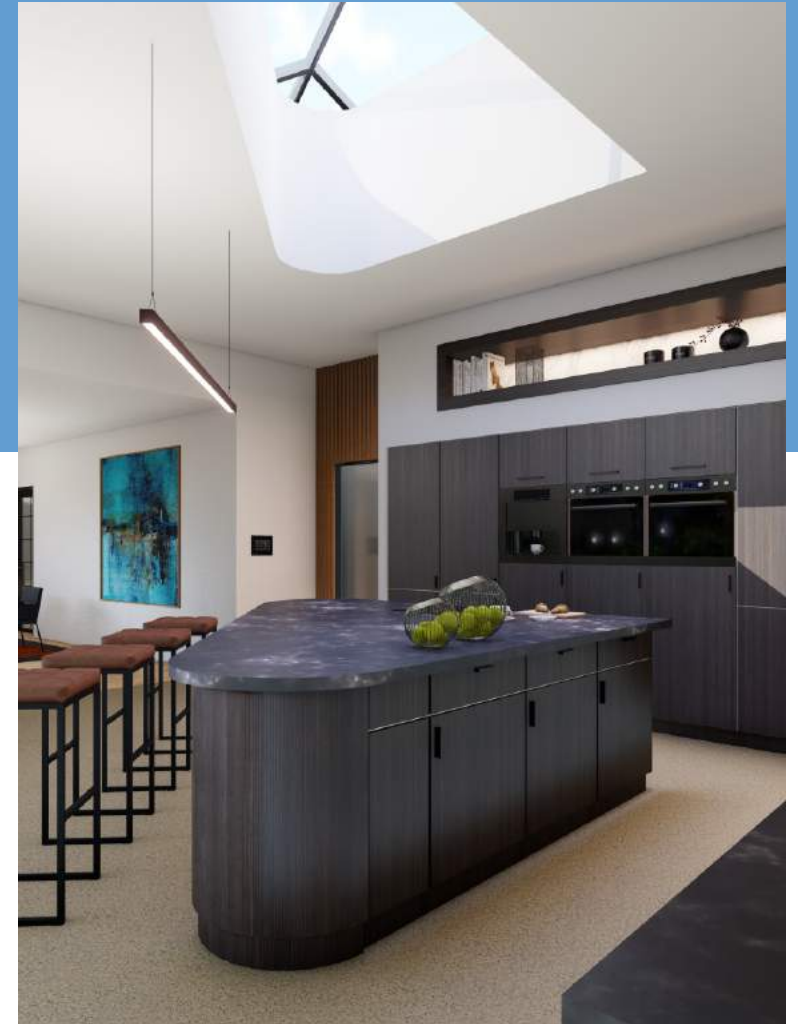


OUR PORTFOLIO





RESIDENTIAL EXTENSION

LOCATION: Kilkenny

DESIGN: Residential retrofit to nZEB standards with contemporary new build extension.

BUILD: CLT – Cross Laminated Timber structure combined with super insulated ground floor slabs and external natural insulation to achieve Passivehaus performance standards.



MEDICAL / DENTAL

LOCATION: Kilkenny + Carlow

DESIGN; Orthodontic + Dental surgeries with ancillary residential and office accommodation.

BUILD: Masonry and steel frame, high performance windows and doors, highly insulated and airtight building fabric with air and ground source heat pumps and renewable energy systems.





RESIDENTIAL

LOCATION: South East of Ireland

DESIGN: Contemporary design solutions creating new build and extension/renovations to provide healthy and comfortable energy efficient homes.

BUILD: Off site prefabricated timber frame building shells with both contemporary and traditional finishes and incorporating the most up to date renewable energy systems.



MULTIPLE RESIDENTIAL

LOCATION: UK

DESIGN: Contemporary designs to provide mixed residential accommodation in an urban coastal location providing the highest energy efficiency and quality finishes.

BUILD: Prefabricated timber frame and precast concrete to provide a fast-building shell program and allow follow on services to operate in a weathertight shell. The development incorporates the latest in sustainable and passive energy systems.



PASSIVE RESIDENTIAL

LOCATION: Kilkenny

DESIGN: A multi generational family home providing comfortable and healthy family living taking maximum advantages of the semi rural setting and the south orientation.

BUILD: Prefabricated timber frame with high performance windows and doors, including solar and ASHP to provide an energy efficient internal environment within a complex building form.



NEW-BUILD RESIDENTIAL

LOCATION: County Kilkenny

DESIGN: A family home providing passive standard building performance and providing views of the surrounding countryside from various locations within the building on this elevated site.

BUILD: CLT – Cross Laminated Timber structure combined with super insulated ground floor slabs and external natural insulation to achieve Passivehaus performance standards.

OUR METHOD

TECHNOLOGY

LE+Passive is dedicated in incorporating the latest technology and software in our design process. Building Information Modelling (BIM) technology is at the core of the LE+Passive practice work process. We utilise virtual building modelling in all stages of the project to facilitate interaction of all design services and optimise efficiencies in delivery of construction technologies and building energy performance while providing realistic visualisation of the building to the client and the design & build teams.

SUSTAINABILITY

Sustainable design is at the heart of everything we do. We are dedicated to creating environmentally conscious spaces that provide comfort while also minimising the loads that renewables are required to provide. Our head architect boasts over 25+ years of experience with a strong in depth knowledge of the Irish and UK Planning and Building Regulations, Passiv Haus, Super E, LEED and UK CfSH, long term research and development of 'off site' construction techniques as well as in the low energy and sustainability sector applying both Passive House, Super E and equivalent national performance standards

CONSTRUCTION

We have engaged in extensive research and technology development in the MMC [modern methods of construction] and 'off site' prefabrication sectors, working with Irish, European and Canadian research and development organisations. Our research work includes prefabricated low carbon insulating concrete, timber frame and modular construction techniques. Our technology research focuses on improving building performance, minimising embodied carbon and building waste, ensuring site accuracy and quality in the build process and facilitating labour skill training to adopt the new construction technologies.

