



Commercial Energy Solutions

OFFSITE FABRICATION SOLUTIONS

LCA | LONDON
CONSTRUCTION
AWARDS 2019

**OFF-SITE INNOVATION
OF THE YEAR**

ALTERNATIVE HEAT LTD

WINNER

**SPECIALISTS IN PREFABRICATED
COMMERCIAL ENERGY SOLUTIONS**



ABOUT US.

With 16 Years of experience within the Commercial Offsite Fabrication Industry, Alternative Heat have established themselves as a market leader in this sector.

We offer a wide range of prefabricated offsite solutions for the commercial, industrial and residential markets, including:

- Packaged Plant Rooms
- Plant Skid Modules.
- Multi Service Modules
- MEPH Laterals & Riser Modules
- MEP Utility Cupboards.

With our Head Office located centrally between Dublin and Belfast, and Regional Offices located nationwide, we are ideally positioned to supply our full range of Prefabricated Commercial Energy Solutions throughout the UK and Ireland.

With state of the art production line fabrication facilities at our Head Office, where we employ a strong, established and experienced team of Design Engineers, CAD Technicians, Contracts Managers and Skilled Trades personnel, we offer an unrivalled design, fabrication, delivery and installation service for our bespoke prefabricated solutions.

CONTENTS.

03. ABOUT US

04. PACKAGED PLANT ROOMS

06. PLANT SKID MODULES

08. MULTI SERVICE MODULES

10. MEPH LATERAL AND RISER MODULES

12. MEP UTILITY CUPBOARDS

14. BUILDING INFORMATION MODELING (BIM)

16. CONTACT



Offsite Fabrication Solutions.

Packaged Plant Rooms.

PRODUCTS

We offer a complete range of bespoke, turnkey Packaged Plant Rooms for Commercial and Industrial applications with various types of plant including; Biomass, Gas, Oil, CHP or Heat Pumps.

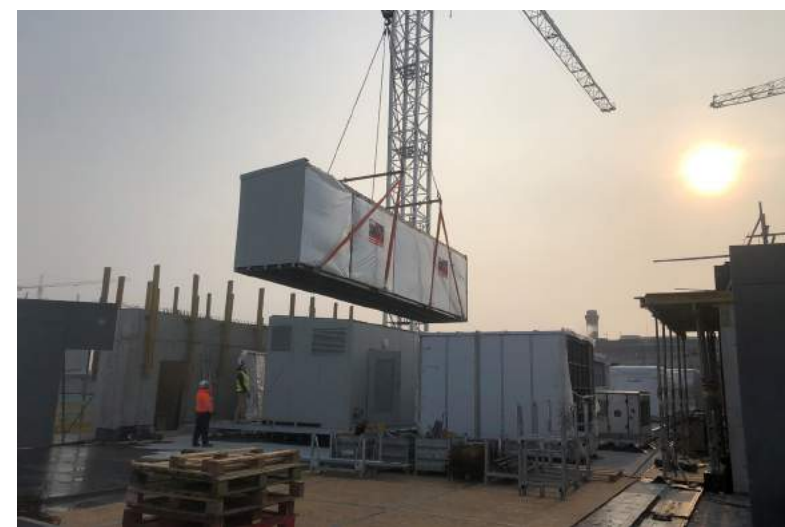


PACKAGED PLANT ROOMS.



Our Packaged Plant Rooms, designed and fabricated in-house, are delivered to site with all associated plant and M&E works, including BMS controls installed, offering a “plug-and-play” install and minimising disruption caused from on site works.

These Packaged Plant solutions also provide the client with the comfort of one point of contact, who will take full responsibility for the entire design and implementation of the heating system, including controls.



Plant Skid Modules.



PRODUCTS

We offer a wide range of skid mounted solutions, from skid mounted pumping stations to large scale full plant room skid solutions, constructed in modular form for ease of delivery and assembly on site.



PLANT SKID MODULES.



Our bespoke Plant Skid Modules come complete with anti-vibration mounting feet, all associated mechanical pipework c/w insulation, all electrical works c/w associated containment and with BMS controls fitted.

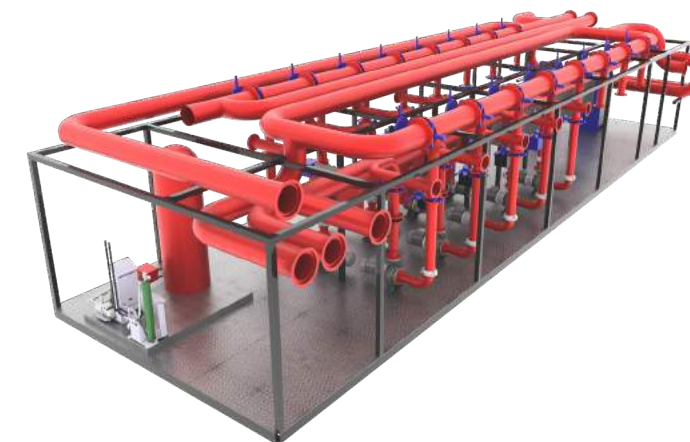
Our Plant Skid Modules offer a quicker, smarter and safer solution to conventional on site installation solutions. In-house design and fabrication of our Plant Skid Modules are fully BIM integrated, ensuring highest quality design and fabrication.



Multi Service Modules.

PRODUCTS

Access to plantrooms in inner city high rise buildings can be prohibitive, with plant rooms often located in the basement or on the rooftop of buildings, with limited or restricted access.



MULTI SERVICE MODULES.



Alternative Heat's Multi Service Module systems offer an ideal solution for laterals, risers and full plantroom fit-outs. Our in-house design teams develop detailed 3D REVIT layout design models, enabling design interrogation and approvals, prior to engagement of any fabrication works.

Once layout is finalised and approved, all associated pipework and bracketry is fabricated offsite in line with the approved fabrication drawings. Each module is QA checked during fabrication and FAT tested prior to delivery.



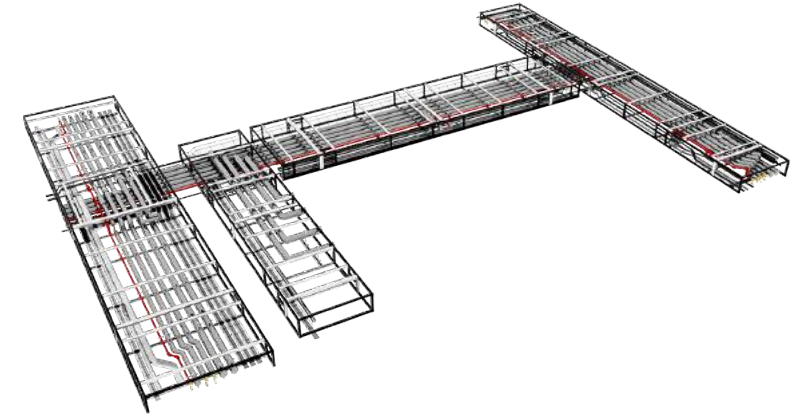
MEPH Lateral & Riser Modules



PRODUCTS

Our Prefabricated MEPH riser and lateral modules, designed and fabricated in modular form, offer an ideal solution for mid-high rise residential and commercial builds for mechanical, electrical and public health services.

Integrating with site wide BIM models, we fully design and coordinate the prefabricated MEPH services to enable continuous reviews, determining any clashing defects or design coordination issues prior to fabrication.



MEPH LATERAL & RISER MODULES



Full structural loading and lifting calculations are used to determine lifting and fixing points for each module, while detailed BIM coordination enables seamless onsite positioning and installation. Once installed, we fabricate spool pieces for connection between each module, prior to final testing on site.

Close integration with the structural sub-contractors allow for fixings for our modules to be pre-cast into the slab, or where the design allows, enables our modules to be delivered to site already fixed to the pre-cast slabs, helping to streamline build programme and ensure quality.



MEP Utility Cupboards.



PRODUCTS

Our MEP Utility Cupboards offer a complete prefabricated, packaged solution for the residential market.

Integration with the building's BIM model and inhouse BIM design enables cupboard standardisation and optimised cupboard design, maximising the benefits of a prefabricated solution.



MEP UTILITY CUPBOARDS.



By bringing all design, fabrication and fit-out services under one roof, in a controlled factory environment, we can guarantee quality, maximise manufacturing efficiencies and vastly reduce project programme.

Bespoke, standardised design for each individual project ensures optimised design to house all integral mechanical and electrical plant, in line with confirmed project specifications.

Once fabrication and fit-out is complete, each cupboard is pressure tested, dead tested and Factory Acceptance Tested before being prepared for dispatch to site.



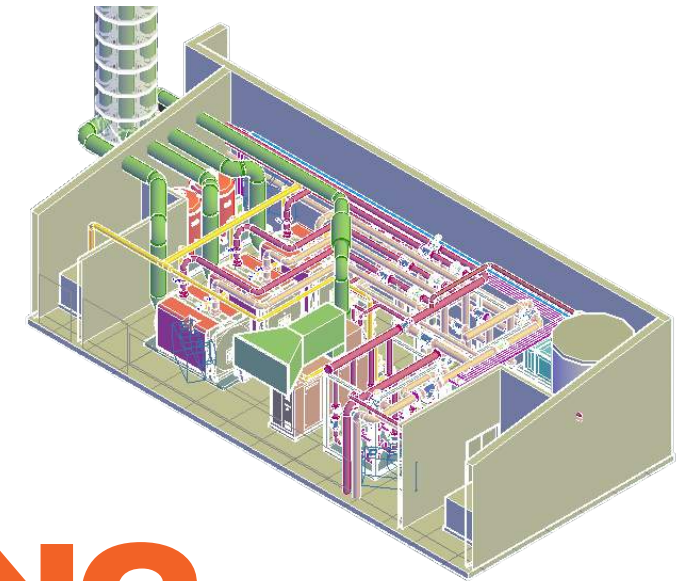
Building Information Modeling (BIM).



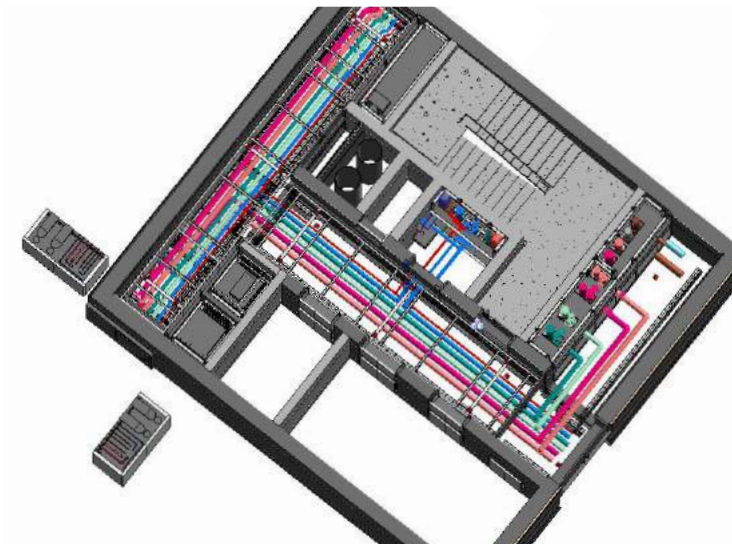
PRODUCTS

Utilising the latest in BIM software, our in-house team of CAD Technicians and Design Engineers integrate with building BIM models and produce a suite of project specific drawings to include 2D and 3D modules.

Drawings are shared through a project specific shared common data environment (CDE) for client review and approval, prior to fabrication.



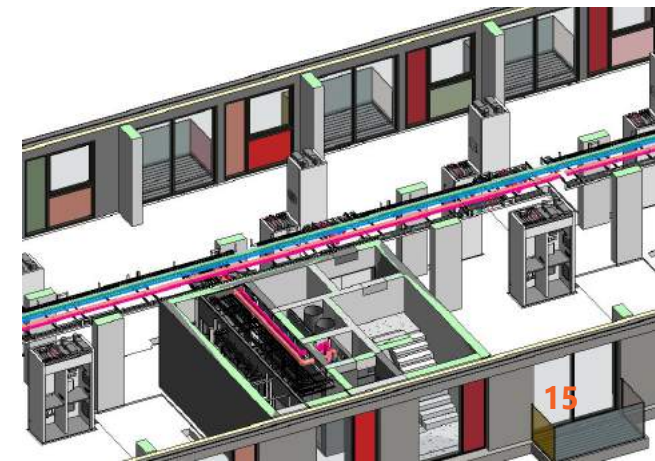
BUILDING INFORMATION MODELING (BIM).



Utilising the latest in CAD technology, we guarantee the same high quality standards for every project with BIM integrated in-house design

Design Capabilities include:

- BIM Level 2 compliance utilising REVIT/ MEP/ Navisworks
- Conceptual Design
- MEP Design
- Co-ordination
- Estimation
- Visualisation



OFFSITE FABRICATION SOLUTIONS.

HEAD OFFICE:

Unit 18-19 Scarva Road
Industrial Estate, Scarva Road,
Banbridge, Down, BT32 3QD

LONDON OFFICE

Pennine House Office, 5B,
28 Leman Street, E1 8ER

GLASGOW OFFICE:

Unit 6 Glasgow Airlink Industrial
Estate, Inchinnan Road, Paisley,
Glasgow, PA3 2AY

INVERNESS OFFICE:

36C Shore Street, Inverness,
IV1 1NF

REPUBLIC OF IRELAND OFFICE

3 Main Street, Mountrath,
Co. Laois, Ireland

www.alternativeheat.co.uk
info@alternativeheat.co.uk
+44 (0) 28 437 70700



Commercial Energy Solutions