New Build, Commercial & Refurbishment Solutions
InBuild is a family-owned business, established in 1966 under the original name of Essex Insulation, by the Wray family. As a leading Energy and Building Solutions company, InBuild is at the forefront of innovation within the new build, commercial and refurbishment sectors.

We offer a unique range of products and services, providing a ‘One Stop Shop’ for energy and sustainability solutions.

As a result of our ‘progress through people’ ethos we pride ourselves in creating opportunities for training and development within our Company. This is in order to build a skilled workforce with a long term commitment to achieving our objectives and upholding our core values.

Despite significant growth over the years, we have maintained our core values throughout the development process and this has assisted our transition into a number of diverse markets.

Simon Wray
Managing Director
Mission, Vision & Core Values

Core Values

**Build Relationships**
We aim to fully understand the needs and objectives of our customers by building lasting relationships through communication, loyalty, trust and commitment.

**Offer Value**
We always strive to offer best value through efficient purchasing and stock management and by developing long-term partnerships with our suppliers.

**Find Solutions**
Looking for innovative ways to achieve cost-effective, energy efficient solutions for our clients demonstrates our dedication to the success of their projects.

**Take Responsibility**
We take great pride in our exceptional Health and Safety record and in our commitment to achieving compliance. Sustainability is also a key focus to guarantee our contribution to building a low carbon, sustainable future.

**Provide Opportunity**
We offer opportunities to the people in our business to undertake training and to work across different departments to give them a broad knowledge and skill base. Investing in people encourages them to embrace the company ethos and to take lasting ownership of their role.

“Our mission is to build a sustainable future for all. Our goal is to be the leading provider of energy efficiency technologies into the living and working environment. By focusing on technical excellence, quality workmanship and exceptional customer service we will be the partner of choice to those who share our vision.”
InBuild's multi-disciplined Contracting Division offers a full installation service with a significant focus on providing cost-effective solutions combined with technical expertise and excellent customer service.

**Insulation & Fire Barrier**

We use a highly skilled, specialist workforce to install blown cavity wall insulation and loft insulation. We fix insulation to slopes, internal studwork walls and all types of timber frame constructions; we also construct fire curtains and smoke barriers.

It is vitally important to identify the most effective insulation solution for every application, and it’s even more important to install it correctly. All modern insulation has to perform a function in maintaining air flow and reducing heat loss and is subject to a series of building regulations which are updated on an ongoing basis. The performance of the insulation may be compromised if it is installed incorrectly by inexperienced operatives.
Dry Lining & Plastering

We work on commercial house building and refurbishment projects that require expert dry lining and plastering finishes.

Dry lining has grown in popularity and most new and modern housing constructions use this method. Compared to traditional wet plastering, it is much cleaner and quicker to apply. Dry lining involves fixing plasterboard to different surfaces, such as timber, metal and masonry.

We offer a full range of boards for dry lining to suit all applications:

- **Acoustic Boarding** – can assist with sound-proofing
- **Moisture Resistant Boarding** – can be used in areas where moisture needs to be controlled
- **Fire Resistant Boarding** – can be used to meet fire retardant regulations

Our plastering teams can skim over the entire surface to create a smooth finish, ready for decoration.

Case Study

**Insulation & Dry Lining, Howe Green**

InBuild was contracted to insulate the sloping rafters in the loft space and the vaulted ceilings in two of the bedrooms and the dining area of a large new build property.

Our Estimating Team was able to adapt the specification to use an alternative product that still achieved the required U-Values but reduced the overall cost. We also adapted the method applied to the exposed steel beams to give a more aesthetically pleasing finish.

The vaulted ceilings were insulated with 100mm Ecotherm and finished with a layer of 82.5mm Ecoliner (an insulated plasterboard). The client was delighted that despite the challenges of a sloping ceiling and a full height, oak-framed window, the finish was exceptionally neat and precise.
InBuild specialises in all external render, through-colour render and insulated render systems. Whatever the type of construction or location of the site, we have the expertise to provide a high quality, waterproof render that is effective and durable.

External Wall Insulation is suitable for all new build structures including timber frame, steel and traditional construction and offers the following benefits:

- Excellent thermal performance
- Fire resistance – classified Class O as defined in Building Regulations
- Improved acoustic performance
- No risk of condensation as dew point occurs on the outside of the system
- Thermally efficient, fire-resistant and environmentally friendly systems
- Extensive range of decorative finishes and effects available
- Unlimited colour choice
- Suitable for both low rise and high rise developments
- Company and insurance-backed guarantees
- BBA accredited systems

Years of experience have enabled us to develop relationships with all the major system designers and manufacturers so we can offer a full range according to your specification.
System built housing played an important part in the regeneration of the post-war property market in the UK. However, after several decades, many of these properties desperately need improvement both aesthetically and in terms of thermal performance. External wall insulation provides bespoke solutions for housing types such as Airey, BISF, Reema and Cornish. It allows these properties to achieve excellent levels of energy efficiency whilst dramatically improving their appearance and more importantly, extending their life way beyond their design expectations.

InBuild works closely with external wall insulation designers and manufacturers, and with structural engineers, to produce practical and affordable solutions for system built houses.

Case Study

ReallySmartHouse Scheme

The objective of the ReallySmartHouse scheme in Southend-on-Sea was to improve the energy efficiency of council homes. It was jointly funded by Southend-on-Sea Borough Council and the European Regional Development Fund (ERDF) for the Eastern Region.

InBuild insulated a number of British Iron & Steel Federation Houses (BISF) as part of the project. External wall insulation was applied with a reinforcing steel cage to give the properties added stability and to lengthen their lifespan. There were also ten under-insulated bungalows in Southend that were transformed into highly efficient ‘Smart Homes’. The construction of the bungalows meant that there were high levels of heat loss, but installing external wall insulation significantly improved their thermal efficiency.
Insulating Concrete Formwork

Insulating Concrete Formwork (ICF) is a recognised Modern Method of Construction; it is an insulated in-situ concrete system of building that is quick to construct and offers high performance levels. Building with ICF dramatically reduces the time and cost of construction and offers huge advantages in terms of energy saving, thermal efficiency, fire safety and acoustic performance.

- Finished wall U-values between 0.19 – 0.11W/m² K
- Rapid erection speed – typically 8m²/hr per installer
- BRE assessed green guide A+ rating
- Build all year round – unlike timber frame or brick/block
- Easily meets party wall sound requirements
- Air infiltration measured as low as 0.74m³/m²/hr @50pa

ICF is based on strong, hollow lightweight block components made from flame retardant Expanded Polystyrene (EPS). These blocks lock together without intermediate bedding materials, such as mortar, to provide a formwork system into which concrete is poured. This system gives the designer complete flexibility and allows the use of curves, arches, intricate patterns and a wide variety of finishes. An ICF building can look like any other by adding brick slip systems, timber cladding, render or commercial cladding systems.

ICF has been used in the construction industry for more than 50 years mainly in the self-build markets and particularly in the USA. The ICF Tech system that we use has been designed specifically for the UK market, complying with Building Regulations and British Standards.
InBuild installs a full range of heating and plumbing solutions for commercial, new build and public sector projects. Whether it’s installing designer bathrooms to a single bespoke property, upgrading boilers as part of a social housing project or providing a full heating and plumbing package to 300 new build properties, InBuild can help.

We have extensive knowledge of plumbing and heating systems and design and we will meet or exceed NHBC and Building Regulation standards. We provide installation, commissioning and servicing of all heating systems installed by our highly qualified Gas Safe Registered Engineers.

We pride ourselves on professional workmanship, reliability, excellent health and safety compliance and an ability to meet deadlines. Each project has a dedicated site supervisor to provide continuity, attention to detail and a direct means of communication, all of which facilitate efficiency.

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The Government has set targets for new build housing to be zero carbon from 2016. As a result, housebuilders are looking for ways to deliver new housing projects to increasing levels of energy efficiency.

InBuild can specify and install cost effective renewable energy systems that will meet or exceed current energy saving requirements. Our expertise in this field means that we can offer a range of alternative solutions to suit individual projects.

**Renewable Energy**

| Solar PV |
| Solar Thermal |
| Air Source Heat Pumps |
| Ground Source Heat Pumps |

**Case Study**

**Green Energy Systems, Surbiton**

Situated within the Southborough Conservation Area, two contemporary new homes were constructed featuring the most up to date Green Energy Systems.

The development was Code Level 4 compliant in accordance with the requirements of The Code For Sustainable Homes and benefited from a renewable energy source through the installation of an air source heat pump.

InBuild installed a gas fired heating system plus Air Source Heat Pump with under floor heating and mains pressure hot water storage to both properties.
We have highly trained Estimating and Site Support teams who are able to offer impartial advice on a number of energy efficiency, acoustic, fire protection, heating and renewable energy solutions.

Our new build contracting department is an approved sub-contractor to most of the UK’s major Housing Developers and Commercial Contractors. Our clients include Bellway Homes, Persimmon Homes, Berkeley Homes, the Costain Group and Lovell Partnerships.

Additionally, our in-house Technical department is able to assist with advice on Building regulations, SAP and U-Value calculations to assist our clients in delivering their carbon reduction, energy saving or thermal upgrade obligations.

We have a dedicated Customer Support team employed within our business to ensure that our contracts run smoothly. Finally, we take great pride in our exceptional Health & Safety record and in our excellent quality standards, giving our clients complete confidence and peace of mind.

- Insulation
- Fire Barrier
- Heating and Plumbing
- Renewables
- Sustainable Construction Systems
InBuild works in partnership with Local Authorities and Housing Associations to help them meet their carbon reduction targets in the most cost effective way and to assist them in building a low carbon, sustainable future for their local area.

Partnership and support is offered at various stages in the process to suit the needs of the client.

**Stage 1**

**Survey & Assessment**
In some cases, the starting point for a carbon reduction plan is an assessment of the existing housing stock and this can be done at different levels.

**House Condition Survey** – this will assess the building fabric plus internal energy efficiency components of the property

**Energy Efficiency (non-intrusive) EPC survey** - following a House Condition Survey, this will help to measure a property’s energy efficiency and produce a SAP rating

**Energy Efficiency (intrusive) EPC plus Occupancy Assessment** – this is more personal to the occupants and will identify actual energy usage in a particular property. It will produce a detailed report on a package of appropriate energy saving measures with behavioural advice on free and low cost ways to reduce energy use in the property.

**Stage 2**

**Strategy Development**
Based on the results of any assessments, and in consultation with the Housing Provider Partner, InBuild will suggest strategies for improving energy efficiency and carbon reduction, alleviating fuel poverty and developing renewable energy solutions.

**Stage 3**

**Funding Advice**
Once a strategy has been agreed that meets the needs and objectives of the Housing Provider Partner, InBuild will investigate potential funding streams and provide a detailed quotation together with projected energy savings and payback periods.

**Stage 4**

**Community Liaison**
It is vital to communicate the strategy, and the reasons behind it, to the local community in an effective and transparent manner. Tenants need to understand exactly which measures are being installed, how this will be done, what they can expect to happen as a result and most importantly, what their responsibilities will be to achieve the maximum advantage from the improvements. InBuild has a wealth of experience to draw from in this respect and can ensure that community liaison is dealt with appropriately and effectively throughout the whole process.

**Stage 5**

**Implementation**
Often starting with a pilot scheme of just a few properties, InBuild will arrange the installation of the energy saving measures identified and agreed upon as being the most effective. Health and Safety compliance, and adherence to strict quality standards are of paramount importance. Regular communication will ensure that all parties, including the tenants, are aware of and understand the programme of works and the outcomes achieved as a result.
Case Study

Park Homes

InBuild has been insulating Park Homes for several years. Having recognised a need to improve the poor thermal performance of Park Homes, the Company has worked with system designers to find an external wall insulation solution that keeps disruption to a minimum.

InBuild worked on a project with Horsham District Council as part of a trial solid wall initiative with DECC and NEA. We developed a bespoke solution which satisfied OFGEM criteria and enabled over 80 Park Homes to be retrofitted with solid wall energy efficiency measures.

Ken & Daphne Peters had their home externally insulated by InBuild. They said:

“\nWe have noticed quite a difference... we do not leave the heating on at night but find the rooms keep warm and cosy. Also not having to worry about outside decorating is a great relief.\n”

80

Park Homes retrofitted with solid wall energy efficiency measures for Horsham District Council
Case Study

Radian

Radian is an award winning Social Residential Landlord, providing 21,000 affordable homes across eight counties. As part of its objective to profoundly improve people’s lives now and in the future, Radian is committed to energy saving and sustainability.

InBuild installed External wall insulation to five properties that were identified as being in desperate need of improvement. The houses were post-war, system built with a non-traditional concrete construction. The residents were cold and their homes were suffering from condensation and rising fuel bills.

Jeremy Wood, Radian’s Sustainability and Innovations Manager, looked at some of InBuild’s previous installations and was impressed by the quality of workmanship and attention to detail. Customer Service was another important consideration in selecting a contractor in order to make the process as smooth as possible for the residents. In addition, InBuild was able to provide access to good levels of funding through its partnerships with industry specialists and funding providers.

The residents are delighted with the results and Radian has already recorded significant savings in their heating bills. Jeremy Wood, Sustainability Manager at Radian commented:

“Radian strives to deliver excellent local housing and support services to create strong and sustainable communities where people flourish. Excellent customer service and quality of workmanship were key drivers in our decision to appoint InBuild to install EWI on our properties, the benefits of which will be appreciated by our residents for many years to come.”
InBuild has significant experience in providing grant funded solutions for domestic householders, contractors, local authorities and housing associations.

Over the years, we have installed hundreds of thousands of energy efficiency measures via a number of government sponsored schemes such as EEC, CERT, CESP, Warmfront, Decent Homes, ECO and Green Deal.

We continue to be heavily involved with the development of funded schemes through our relationship with the National Insulation Association and with key stakeholders.

We can also offer support in identifying alternative funding streams through local, national or European energy efficiency schemes.

InBuild has installed over 200,000 energy efficiency measures

In the last 5 years, InBuild has accessed around £25 million of funding
InBuild is one of the largest independent material suppliers in the South East. We offer a wide range of building fabric solutions which are available from our 50,000 sq ft warehouse.

We have a fleet of distribution vehicles including two 26 ton lorries with a truck mounted Moffett forklift for greater safety and productivity. The forklift’s outstanding manoeuvrability allows us to deliver quickly and efficiently even where access is tight or the ground is rough.

As a family owned business, established in 1966, InBuild has earned a reputation for offering high standards of customer care combined with an efficient and reliable delivery service. We have developed close links with manufacturers which enable us to stay at the forefront of technology and we continuously review our range of products to ensure that we are offering our customers the best products at the most competitive prices.

- Acoustic, thermal & fire resistant solutions
- Drylining & partitioning systems
- Velux roof windows
- Vapour barriers & DPC
- Cavity & brickwork sundries
- Groundwork solutions
- Breather membranes & felts
- Vents, tapes & fixings
- Insulating Concrete Formwork (ICF)

Our delivery fleet consists of 10 vehicles so you can be sure your materials will be dispatched and with you on time.
Our Trade Shop is open from Monday to Friday. Insulation and building ancillary products are available for collection, along with Personal Protective Equipment, workwear and small tools.
Guarantees, Insurance & Accreditations

InBuild offers manufacturer guarantees and/or insurance backed workmanship guarantees which vary according to the product or service. Please ask for further details about the particular product you are interested in.

InBuild carries £10 million Public Liability Insurance.

We have Public Liability Insurance worth £10 million.
InBuild has been a household name in the local area for around 50 years. We always encourage our employees to support and participate in community activities, in order to give something back to the community that supports us.

We are completely committed to recruiting Apprentices and to creating employment opportunities within our community. We provide our employees with comprehensive training and experience in many aspects of the business to give them an all-round understanding and to enhance their professional and personal development.

InBuild is the proud sponsor of Silver End Youth Football Club – Under 11s. Formed in October 1997, this Essex club is friendly and approachable and endeavours to provide excellent standards of coaching and management. The focus for the under 11s is on enjoying football and actively playing a part in a team that respects and encourages them.