

Legal & General Modular Homes





Our Vision

Making the housing market fairer for all

We make high-quality modular homes at speed and at scale by taking a fresh approach to design, using modern manufacturing techniques and nurturing multi-talented teams.

We buy and develop land, or partner with local authorities, councils and housing associations, building long-term relationships to make the housing market fairer for all. Our homes are comfortable to live in and energy efficient. The repeatability and precision of automotive and manufacturing techniques helps us lead the way in setting a new standard for the housebuilding industry.







Our Full Delivery Capability







Space Standards Our current design standards exceed National Space Standards, thus providing a good level of occupant density and comfort



Acoustics We ensure a good level of acoustic performance within the building and between party walls



Thermal Comfort We assess all of our schemes to ensure that a comfortable thermal environment will be achieved



Indoor Air Quality Our specification minimises the use of materials that will impact on indoor air quality



Daylighting Our homes have been designed to promote daylighting



Our homes can achieve an EPC Rating of A – and provide improvement over the performance levels set out in Part L of the Building Regulations



The Malden

- Two-bedroom, terraced or semidetached house
- Two spacious double bedrooms
- Large, modern family bathroom and downstairs WC
- Total Sq MTR / Sq FT 81m2 | 880ft2







Gĕneral

MODULAR HOMES

First Floor

The Enfield

- Three-bedroom, terraced or semidetached house
- Two spacious double bedrooms and third single bedroom
- Large, modern family bathroom and downstairs WC
- Total Sq MTR / Sq FT 105m2 | 1132ft2







Ground Floor

First Floor









Apartments

- Flexible apartments suitable for up to four occupants.
- Available in one- and two-bedroom layouts
- Option of a master en-suite in the alternative two-bedroom layout.



• 1 bed: Total - Sq MTR / Sq FT 54m2 | 591ft2

• 2 bed: Total - Sq MTR / Sq FT 73m2 | 795ft2











Production



Production

We assemble our homes in controlled conditions

Our factory can produce around 3,500 per year at its peak. We have quality checkpoints at every stage of the process to make sure our homes conform to our design and building controls.

Once our structure is finished, we then insulate it and fit:

- internal walls and floor coverings
- surface finishes
- plumbing and sanitary ware
- electrical circuits and sockets
- kitchen and bathroom units and fittings.





Quality Management System

L&G Modular Homes comply with the requirements of ISO9001:2015 & BOPAS as inputs into the QMS. In order to maintain these standards, periodic 3rd Party Audits are conducted by BSI (for ISO9001) & Lloyds Register (BOPAS).













5 Stages of Built in Quality



- 1. Design FMEA identifies all potential risks and failure modes
- 2. Design characteristics and specifications formally approved and flowed down
- 3. Critical to Quality requirements (CTQ's) define and shape clear acceptance standards as the flow down of the design requirements
- 4. Process FMEA ensures that the build process is adequately defined with identification of all potential process failure modes
- 5. Control plans through build books define build process validation methods that ensure the design specifications and characteristics are met, closing the loop on DFMEA



Design Characteristics

LGMH ensure that design characteristics and specifications derived from the Building Regulations, NHBC Standards, BOPAS & ISO Standards are documented and flowed down through the use of:

- Drawings
- Work Instructions (WES's)
- Quality Acceptance Standards (QAS)





Build Book & Inspection Records

In process inspections occur at various stages of product manufacture by an independent team of Quality Inspectors.

As the build progresses, records of these inspections are maintained at every stage in Module Inspection Record books.



Structured Approach to Problem solving



.

All Frontline Production staff will use the above PDCA model to identify and correct defects in 'real-time'.

Representatives from Quality, Production and ME will use the above six stage approach to Root Cause Problem Solving to eliminate repeat issues.



Construction





Construction Delivery

- 1. Foundations
- 2. Install Connections
- 3. Facade Treatment
- 4. Insulation / Tie to Modules
- 5. Roof
- 6. External Works



MMC Construction Phases



NHBC Stage Sign Off





MMC Key Stage Inspections

After a stage of works has been completed the subcontractor supervisor has to inspect to the quality acceptance standards and that the work area has been cleaned.

Once this has been completed, the Site Manager shall carry out a joint formal inspection to laid down quality acceptance criteria. When all works meet the acceptance standards set out by LGMH the works are signed off for payment.



- ✓ Drainage Test
- ✓ Wall / Floor Tiling

Do

Check













Structured Approach to Problem solving



All Frontline Production & Construction Teams to use the above PDCA model to identify and correct defects in 'real-time'.

Representatives from Quality, Production, MMC Construction and ME teams to use the above six stage approach to Root Cause Problem Solving to eliminate repeat issues.



Sustainability



Our Sustainability Framework



Be Economically Useful



Add value to the UK Economy



Provide Employment



Invest in Skills and Knowledge



Integrate and Innovate



Supply Chain

Reduce our Environmental Load

Manage our Impacts

- Sustainable Resource Management
- Enhance Biodiversity
- Sustainable Transport



Deliver Social Value



Sustainability & Net Zero

- All dwellings energy A rated
- Highly insulated
- Air source heat pump for heating and hot water
- Photo voltaic panels
- Heat recovery ventilation with apartments
- Low energy lighting
- Reduced running costs for residents
- Reduced carbon emissions











Our People



Our People

A key pillar of our disruptive approach to Modern Methods of Construction involves the development of our people, creating new capacity in an industry which has under invested in skills for some considerable time.

401 Team members 8 Apprentices









Developments

Selby Portholme Road





102 HOMES

323 MODULES



Bristol Bonnington Walk









560MODULES









153
HOMES
450
MODULES