

# IN THE FRAME

EOS FACADES NEWSLETTER | ISSUE 5 JUNE 2018

## SUCCESS AT THE OFFSITE AWARDS

The Offsite Construction Awards are a platform to showcase innovation, celebrate best practice and recognise overall expertise in offsite construction and with over 200 hundred entries – competition was fierce. EOS Facades reached the finals in no less than four categories and were delighted to collect two awards on the night.

The first award went to Southwark Town Hall, highly commended in Commercial Project of the Year category. This was a challenging and complex project for EOS which called for some well thought through solutions. A fresh approach, respecting the existing structure’s heritage and character was required – combined with innovative solutions to bring the contemporary elements and the historic features together in one coherent design.

The second award went to our Brodick Ferry Terminal project, highly commended in Infrastructure Project of the Year. The £18m development on the Isle of Arran, enhances connectivity and ultimately tourism, between the mainland and the remote island. Adverse weather and



difficult ground conditions presented major challenges for the design and construction teams. Built on solid rock, traditional foundations and construction methods were not an option - offsite technology offered the only viable solution.

The EOS team had an excellent evening and we are delighted to be presented with two awards on the night. It is a great accolade to have our work recognised by such a prestigious panel of judges.

**Steve Thompson - Managing Director**

## EXPANSION AND EVOLUTION

Focused on continual development and progression, EOS has not only expanded our factory and developed a new fabrication plant which will proficiently manage the increase in capacity, but has also invested in new machinery and lifting equipment. This work has been undertaken in preparation for the increased workload with the development our Thruwall® system and load-bearing penalisation to support offsite initiatives. More details to follow in Company News.

Steel Framing Systems (SFS) designers and offsite manufacturers are leading the way in changing the face of construction - the rate of advancements in our sector is accelerating at a relentless pace.

As leading innovators, EOS specialise in the design, manufacture and supply of a wide range of bespoke steel solutions for the SFS and offsite markets. We offer integrated support from the beginning of the construction journey, providing advice and guidance from design to completion. With the UK seeing a rapid increase in the number of offsite manufactured buildings, steel framing systems have gained traction across all areas of construction. Here's just a selection of recent project wins across education and residential sectors.

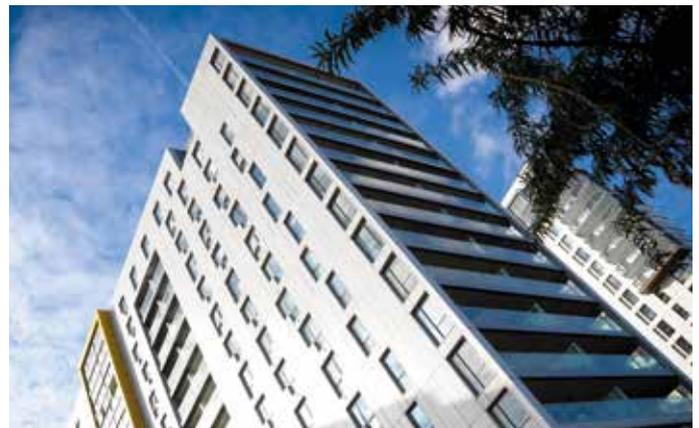
## EDUCATION

- Hitchin Girls & Boys Schools - Anglia Suspended Ceilings
- Cardiff West Community High School - Korbuild & Willmott Dixon
- St Michael's Church of England Primary School - Vale Interiors & Morgan Sindall
- Tring Park for the Performing Arts - Stepnells
- Lexden Springs School, Essex - Morgan Sindall
- Bannerdale School, Sheffield - Brebur & BAM
- ABCAM - SCL
- University of East Anglia (Building 60) - SCL
- Impact Building, Swansea University - Computational Foundry Swansea & M & P



The team here at EOS Facades are well known for building excellent working relationships based on customer needs - through our strategic alliance with Kier Group, we are working on the following education projects:

Bemrose School / Bluecoat Academy Science / Wiltsthorpe Community Centre / Fulbourn Primary School / Ripley Academy/Warriner School / Westwood Primary School / St Clement Hill Primary School, Norwich / Nene Park Academy / Meldreth Primary School / Melbourn Primary School.



## RESIDENTIAL

- Mahatma Gandhi House in Wembley Hill, high-rise residential (22 floors) - Formation Construction
- Former Hicking Pentecost site, Nottingham – medium-rise residential (7 floors) - L Reynolds
- Connaught Phase 2, Woolwich – medium-rise residential (mix of 17 blocks 5 - 10 floors) - Oak Drylining
- La Reve in Harrow, London - medium-rise residential (27 apartments) – Quintas
- Former Film Studios, Cheltenham - Retirement Village (60 bed care home & 55 assisted living apartments) - Stepnell on behalf of Richmond part of BUPA





## Company News...

### EOS FACADES REVEAL MAJOR DEVELOPMENT PROGRAMME

EOS Facades' expansion programme continues with a major extension to our factory and the development of a new fabrication plant. In addition to the five Howick steel framing machines in operation, to further expand our product portfolio we have commissioned a new machine (boxer) multi-width and installed overhead cranes for lifting and moving frames and steel coils around our extended facility.

The factory extension has been created to manage the increased volume of work with the development of the Etex Building Products Thruwall® system, integrating the product ranges from our group including Siniat, Promat and EOS Facades. We have invested in our own fabrication plant to be self-sufficient in manufacturing our ancillary parts such as angles, brackets, windows and cills. This will support our market leading 'lump-sum', all-inclusive pricing offer and complement our 'total supply' offering – enabling us to support the volumetric modular building sector together with high bay and continuous walling industries.

Our existing range offers 65mm, 100mm, 150mm, 200mm and 250mm deep sections in gauge thicknesses ranging from 1.2mm to 2mm and section lengths are fully customisable. Our latest multi-width machine can now also produce U-Track sections ranging from 65mm – 254mm in thicknesses ranging from 1mm to 3mm with capability to run all of our slotted head track profiles.

**For more information visit:**  
[www.eos-facades.co.uk/our-solutions](http://www.eos-facades.co.uk/our-solutions)



### CPD Factory Tours

Hosted by the EOS Technical Team together with the Etex specification team, EOS Facades run accredited CPD Factory Tours for architects, contractors, engineers and clients at our state of the art facility in County Durham. The tours include a presentation by the estimating team on how the EOS 'lump sum' quote is generated, a demonstration of design software, followed by a tour of the factory and demonstrations of the Howick and the new (boxer) multi-width machines. The tour features our quality control procedures, labelling, floor coding and traceability processes and includes examples of the innovative Thruwall® system types.

Following the tour, our technical team present a CPD session covering a variety of topics relating to this technology plus examples of best practice applications and project examples.

**This is the first opportunity to see EOS Facades' expanded operation - to register your interest for the next free CPD accredited factory tours, taking place on 20th September 2018 - please email Hannah Jones at: [eos@insideoffsite.co.uk](mailto:eos@insideoffsite.co.uk)**

*Please note, there is a maximum capacity of 30 people per session, so places will be booked on a 'first come, first serve' basis.*

### TRIED, TESTED AND WARRANTED - THRUWALL® SYSTEMS

With a turnover of over £200 million, Etex Building Performance combines the expertise of three leading lightweight construction brands Siniat, Promat and EOS Facades. The combination of our expertise in drylining, external sheathing and steel framing systems, as well as passive fire protection - means that we are uniquely positioned to bring together these elements to create a range of tested and warrantied Thruwall® systems.

Supported by our 30-year warrantee, our Thruwall® systems are non load-bearing infill solutions for the external building envelope combining BBA certified, non-combustible A1 external sheathing, engineered steel framing system and internal wall linings. Meeting building performance requirements for fire, thermal, weathering, acoustics and airtightness – Thruwall® provides an 'all in one' certified and warrantied system providing crucial time and costs benefits.

**For more information go to: <http://www.eos-facades.co.uk/information-centre/brochure-company-literature/>**

EOS have invested over ten years in developing products and services, underpinned by state-of-the-art technology. Here is just a snapshot of our work...

## SOUTHWARK TOWN HALL DEVELOPMENT

The former Southwark Town Hall has been transformed. The new mixed-use scheme offers art and leisure facilities including a theatre, café, artist studios, whilst also housing student accommodation for Goldsmiths University. This development took an uncommon approach, respecting the former Town Hall's heritage and character - marking a new phase in the history of this important building.

Cost certainty and sustainability were the driving force behind the specification of a steel framing system for this complex development, together with speed of build to accommodate the students of Goldsmiths University in time for the new semester.

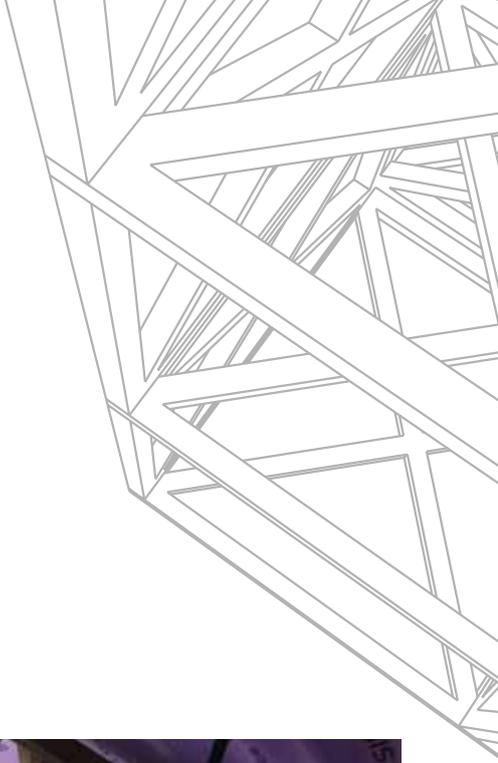


Working with their client, installer HG Construction, EOS Facades scope of work was two-fold.

EOS delivered a lightweight load-bearing steel structure to the roof on the seventh floor of the existing Town Hall building, combining cutting edge curtain walling and feature materials. Hot rolled posts were integrated into the SFS wall to hide an ugly steel beam and create an architectural feature - whilst allowing for large open spaces within the pavilion and roof terrace. The design, manufacture and supply of SFS Infill for the student accommodation - consisting of reinforced concrete slabs with a hot-rolled frame grid interface and SFS for the external facade.

Delivering both aspects of the project in parallel – EOS helped achieve an extremely tight construction programme to meet the impending University new semester.





## THE RAM QUARTER

The Ram Quarter is an exciting new development in the heart of Wandsworth - creating a new residential community, with shops, restaurants and riverside walks which will become a new cultural destination for South East London.

Transforming the former Young's Brewery site where beer has been brewed since 1581 - The Ram Quarter sensitively integrates historic Grade II\* buildings into the scheme to provide accommodation for boutiques, restaurants, a craft-brewery, a brewery museum and 661 new exclusive loft style apartments.

Working in partnership with Ardmore, one of the largest family owned construction groups in the UK – EOS Facades have designed, manufactured and supplied a range of around 15,000m<sup>2</sup> of SFS infill walling and 280m<sup>2</sup> load-bearing steel systems for the project. From standard to complex bespoke infill solutions, right through to detail load-bearing systems and the facade elements for the new high-rise residential blocks, spanning up to nine floors.

The Ram Quarter is injecting new life into old industrial units and has been very well received locally. The development will create a real community from nothing and is expected to become a destination in its own right. Once inaccessible, The River Wandle will be opened up and landscaped to provide public access along a new riverside walk. Alongside, the Wandle will be traversed by three bridges, with pavement cafés and restaurants lining the riverside walk, part of the Ram Quarter's 5,574m<sup>2</sup> of retail and leisure space.



## Making Modular Mainstream

Beyond the traditional light gauge steel framing markets, the development of volumetric modular and pod products is becoming increasingly important. Steel framing systems provide many of the characteristics that the design and manufacture of these solutions require.

Together with residential applications, volumetric modular is best suited to markets where the speed of programme and restricted site distribution are paramount such as hotels, healthcare centres, schools and offices.

Volumetric building modules are pre-assembled three-dimensional units that can be combined, stacked or linked to form complete permanent or relocatable buildings. This type of system is best suited to projects where modules form rooms, allowing extensive factory finishing and high levels of repeatability.

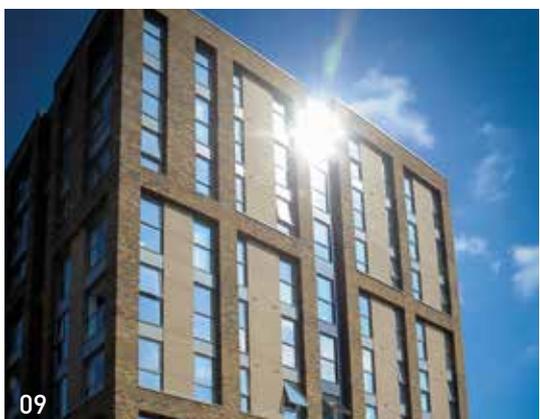
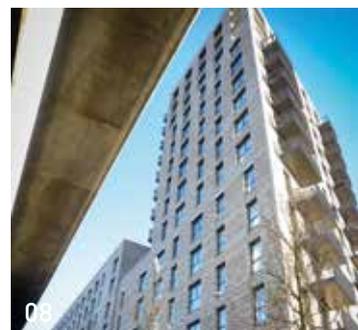
The superstructure is more often formed from steel framing systems and frequently a combination of hot-rolled and light gauge steel. The growing use of volumetric modular has seen an evolution in system types. The main types of modules are light gauge steel, capable of six to ten storeys depending on the system type. With greater demand for medium to high-rise applications, corner columns with hot-rolled or cold-formed stronger steel sections and more robust floors, often using concrete - have emerged.

Volumetric pods on the other hand are typically non-loadbearing, factory finished internally, complete with building services but not generally finished externally. Most commonly the framing of the structure is either light gauge steel frame or hot-rolled, hollow steel sections. Types of pods include washrooms, bath and shower rooms, kitchens and plant rooms.

The adaptability of steel results in systems being used in a variety of ways and forms to meet the demands of low, medium and high-rise developments across all construction sectors. Volumetric modules and pods further extend the appeal and specification - the steel framing sector is future proof and ready to meet the demands of the construction industry.

# 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 Blackfriars, London 02 Lincoln Gateway Student Accommodation 03 Edgware Green, London 04 Bessemer Place, London 05 Advanced Manufacturing Building at Nottingham University  
06 Colart Artisan Place, Harrow 07 Y Pant School, Pontyclun, Wales 08 Barrier Park, London 09 Albemarle House at Stockwell 10 Banks House at Isleworth 11 Heathside and Lethbridge Development

# YOUR FRAMEWORK FOR OFFSITE CONSTRUCTION

**As pioneers of light gauge steel construction, EOS Facades specialise in the design, manufacture and supply of a wide range of steel sections for panelised or volumetric offsite solutions.**

Through careful design detailing and value engineering, EOS Facades is able to offer the highest quality award winning light gauge steel solutions - delivering environmentally sustainable projects on time and to budget.

As an advanced high performance offsite solution, steel is a robust, rigid and dimensionally stable material that does not suffer from movement created by moisture related issues. Light gauge steel is perfectly positioned to meet construction industry demands – it is future proof and future ready.

If you have a project in mind then why not challenge EOS Facades to help value engineer the most efficient solution for you?



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