Africa, for low rise residential and non-residential buildings.
- Light steel frames constitute a significant export industry.

Introduction

The advent of light steel frame building in South Africa is one of the most exciting developments in recent times in the steel and building industries. While this method of building has been used in the US , Europe and Australia for decades, it was only recently introduced to our shores. It offers quality, cost efficiency and speed of erection for low-rise residential and non-residential buildings.

What is Light Steel Frame Building ?

Light steel frame building consists of structural wall frames and roof trusses, manufactured from cold-formed light gauge galvanized steel sections. Exterior cladding can consist of a single skin brick wall or fibre cement board, fixed to the wall frames. Services - electricity and plumbing - are installed in the wall cavity created by the light steel frames, as is the insulation material. Gypsum board, fixed to the light steel frame, is typically used for internal wall cladding and ceilings.



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Advantages of Light Steel Frame Building

Light steel frame building offers a wide range of benefits when compared with conventional building or other framing materials, in terms of quality, cost, durability and speed.

Reduced wastage, lower logistical costs and reduced time of construction could offer cost savings of 20% or more, compared with conventional building.

Please explore the SASFA website to learn more about this exciting development: www.sasfa.co.za

For any questions or enquiries please mail info@sasfa.co.za



SOUTH AFRICAN IRON AND STEEL INSTITUTE

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The Southern African Institute of Welding

www.saiw.co.za

Founded in 1948, South Africa's centre of welding expertise, taking the lead in transfer of modern technologies and providing world-class training services.

Mission Statement

The Southern African Institute of Welding's mission is to contribute to the competitive position of all South African industries using materials joining related technology....

- through the provision , encouragement and support of appropriate education and training strategies.
- through technology transfer, quality and productivity improvement, as well as technical consultancy services.
- through promotion of the image of the Institute, materials joining, including welding and the metals industry.
- through encouragement and support of small businesses.
- through promotion of the National Skills Culture.

Focus

The Southern African Institute of Welding aims to serve the welding industry and to promote its interests by furthering the standards, training and qualification of South African personnel and thereby make the South African industry as self-sufficient in welding technology as possible. To this end the Institute's focus is on training. It encourages corporate bodies to invest in training, makes training (of international standard), qualification and certification available to the industry, and ensures that standards are maintained in all three areas. The Institute encourages and provides incentives to learners to achieve their goals and it also keeps abreast of the latest research and development in welding and related technologies and disseminates information through the industry.

Services

The Southern African Institute offers various Welding and NDT-related services to members and industry in general.



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Training

The SAIW Training Department offers a wide variety of courses ranging from practical welding, to technical courses on various welding-related subjects, as well as NDT training. The facilities include a spacious practical welding school with individual welding bays and modern and fully equipped classrooms and NDT laboratories. We also offer expert tuition from our fully qualified lecturers.

Qualification & Certification

Qualification and Certification administers all the qualification (examinations) and certification applications for the various courses conducted as well as SAQCC qualification and certification and IIW qualification and certification. They also handle all the re-certification of previously gained qualification and keep records of all the candidates qualified and certified to the various schemes. These are also published in the National Register and Website.

Consultancy

The Technical Consultancy Department offers expert advice on Welding, Quality Assurance, Joining, Surfacing and Cutting, Design and Manufacturing, Materials and Weldability, Failure Analysis and Industrial Research and Development.

Membership Services

The Institute offers many benefits to both corporate and individual members.

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ASSOCIATED BODIES

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SOUTH AFRICAN IRON AND STEEL INSTITUTE

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South African International Steel Fabricators

www.isf.co.za

South African International Steel Fabricators (ISF) is a joint-venture marketing company representing the leading South African structural steel fabricators whose objective is to increase their export sales by pooling their resources.

Each company represented by ISF has an established reputation for their ability to provide their clients with internationally price-competitive and quality-driven products for specific projects incorporating structural steelwork and platework.

ISF companies

... have a combined capacity in excess of 10 000 tons of steelwork a month and holding companies have a combined turnover of US \$4-Billion a year.

... have over 200 years of combined experience and export their products and technical expertise worldwide.

... have the expertise to design, fabricate and erect structural steelwork for High Rise & Commercial Buildings, Industrial & Material Handling Structures, Power Generation & Transmission Projects, Mining Projects, Aircraft Hangars, Sports Stadia & Conference Centres, as well as Offshore & Storage Structures.

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SOUTH AFRICAN IRON AND STEEL INSTITUTE

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South African Wire Association

(www.sawa.co.za)

Vision and Mission statement

Vision

Local and international consumers of wire products accept the South African Wire Industry as world class.

Mission

The mission is to support the South African Wire Industry in becoming world class and to maintain that position.

Definition of wire products

Any product manufactured from wire rod as initial input product. Furthermore, it is emphasized that the total value chain is catered for - from wire drawing to consumed product and includes any stakeholder in the value chain.

Classification of products

- Low carbon wire
- Formed wire products
- High carbon wire
- Fasteners
- Automotive wire products

Our focus

- Act as a voice for the wire industry to all stakeholders.
- Identify industry threats (imports).
- Identify export opportunities.
- Support industry in export promotion / market research.
- Support industry in pre-active dumping management as well as in resolving dumping claims should they arise.
- Act as a forum for industry communication and networking.
- Supporting government drives (SMME's, BEE, creating job opportunities, growing foreign exchange earnings) within existing industry interest.
- Creating and maintaining a support base of skills and infra structure to succeed in the export process.
- To obtain, maintain and share with it's members market intelligence relevant to the wire industry.



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Legal status

SAWA (also known as SAWBC) is a Registered Section 21 company managed by a full time Executive Director and controlled by a board of five other directors (elected at an annual general meeting of members) as well as a non-executive director appointed by TISA.

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SOUTH AFRICAN IRON AND STEEL INSTITUTE

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Southern Africa Stainless Steel Development Association

(www.sassda.co.za)

The Association

Sassda, (Southern Africa Stainless Steel Development Association), is one of the most active stainless steel industry associations in the world and has since 1964, been involved in increasing the awareness and use of stainless steel in Southern Africa.

It offers its members a wide variety of services, the most notable of which are technical information and advice, education, training and skills upgrading, a range of publications and market, industry and business development support.

The Constitution

The Association is governed by a Constitution with an elected Main Committee having control of its affairs. Drawn from this Main Committee, and reporting to it, is an Executive Committee, each member of which is responsible for a particular portfolio such as finance, education, publications or market development.

Sassda's head office is in Rivonia where, under the management of the Executive Director, a permanent staff handles day to day affairs. It is also assisted by consultants operating out of various regions.

Membership

Membership of the Association, which is subject to ratification by the Main Committee, is open to both national and international companies and individuals, in good standing involved in the production, distribution, fabrication, conversion and use of stainless steel.

Funding

Sassda, which is a non profit-making body, derives its income from a variety of sources. These include membership subscriptions, a levy on the sale of domestic stainless steel and income from publications, education and technical activities.



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Sectorisation

Where appropriate, Sassa members are grouped into one of several industry sectors, the members of which meet on a regular basis to discuss areas of common interest. Each sector appoints a chairman who represents that sector on the Main Committee.

Individual sectors, which are allocated budget funds according to their needs, are responsible for directing Sassa's activities in areas such as market research, sector promotion, workshops, seminars and government liaison in respect of trade practices, duties and incentives.

Sectors are also encouraged to produce brochures on their capacity and activities as a way of making the market aware of their capabilities.

There are 10 sectors currently active but additional sectors can be formed whenever the need arises.

Existing Sectors are:

- Architectural, Building & Construction
- Capsec - Cape Stainless Equipment Cluster
- Catcon Interest Group
- Consumerware
- SASSFA - (Southern African Stainless Steel Fabricators Association)
- SATCA - (South African Tank Container Association)
- Surface Finishing Sector
- Tube and Pipe Manufacturers
- Welding



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Services

Sassda offers a number of services, which fall under four main headings:

- Technical information and advice
- Education, training and skills upgrading
- Publications
- Market, industry and business development

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SOUTH AFRICAN IRON AND STEEL INSTITUTE

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Steel and Engineering Industries Federation of Southern Africa

(www.seifsa.co.za)

Mission and vision

Our mission..

SEIFSA is an employer federation that represents and promotes the interests of our members in the metal and engineering industry. We do this by negotiating collective agreements with trade unions and providing a range of other services to members in the areas of social policy, skills development and economic and commercial services on both a collective and individual company basis.

Our vision..

To be the **recognised voice** of the metal and engineering industry, the **recognised negotiator of industry agreements** and the **first choice provider** of services.

- **Recognised voice:**
 - Views are heard and taken seriously at national level by government, other employer federations and trade unions;
 - Views are seen as being representative of the industry's employers as a whole.
- **Recognised negotiator of industry agreements:**
 - Negotiations with trade unions at national level result in effective, fair and responsible conditions of employment and benefit fund arrangements. Skills development policies and programmes are beneficial to members in developing their employees' skills.
- **First choice provider:**
 - Services are widely recognised by membership as providing:
 - advice and guidance which is relevant to company needs, practical and user friendly;
 - The best levels of knowledge and expertise available; and
 - The best value for money.



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SOUTH AFRICAN IRON AND STEEL INSTITUTE

ASSOCIATED BODIES **Association of Steel Tube and Pipe Manufacturers of** **South Africa** (www.astpm.com)

The ASTPM is a non-profit trade association representing the major welded carbon steel tube and pipe manufacturers in South Africa. Collectively, the members produce a complete range of tube and pipe for all conveyance and structural applications to the highest international standards. About 380,00 tons of welded carbon steel pipe was produced last year, of which 100,000 tons were exported.

The objectives of the Association are:

- Promotion of the use of welded carbon steel tube and pipe.
- Representation of common interests to government, quasi government and other organisations
- Promotion of import replacement, where and when economic and feasible
- Promotion of the export of welded carbon steel tube and pipe
- Co-operation without collusion between the members

South Africa's steel tube and pipe industry- product range

There are currently ten ASTPM manufacturers of welded carbon steel pipe and tube in South Africa. Between them they manufacture the following products:

- Seven manufacture ERW pipes and tubes ranging from 13,5mm NB to 200mm NB
- One manufacturer produces ERW pipes from 200mm NB to 500mm NB
- Two manufacturers of spirally welded DSAW pipes from 600mm NB to 3000mm NB
- There is one manufacturer of seamless carbon and low alloy steel pipes up to 150mm NB
- Structural hollow sections in a full range of standard sizes from 63,5mm OD to 508 OD with square and rectangular derivatives



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