

Modular & Light Steel Gauge *Construction*

Build in Weeks. Not Months — The Engineered Alternative to conventional Cement, Masonry and Timber.

BUILDING SMARTER. DELIVERING FASTER. DEFINING QUALITY.

CONTEXT

Construction hasn't changed in fifty years.

Most buildings are still framed the way they were in the 1970s — on-site, by hand, exposed to weather, labour shortages, and material waste.

The method hasn't evolved, but the demands on developers and end users have never been higher.

The demand: build faster, more precisely, and to a standard that doesn't vary from crew to crew. The problem is clear: traditional construction can't keep up.



Traditional delivery · Uncertainty built into the process

THE PROBLEM

The Hidden Cost of Traditional Building.

Building on-site means managing uncertainty. Every project is exposed to labour constraints, environmental conditions, and execution variability that impacts cost, speed, and quality.

- 01 **Budget Overruns** from poor tolerances and material waste.
- 02 **Programme Delays** caused by weather, labour, and trade sequencing.
- 03 **Inconsistent Quality** that leads to callbacks and disputes.

OUR INSIGHT

The Future of Construction is Engineered.

We don't just build; we engineer. By moving the process into a controlled factory environment, we eliminate the variables that plague traditional construction. Every piece of galvanized steel is precisely cut, punched, and labelled before it arrives on your site. This isn't just a faster way to build; it's a smarter, more reliable way to deliver a superior asset.

WHAT CHANGES THE EQUATION

Precision moves indoors.



Factory production · Precision in a controlled environment

THE SOLUTION

One Material. Infinite Possibilities.

Our LSG system adapts to projects of any scale and complexity — from flexible on-site framing to fully prefabricated modules.

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|----|--------------------|---|
| 01 | Stick-Build | Small projects, high architectural flexibility |
| 02 | Panel Construction | Most residential projects — unmatched speed and quality |
| 03 | Modular | High-volume projects, hotels, and multi-storey housing |
| 04 | Infill Walls | High-rise buildings and commercial façades |

ONE MATERIAL, FOUR PATHS

Panelised. Modular. Precisely delivered.



Panel and modular production · Repeatable quality before site delivery

HOW IT WORKS

See Your Vision Rise, Floor by Floor.

The platform method is the industry standard for a reason: it's simple, fast, and incredibly precise. Each floor is framed directly on the one below it, eliminating accumulated errors and ensuring perfect alignment all the way to the roof. This predictable, streamlined process is the backbone of almost every successful LSG project delivered.



On-site erection · Speed made visible

ON SITE

From Our Factory to Your Site in Days.

SPEED YOU CAN SEE

This isn't a dream. It's the reality of LSG construction. Structural steel, delivered pre-cut and pre-punched, is erected by a small, skilled crew. No wet trades, no long cure times, and no weather delays. Just a safe, clean, and incredibly efficient build that gets you into your space months ahead of schedule.

Twelve layers. One wall.

From interior paint to exterior brick, every layer is specified to hit fire, acoustic, and thermal targets — not just to fill a cavity.



Integrated wall, floor and roof assembly

DESIGN LIFE

200+ years

STEEL CORE

100% recyclable

Floors that don't bounce.

Steel floor joists, corrugated decking, and structural concrete meet strict deflection and vibration limits — span/350 static, 8Hz+ natural frequency for domestic use.

ROOF CONSTRUCTION

A roof engineered, not assembled.

A precision-engineered roof system designed for strength, stability, thermal efficiency, and long-term performance.

- 01 Steel roof truss carries the load, not the tiles
- 02 Rock wool + double OSB build the thermal envelope
- 03 Waterproof membrane sealed beneath the finish

Every member modelled before it's cut.



Designed before it is built · Analysis, coordination and fabrication data

Full structural analysis and BIM detailing precede fabrication: member sizing, connection design, and clash detection are resolved on screen, not on site.

01

Precision Engineered

Every member, connection, and load path is digitally verified before production.

02

Clash-Free Coordination

BIM resolves conflicts before they impact construction.

03

Optimised Performance

Calculations ensure strength, stability, and long-term durability.

04

Fabrication Ready

Accurate digital models minimise waste and rework.

THE RESULT

Quality You Can See. Savings You Can Measure.

The proof is in the finished project. An LSG build is more than just a fast solution; it's a superior one.



Finished architecture · Engineered structure, resolved detail

Structurally Sound

Stronger and more durable than timber or masonry.

Energy Efficient

Designed for high-performance insulation and lower long-term costs.

Environmentally Responsible

Minimising waste with highly recyclable materials.

Aesthetically Superior

Clean lines and freedom for innovative design.

The system disappears into the architecture.



Completed development · Neighbourhood scale



Villa courtyard · Structure resolved



Finished interior · Calm, exact spaces



Architectural detail · Tolerances made visible

THE NUMBERS

Let the Numbers Speak for Themselves.

When you choose LSG, you're choosing a method that delivers measurable results. You're not just getting a building; you're getting a more valuable, sustainable, and faster-built asset.

40%

Faster Build Time

30%

Less Material Waste

100%

Pest, Rot, and Fire Resistant

50+

Years Structural Life



YOUR NEXT STEP

Ready to Build Smarter?

Stop fighting the limitations of traditional construction. Join the growing number of developers and homeowners choosing Light Steel Gauge for its speed, quality, and long-term value. Let's discuss your project and show you how we can deliver exceptional results, faster.

SCHEDULE YOUR FREE CONSULTATION

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