

 elements europe

RESIDENTIAL

Case Studies



 residential

CASE STUDIES

residential

Suitable Products for the Residential Industry:



Room Pod



Solopod (Bathroom Pod)



Light Steel Frame Façade



Light Steel Frame Structure

Off-site construction has been recognised for its ability to help solve the problem of a lack of housing available within the UK.

Elements Europe has already completed several residential schemes using its T-Frame solution. Other building systems such as our Bathroom Pods have been manufactured and delivered aiding our clients to complete their residential schemes faster and more efficiently.

1

Fieldgate Street, London

- ◆ **SIZE:** 341 Bathroom Pods
- ◆ **CLIENT:** Chancerygate Asset Management
- ◆ **ARCHITECT:** Axis, Sheppard Robson



LSF Structure

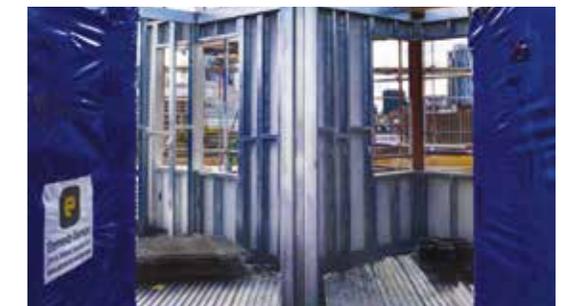
Elements Europe manufactured and installed 341 Bathroom Pods to a mixed use scheme comprising of both residential and student accommodation.

Mace was the main contractor delivering the scheme on behalf of Chancerygate Asset Management.

The £2.7 million project located in the heart of Central London near to Whitechapel saw Elements Europe use their LSF Structural system, to provide a complete light steel frame structure. As well as 341 structural Bathroom Pods, corridors, access and service risers were also provided.

The circular building extended to eight storeys, and posed several challenges such as a faceted front elevation, angled rooms and corner windows.

The LSF Structure system consists of structural Bathroom Pods that stack on top of each other providing a core for the LSF Façade to be tied into.





Seward Street

2

Seward Street, London

- ◆ **SIZE:** 167 Bathroom Pods
- ◆ **CLIENT:** Mount Anvil
- ◆ **ARCHITECT:** Formation Architects



Elements Europe manufactured and installed 167 Bathroom Pods as part of a residential scheme on Seward Street, Central London.

Mount Anvil was both the client and main contractor for the scheme and this was the fourth time Elements Europe had been chosen as their preferred supplier.

The six storey residential building was of very high specification. Bathroom Pods were manufactured with a premium look, in line with the client's detailed specification of quality fixtures and fittings in order to appeal to the higher end of the residential market.

The site gave numerous challenges with limited access and varying floor levels throughout the

building. Elements Europe worked closely with Mount Anvil to ensure such restrictions did not compromise the successful delivery of the scheme.

Elements Europe installed the Bathroom Pods over a 12 week program set out by the main contractor.





3

The Salvation Army, Camberwell, Coventry & Grimsby

- ◆ **SIZE:** 150 Bathroom Pods
- ◆ **CLIENT:** The Salvation Army
- ◆ **ARCHITECT:** Architects UW



Elements Europe was selected as the preferred Bathroom Pod supplier for three schemes on behalf of The Salvation Army.

The first scheme in Camberwell, East London saw Elements Europe manufacture and install 35 Bathroom Pods working alongside the main contractor Higgins Construction.

On the second scheme in Coventry, Elements Europe worked with main contractor Bowmer & Kirkland, to manufacture and install 80 Bathroom Pods.

The third project, located in Grimsby, saw Elements Europe work in collaboration with the main contractor Lindum, to manufacture and install a further 35 Bathroom Pods.

All of the Bathroom Pods were designed to be extremely robust, thus a great deal of attention went into the choice of materials. A solid grade compact door was chosen, as well as anti-ligature shower heads, and PVC was used as opposed to tiles. Energy efficiency was also of the utmost importance and for that reason low water usage systems were implemented.



Solopod



Dolwyddelan, North Wales

4

Dolwyddelan, North Wales

- ◆ **SIZE:** 4 Semi-Detached Houses
- ◆ **CLIENT:** Cymdeithas Tai Clwyd
- ◆ **ARCHITECT:** J-Ross Developments Ltd



Elements Europe manufactured and installed two pairs of semi-detached modular houses in the small village of Dolwyddelan in North Wales for Cymdeithas Tai Clwyd, a North Wales charitable Housing Association.

The homes were constructed using the Elements Europe T-Frame housing system, a sustainable system manufactured off-site using British timber.

The homes obtained Level 4 and above for the Code for Sustainable Homes, promoting high levels of energy efficiency within the properties.

The development was delivered as a turnkey solution by The Pickstock Group.

Elements Europe worked alongside its parent company Pickstock Construction who specialise in traditional methods of construction.





Grays, Essex & Tyssen St, North London

5

Grays & Tyssen St

- ◆ **SIZE:** 35 residential apartments
- ◆ **CLIENT:** Prime City Developments
- ◆ **ARCHITECT:** BN1 Architects & Open Architecture



Elements Europe has manufactured and installed light steel frame in stick format to two developments. The first a development of 35 apartments in Grays, Essex and the second, a development of 19 luxury apartments in Tyssen Street, North London.

Both have a concrete structure formed by the main contractor.

Using the light steel frame sticks, the main contractor formed external non-structural wall panels around the perimeter of the building into

the structural concrete frame.

Elements Europe's design team worked closely with the developments architects BN1 Architects and Open Architecture to bring the design and engineering of the system to manufacture.



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