

## Environmental Sustainability

Ecological importance of using Frametech Structures light gauge steel structures building solution.

To build an average house it is necessary to cut approximately 8 to 10 mature trees.

our light gauge steel frame building solution will help preserve Kenyan as well as African forests.

Frametech Structures Ltd proudly supports environmental sustainability. We believe that

Our product is recognized as Environmentally friendly (Green) product



## THE CONSTRUCTION PROCESS

In order to receive a proposal for your project please provide us with your full set of Architectural drawings in AUTOCAD or ARCHICAD.

Our Team of Trained Engineers will design your structural members using the FRAMECAD Integrated software solution to suit your preferred roof cover.

It is important to make a site re-measurement before production commences to ensure that the drawing corresponds to the actual building constructed on site.

Once this is done, with your approval and confirmation, production and assembly of the frames commences.

### The frames:

The steel structures are assembled lying on the ground following production

### Erecting frames:

The frames are erected by hoisting/lifting them then connecting all the elements with nuts and bolts

### Alignments:

Aligning and plumbing of the structure is made

### Roof:

Roof battens are installed with self drilling screws

### Roof cover:

Roof cover is installed as per manufacturer's instructions

### Gutter system

uPvc rain water goods are finally installed to produce a perfect aesthetically appealing product.



If you are looking for speed to beat your project deadlines, cost minimization and a solid return on your investment, while being environmentally friendly, then Frametech Light gauge steel structures using Frametech Building Technology is the solution.

For further information or for a list of our appointed distributors, please contact us on the following address:



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# Innovative Building & Roofing Solution

# Welcome to the world's most advanced pre-engineered steel frame design and building solution using light gauge structural steel.



In partnership with FrameCad Building Solutions, New Zealand; an international leader in turnkey light gauge steel frame building projects and rapid construction product solutions, Frametech Structures Ltd now offers you an all in one solution for your building construction using an innovative new technology that guarantees you speed, durability and performance.

This technology will have a huge impact on project costs and viability in terms of quality control, time management and overall aesthetics by offering precision construction made simple for everyone.

Nearly all developers begin their construction projects with the desire that it will last a lifetime. With a light gauge steel frame, this doesn't have to be a dream.

Steel means strength; giving you the confidence that you are providing the best structure and the best investment possible for your development.

Our product is versatile and can be engineered to offer structural roof options for the following roof covers:

- Decra roofing systems or equivalent
- Clay or concrete tiles
- Long run corrugated sheets
- Asphalt and bituminous felt
- Profiled long run roofing sheets
- Any other roofing cover

## Product Profile

Our product offers you a seamless integration of all processes involved in engineering design and building with cold formed light gauge steel frames.

This involves use of a fully automated engineering design software and manufacturing

plant for automated production of structural frames to suit all types of development.

This means that design, engineering, detailing, quoting, production, planning, materials management and structural steel frame production are all automated.

## Comparative Advantages of Light Gauge Steel Structures Over Other Structural Materials

- Competitive price compared to traditional wood framing.
- Structural integrity is not compromised
- Savings in time due to high speed production and rapid construction
- Rapid on site erection due to high accuracy of structural members
- Labor savings due to the light weight members and easier handling
- Can be prefabricated in the factory hence saving in erection time and labor
- Maximum efficiency and waste reduction to less than 3%
- Environmentally friendly: over 66% of steel is recycled.
- Fire safety: Our product is non combustible and will not add fuel to fire or collapse as easily as wood does.
- Minimal maintenance required
- Termite and fungus resistant.
- The strength to weight ratio of steel is 300% higher than wood.
- Screws, nuts and bolts eliminate squeaks, nail pops and need for repairs
- Steel offers consistent strength all the way through the members. This is because steel does not have knots

## TOTAL ROOFING SOLUTION

In line with modern lifestyle building requirements, Frametech Structures now offers you a total roofing solution using our light gauge steel trusses and galvalume steel battens.

Our product is versatile and can be engineered to offer structural roof options for the following roof covers:

- Decra roofing systems or equivalent
- Clay or concrete tiles
- Long run corrugated sheets
- Asphalt and bituminous felt
- Profiled long run roofing sheets
- Any other roofing cover

Other benefits of our light gauge steel roofing frames include:

- Fast, high quality production, minimizing project delays
- High aesthetics due to straight members. Roofs and ceilings achieve higher quality finishing with steel.
- Durably and resistant to corrosion due to the high level of galvanization on our steel members and galvalume coating on our battens
- Accuracy is determined by the system, not the skill level of factory workers or on site installers

- It allows complete roofing constructions of all kinds rapidly, just from one steel profile,
- All components are produced to an accuracy of +/- 0.5mm ensuring that the roof can be built exactly to plan
- Dimensionally stable and straight which makes for better quality finishing, eg the roofing and ceiling looks perfect with steel.
- Steel has consistent strength all the way through
- Steel can be boxed (nested together for additional strength without adding to the profile size.
- The assembly process for steel trusses is simple as all the pieces are 100% cut, punched and labeled
- Light gauge steel can withstand extreme weather conditions like strong winds and rain
- Protects the environment by reducing the amount of timber required for construction
- Unrivalled versatility; you can achieve any roof design
- Improved design efficiency by use of the pre-engineered solution
- Consistent and reliable

## PROVEN RELIABILITY AND TECHNICAL SUPPORT

Our system has been well proven in design and build projects all around the world, in differing climates, extreme weather conditions and remote locations.

The technology has been developed to be simple, economical to operate and 100% reliable.

Structural Steel represents the highest quality building material, since it is subject to rigid international standards of strength.

In addition, all of our design and manufacturing are supported by an international team of consultants and technicians to provide comprehensive technical support.

We also offer local technical advice and support.

### Typical applications:

We are able to offer structural solutions for the following projects:

- Residential, apartments and affordable housing
- Steel roof structural solution (trusses and battens)
- Military and institutional accommodation
- Administration buildings and offices
- Schools and medical facilities
- Portable, prefabricated and modular buildings
- Commercial and industrial projects
- Projects in remote locations
- Rapid deployment projects
- Disaster relief and re-construction