

INTELLIGENT STEEL

PROCESS-DRIVEN | INNOVATION | COLLABORATION

FACT SHEET 2019

INTRODUCTION

Intelligent Steel Solutions Ltd is an award winning design, manufacture and installation company offering high quality cold-formed structural steel to the construction industry.

Based in County Durham on a seven-acre site with state-of-the-art framing and fabrication machines, operating nationwide to DFMA (Design for Manufacture and Assembly) principles.

OUR PRODUCTS

- **INFILL** - Engineered piece built into concrete or hot-rolled framed construction.
- **OFF-SITE INFILL** - Pre-engineered panels are designed and formed off site. They can be provided as open panels or pre-boarded as required.
- **LOAD - BEARING PANELS** - Factory-assembled panels, designed to be load-bearing rather than simple infill. Walls, cassettes (floor and roof) can be pre-boarded and insulated, or left open for access and finishing by other trades.
- **MODULAR CONSTRUCTION** - Part of 'just in time' supply chains, getting custom components to other manufacturing facilities for incorporation.

SECTORS

- **HEALTHCARE**
- **EDUCATION**
- **RESIDENTIAL**
- **COMMERCIAL**

BENEFITS

Intelligent Steel Solutions blends together industry-leading technology, manufacturing know-how along with passion and experience to deliver a bespoke and highly personal journey to project completion.

- **LOWER COST** - Cost efficient
- **SPEEDY CONSTRUCTION** - Benefit to programme and budget
- **DESIGN FLEXIBILITY** - 1mm increments along with, pre-panelisation give greater flexibility towards architectural intent.
- **OFFSITE CONSTRUCTION** - Quality control along with program certainty
- **SUSTAINABLE SOLUTION** - Reduces waste, meets/exceeds sustainability targets, 100% recyclable, at end of life.
- **NON-COMBUSTIBLE** - Reduces fire risk
- **DURABLE** - Maintenance-free, dimensionally stable
- **QUALITY PERFORMANCE** - High levels of accuracy, with no shrinking or creeping
- **LIGHTWEIGHT** - Reduces weight load and depth of foundations, increases design options
- **LARGE SPANS** - Fewer load bearing internal walls needed, creating larger internal spaces
- **M+E CO-ORDINATION** - Reducing follow on trade costs.

RECENT PROJECTS



BRENT HOUSE WEMBLEY HA9

Sector: Residential

- 248 apartments, 7 to 10 storey mixed-use scheme across 5 blocks.
- Load bearing panellised construction with lattice joist flooring.
- Modular balcony system
- Provision of stairs and cores
- 20500m²



BAYLIS OLD SCHOOL LONDON SE11

Sector: Residential

- 149 Central London apartments, 4 blocks.
- Load bearing panellised construction off strip foundations.
- 14500m²



THE HERMITAGE ACADEMY CHESTER-LE-STREET SH2

Sector: Education

A school site with restricted access and requirements for a speedy build, due to term time restrictions.

- Load bearing panellised construction
- Large span lattice roof to falls
- 800m²



RUTH GORSE LEEDS LS10

Sector: Education

Single storey, stand-alone school building. Large open spans. Feature curved entrance

- Pre-panellised infill
- Pre-boarded in factory
- 2800m²

AWARDS

Designed by Intelligent Steel, built with Intelligent Steel technology.



Vita Student Accommodation

Awards Offsite 2017 - Highly Commended, Best Use of Steel

Tekla UK BIM awards 2017 – Commercial Projects Winner



Ruth Gorse Academy

Nominated for Leeds Architecture Awards 2019



The Foundry

Nominated for Leeds Architecture Awards 2019

Offsite 2017 – Highly Commended, Best Use of Steel

ACCREDITATIONS



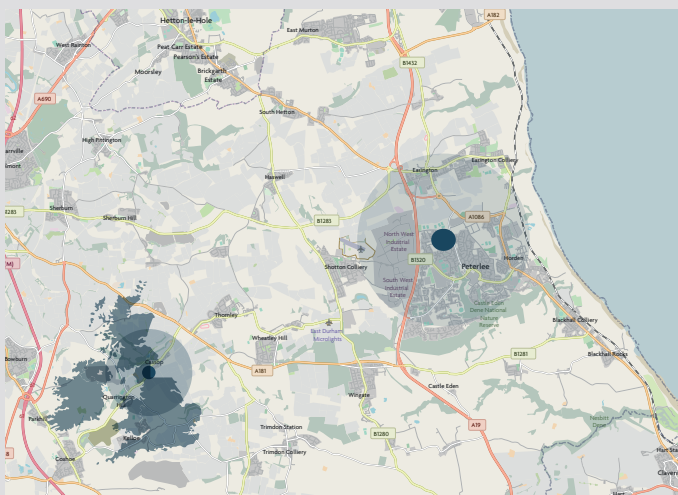
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