

IN THE **FRAME**

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EOS INVESTMENT AND INNOVATION

Recent Government announcements underpinned by a number of industry reports and major investment declarations, is advancing the offsite sector. Driven by the demand for more predictability throughout the construction process, the resurgence in offsite construction has resulted in increased levels of market activity and innovation.

To meet this demand, EOS are expanding our product portfolio to include fully tested and warrantied load-bearing light gauge steel systems, which are supplied in pre-assembled offsite manufactured panels and cassettes for installation onsite. All ancillary components such as bracing, packing and fixings are manufactured in our own expanded facility and are included within the scope of supply.

Our fully inclusive service from concept to completion, ensures efficient and rapid construction. With every project our experienced and highly skilled operatives are available to attend site and offer technical advice, design assistance and installation training.

We are operating in exciting times for the built environment - whatever the construction sector, there has never been a better time to capitalise on the raft of benefits that factory-based offsite technologies can deliver.

Steve Thompson - Managing Director

WE HAVE LIFT OFF – AS THE **NEW EOS WEBSITE IS LAUNCHED!**

Our new website www.eos-facades.co.uk has been designed to offer the ultimate user-friendly experience with improved navigation and functionality whilst allowing customers to see details of the product portfolio, including the newly launched - Thruwall® System.

Created with the user experience in mind, the rapid response functionality allows the site to be compatible with all browsers and mobile devices. The new information centre includes an image library and video vault, together with downloadable company literature, a compendium of case studies and circa 40 Standard Details as well as a Load Bearing Structures Installation Guide and Your Framework for Building a Better Future.

Building design and construction is the sum of many parts - some projects demand unique and one-off solutions but for many, rapid and robust systems are required to get buildings on-stream and ready for occupation or commercial use.

As the adoption of offsite technology is gaining momentum, now the transition to more repeatable, DfMA-led and comprehensive solutions is the next logical step. As leading innovators, EOS specialise in the design, manufacture and supply of a wide range of steel solutions for the SFS and offsite markets including volumetric modular - here's just a selection of our recent project wins.

EDUCATION

- **Huddersfield University** - 2-storey extension to the Science Laboratory - Client: Brebur
- **BSE Stem Academy, Bury St Edmunds** - 2-storey new build - Client: Kier



RESIDENTIAL

- **Broadway, Ealing, London** - 12 storey apartment block - Client: Stanmore
- **Southgrove, Walthamstow, London** - 12 apartment blocks of varying in height up to 15 storeys - Client: Stanmore
- **POWD Blocks D & H** - Two apartment blocks, 11 and 12 storeys - Client: M Price
- **Belgrade Plaza ph2, Coventry** - two blocks of student accommodation, 12 and 14 storeys - Client: L Reynolds
- **Gore Street, Manchester** - three apartment blocks of varying in height up to 15 storeys - Client: Horbury
- **Milton House, Croydon** - 3 storey apartment block - Client: Braddon
- **Neasden & Stonebridge, NW London** - 5 storey apartment block - Client: London Square
- **Camley Street, Kings Cross London** - 12 storey apartment block - Client: Ardmore



RETAIL

- **Ashford Designer Outlet, Kent** - 3 retail blocks of 2 storeys - Client: McLaren

Offsite systems manufacturers are operating in exciting times - whatever the construction sector, there has never been a better time to capitalise on the raft of benefits that factory-based offsite technologies can deliver.



Company News...

DEMONSTRATING OFFSITE EXPERTISE IN ACTION

“Excellent performance with huge potential for gaining a significant chunk of the residential market - a great push for offsite manufacturing” - was just one of the positive comments received following the EOS site study tour.

Representatives from Kier Construction, Sir Robert McAlpine, Shed KM Architects, United Living plus many more, gathered at the Hotel Du Vin in Wimbledon in preparation for our site study tour. The invited guests jumped at the opportunity for an informative guided tour around two of the capital's most prestigious developments, The Ram Quarter - a pioneering new project in the heart of Wandsworth and The Riverside Quarter – luxury apartments overlooking Chelsea and Fulham.

Organising a tour around two live sites is not without challenges, however the feedback we have received following this event has been outstanding. It allowed us to not only have detailed conversations but actually demonstrate our work 'in action' and what can be achieved through an open culture and close collaboration combined with offsite manufacturing expertise. We take pride in our 'partnership approach' and one aspect that our guests were genuinely surprised about, was the level of detail we were prepared to share.

To read the full site study tour review in Offsite Magazine go to: goo.gl/3TtFBt



WORKING IN PARTNERSHIP WITH DURKAN

EOS partnered with Durkan to design and engineer the steel framing systems (SFS) for two significant developments at opposite ends of London. Acting as the design and build contractor, Durkan secured the fundamentally different sites, which showcase their expertise in the London housing market.

BRITANNIA MUSIC DEVELOPMENT

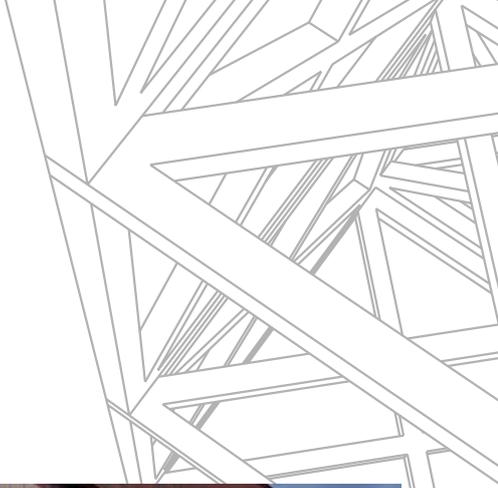
Consisting of 354 contemporary residential apartments in four blocks of 9, 10, 13 and 23 storeys - this major regeneration project is in the heart of Ilford town centre. The reinforced concrete structures with SFS infill, delivers excellent fire, acoustic and thermal performance. A key part of this successful scheme was our engagement and collaboration with Durkan and Fourpoint Architects at a very early stage of the proposed development which enabled the EOS team to efficiently design, engineer and manufacture the building envelope around the steel framing systems.



WESTERN AVENUE

Located across five sites in the busy commuter suburb of Acton, London - Western Avenue is a substantial scheme of shared ownership, affordable rental, private sale and rental homes - created to provide a mix of apartments and larger family accommodation. The project for developer Notting Hill Housing, consists of 180 flats and houses together with 128m² of retail space.

EOS designed, manufactured and supplied SFS Infill frames for the main external building envelope with pre-assembled jambs, cills and lintels for the reinforced concrete structure.



Positive Outcomes

One of the offsite solutions that offered maximum programme benefits to both projects was our innovative Thruwall® System - derived from the Etex Building Performance group of companies. The Thruwall® System - combining BBA certified, non-combustible A1 external sheathing, engineered steel framing system and internal wall linings - eliminates the challenges surrounding the specification of the building envelope by providing a complete all-in-one solution.

EOS like to get involved right from the onset of projects for practical reasons. By providing advice and guidance throughout the design process, the team can ensure that client's gain the maximum project benefits. By working in close partnership with Durkan across the Britannia Music and Western Avenue projects - the EOS team have been able to design and offsite manufacture steel framing solutions to deliver two complex projects of differing scale and aesthetic – uplifting the area, rapidly and efficiently bringing much needed homes onstream.



Load-Bearing Systems

Driven by the demand for more predictability throughout the construction process - EOS are expanding our services to include light gauge steel framing load-bearing systems. With 14 years' design and manufacturing expertise in panelised, volumetric modular and pod technology - EOS are delivering a range of tested and warrantied load-bearing systems, which are supplied in pre-assembled panels and cassettes for installation onsite.

As part of Etex Building Performance, combining our expertise with other prominent dry construction experts Promat and Siniat - EOS provide a fully inclusive service from concept to completion, ensuring the rapid construction of our load bearing structures. Loading factors taken into consideration during the design and engineering phase include - overall stability, imposed, dead and wind loads, and disproportionate collapse.

All load-bearing external and internal walls can be designed and supplied as LGSF panels with preformed openings, insulation and weather defence sheathing board. All floors and roofs are designed and supplied in c-sections, lattice beam cassettes or as individual lattice beams for site installation.

These fully tested and warrantied systems are delivered to site pre-assembled to highly accurate tolerances of +0mm/-2mm. Delivered frames and cassettes include individual labels with section size and inkjet part marking with panel numbers and colour-coded by floor or agreed phasing. With 14 years' design and manufacturing expertise in panelised, volumetric modular and pod technology - all deliveries are pre-slung, and are safely laid flat on the lorry and strapped securely.



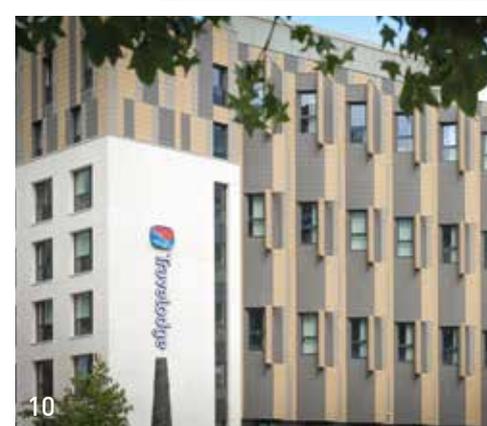
- Optimised through Design for Manufacture and Assembly protocols
- Load-bearing capability of up to nine storeys
- High strength to weight ratio significantly exceeding that of timber or concrete
- Total building frame supplied in pre-assembled offsite manufactured panels and cassettes
- All floors and roofs are supplied in either c-sections or lattice beam cassettes
- All ancillary components included within the scope of supply
- Load-bearing systems for pod and modular specialists
- Full Thruwall® technical support from Siniat & Promat
- Suitable for buildings over 18 metres with full prime fire test evidence to 2 hours
- All deliveries are pre-slung

With every project, EOS operatives are available to attend site to offer technical advice, design assistance and installation training. Installer teams can benefit from our day one 'Tool Box Talks' and phased site visits to offer independent quality checks on the installation.

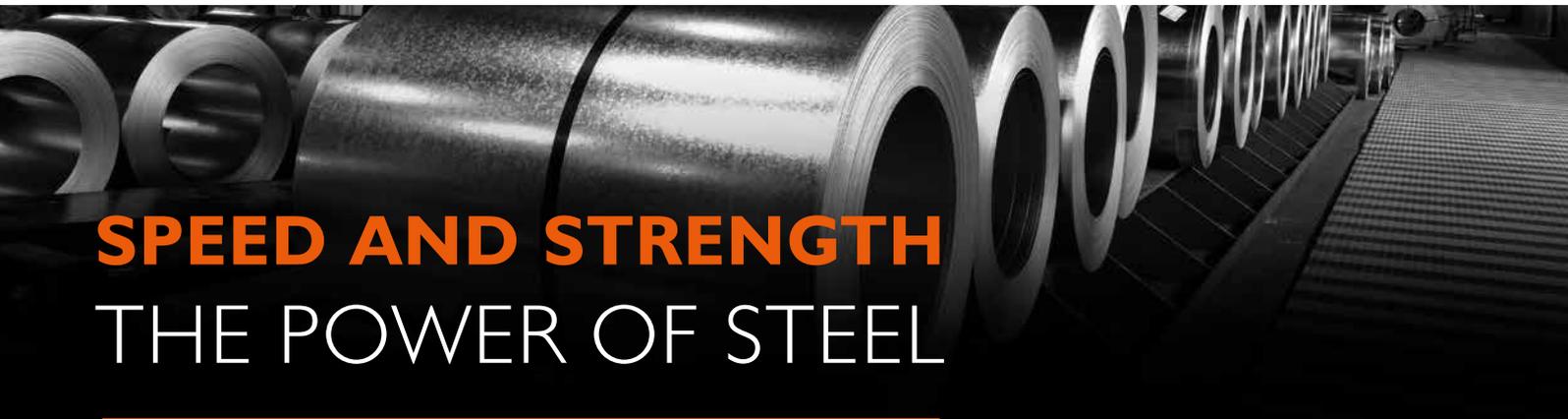


PROJECT GALLERY

From residential and mixed use schemes through to education, commercial and healthcare projects, EOS has a wealth of experience across all construction sectors and our image gallery offers an insight in to some of our work...



01 Premier Inn, Wembley 02 Ram Quarter, Wandsworth 03 Southwark Town Hall, Student Accommodation 04 Sarah Swift Building, Lincoln University 05 Old Church, Nu Living Accommodation, Romford
06 Orchard Village, Rainham 07 Lock Keepers, Gillender Street, Bow 08 University of Cambridge 09 The Riverside Quarter, Wandsworth 10 Travelodge, London City 11 Tunstall Road, Southampton

A photograph showing a long row of large, dark steel coils stacked in a warehouse, receding into the distance.

SPEED AND STRENGTH THE POWER OF STEEL

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Looking for a rapid, robust, and reliable structural solution?

EOS provide a fully inclusive service from concept to completion - ensuring rapid construction of our load bearing structures. Loading factors taken into consideration during the design and engineering phase include - overall stability, imposed, dead and wind loads, and disproportionate collapse.

PRE-ENGINEERED LOAD-BEARING SYSTEMS

- 14 years' design and manufacturing expertise in panelised, volumetric modular and pod technology
- Highly engineered, lightweight and robust non-combustible LGSF load-bearing systems
- Load-bearing capability of up to nine storeys
- Suitable for buildings over 18 metres with full prime fire test evidence to 2 hours
- Optimised through Design for Manufacture and Assembly protocols
- High strength to weight ratio significantly exceeding that of timber or concrete
- Total building frame supplied in pre-assembled offsite manufactured panels and cassettes
- Full Thruwall® technical support from Siniat & Promat
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