

ICB Projects



creating sustainable, safe & smart roof environments

green & blue roofs, solar PV, Tesla Powerwall, roof safety, rooflights, fabrications

WHY ICB (PROJECTS) LTD?

We combine our expertise in flat roofing with in-depth knowledge of our ancillary systems to provide the client with the right solution for their particular project. Our staff are fully qualified and trained to provide a complete solution, from design to installation and final commissioning.

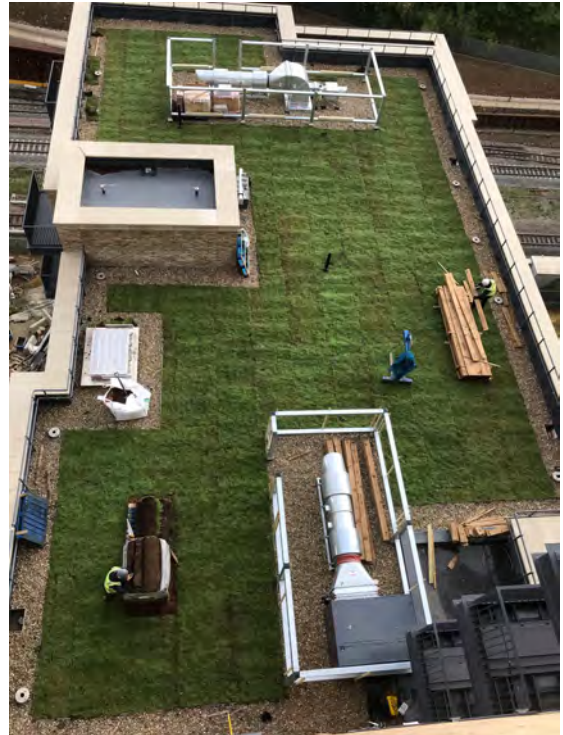
We're suppliers to Main Contractors, Roofing Contractors, M&E Contractors, Developers & Building Owners, helping them realise their project vision with a solution that satisfies even the most challenging briefs.

For your assurance, we're ISO accredited for Quality, Environment and Health & Safety.

You can rely on our knowledge and expertise. ICB Projects is a member of the ICB Group of Companies who include one of the UK's leading suppliers of sustainable, award-winning roofing solutions to the construction industry for over 35 years.

As a group and as individuals we've developed an enviable reputation for delivering quality, reliability and technical excellence.

Our accreditations include:





ROOF SAFETY



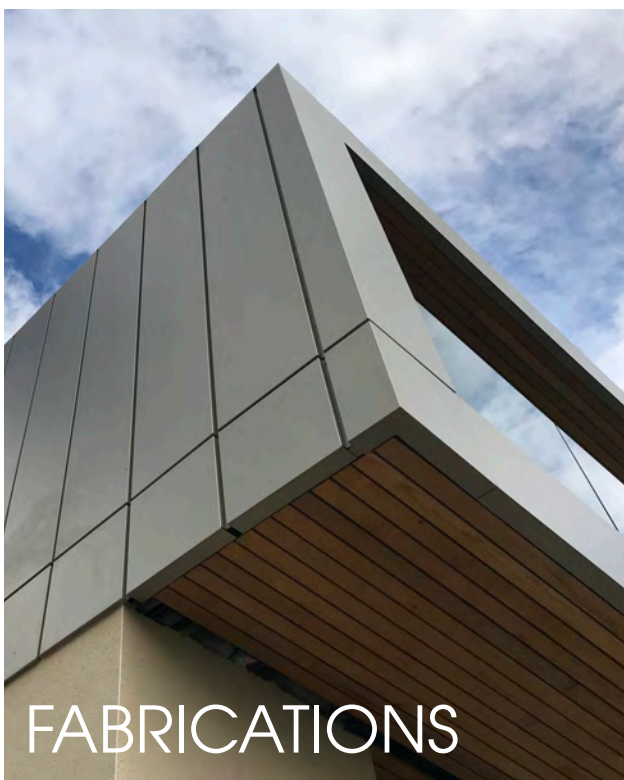
ROOFLIGHTS



GREEN ROOFS



BATTERY STORAGE



FABRICATIONS



SOLAR PV

INTRODUCING ICB SOLAR SOLUTIONS

ICB (Projects) Ltd is a Microgeneration Certification Scheme (MCS) approved installer of Solar PV systems and member of the Renewable Energy Association.

The Company carried out its first Solar PV installation in 2004.

Since then we have gained experience with many different types of Solar PV systems, and become specialists in thin film PV, forming strong partnerships with several manufacturers from all over the world. This enables us to offer the technical support and logistical expertise required for all sizes of installation.

ICB Projects technical staff are dedicated, experienced, and qualified renewable energy engineers. Not being limited to a single panel manufacturer or technology allows us to create bespoke designs for each project.

We are fully qualified to handle the complete Design, Supply, Installation and Commissioning of the Solar PV system.



Every ICB installation is Microgeneration Certification Scheme (MCS) approved to ensure that building owners gain maximum benefit from new Government Tariffs. ICB are members of the Solar Trade Association (STA) and the REAL assurance scheme.

The company has developed an enviable reputation for supplying and installing quality products, reliability and technical excellence - a market leader setting the pace for the rest of the industry.



THE ICB - SOLAFIX **FIXING** SYSTEM

The ultra-light ICB - SOLAFIX fixing system makes it possible to attach solar panels onto the roof without the need for extra ballast or perforation of the roofing membrane. The development of the system has taken into account the abilities of EVA & PVC roofing membranes to have compatible elements hot air welded directly to them. The method will allow a variety of different solar panels to be installed quickly and cost effectively.

ICB - SOLAFIX as a base for photovoltaic panels

The ICB - SOLAFIX system functions here as a base for the attachment of an aluminium sub-structure. The aluminium framework provides the most efficient angle relative to the sun for the PV-panel. The only additional weight that needs to be taken into account is that of the aluminium support structure and the solar panels.

Independently Tested

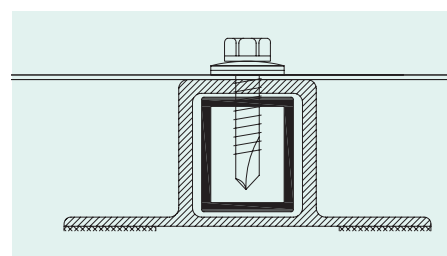
The ICB - SOLAFIX system has been extensively and independently tested by Southampton University in their Wind Tunnel facilities.

The system, without the need for additional fixings or ballast, was shown to be able to withstand storm level events in excess of 76 mph, which was the limit of the testing facility.

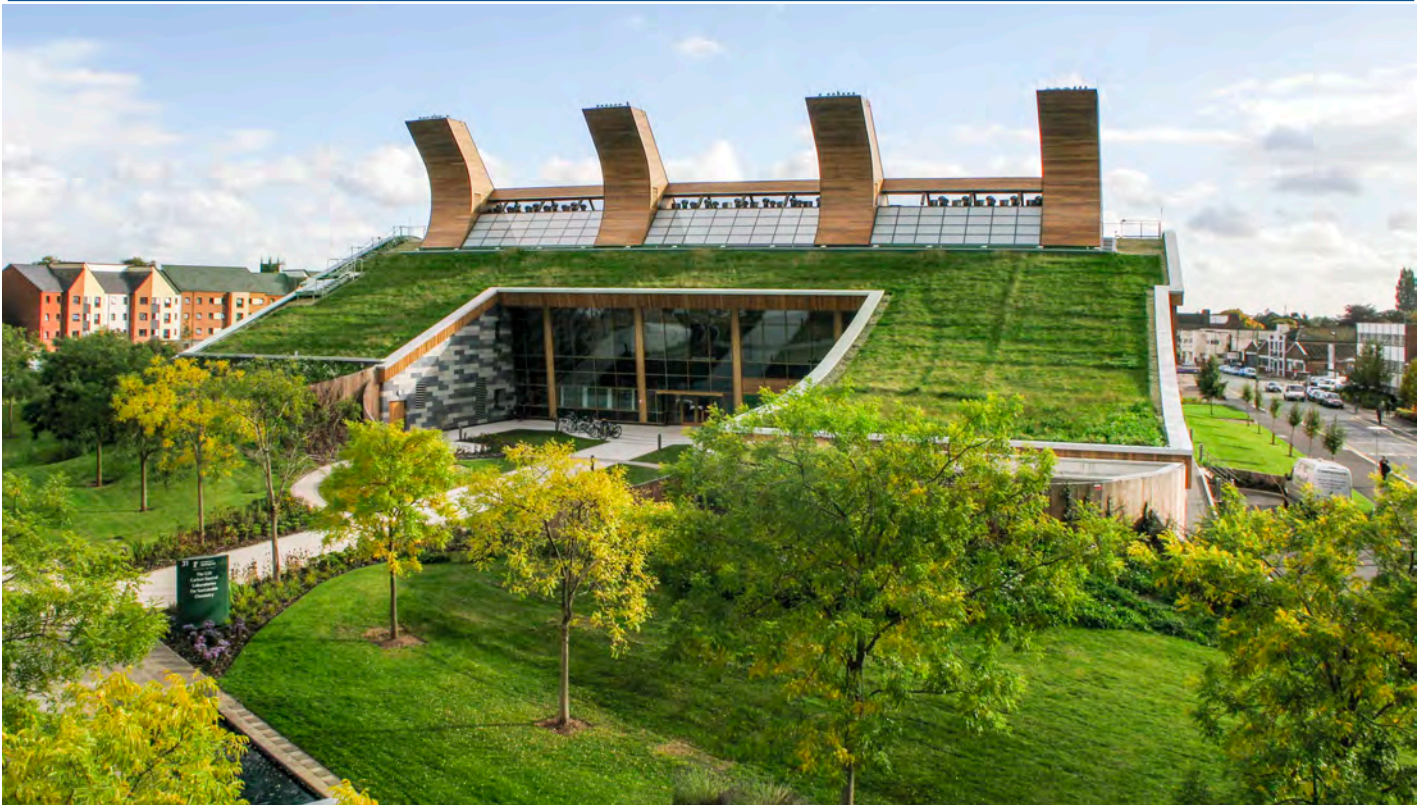
Wind uplift tests are always carried out for each site and appropriate recommendations made based on the findings.

The advantages of the ICB - SOLAFIX system:

- **Lightweight:** Depending on the choice of the solar panels and the aluminium construction, minimal extra weight
- **No penetration of the roofing membrane**
- **Fast, simple and safe installation**
- **Maintenance and repair of solar panels made simple**
- **Solar panels or amorphous solar cells on continuous supports can be fastened directly onto the ICB - SOLAFIX system**
- **The ICB - SOLAFIX system can be used on existing or new EVA roofing membranes.**
(Please check with the technical department of ICB to confirm if the existing roof satisfies the criteria for installing the ICB - SOLAFIX system)



THE ICB EVAGREEN SYSTEM



GREEN & BLUE ROOFS

We supply all of the materials needed for a wide variety of green roofs and work with specialist partners to offer the full installation anywhere in the UK.

Our technical services include advice on:

Choice of green roof type:

1. Extensive - Low maintenance
2. Semi-Intensive - Plants/Shrubs/Turf
3. Intensive - More elaborate planting, gardening right up to tree installation
4. Brown - Generally considered to be the most environmentally friendly installation as it utilises local materials and to a large degree, simply lets nature take its course.
5. EVABLU- Blue Roof to retain stormwater helping alleviate flooding & assisting in meeting SUDS requirements.

Design considerations:

- Weight loading
- Rainwater retention
- Drainage
- Waterproofing and root resistance
- Wind protection
- Irrigation requirements
- Detailing including production of drawings



WHY GO GREEN?

- The aesthetic appeal of a green roof – blending in with the surrounding landscape and improving the appearance of industrial or commercial buildings.
- Long life expectancy of the roof. The green roof system literally protects the single ply membrane, and with a little maintenance will still look and perform like new even after decades.
- An attractive, extended living space – not just an ordinary industrial or commercial roof – plants, trees, birds and small animals can make it their home too.
- Reduction of thermal shock to the building, its roof and substrate. UV radiation largely absorbed by the green roof system.
- Excellent insulant – therefore less energy consumed. A green roof will act as a highly effective way to insulate a building.
- Better living environment for those in the building – access to a roof garden or sun terrace, proven investment in price of property.
- Dust and nutrient filtration system for the atmosphere. Natural carbon dioxide absorption and removal system.
- Improvement of micro-climate.
- Noise reduction. The system acts as an ideal acoustic insulant – more effective than many man-made materials.
- Better absorption and slow release of rain water will help to balance water tables in highly developed areas or areas prone to flooding.

The momentum to specify 'green' is now growing in the UK with building owners looking to be environmentally friendly and architects keen to provide a 'green' design edge to industrial and commercial projects.

ICB's EvaGreen roof system is backed up by full technical and design resources even down to assistance with choice of planting if required. The system has been carefully developed to give a quality installation that the building owner can be proud of.



ROOF EDGE PROTECTION

For complete safety and superior aesthetics, ICB (Projects) Ltd offers technical, design and installation services for permanent roof edge protection solutions. These can be fixed, freestanding and if desired, with folding guardrails to provide the ultimate in roof safety.



BARRIAL

- Lightweight and easy to install
- For any flat roof or appropriate pitched roofs
- Available in:
 - both freestanding and fixed options
 - angled, curved or folding options
- Total safety and a superior appearance
- Manufactured in the full range of RAL colours



LIFELINE SYSTEMS

If guardrails are not a feasible option for your project: our lifeline systems offer absolute safety. With a horizontal lifeline system, a user wears a harness that is connected to permanent steel cable track that runs through multiple anchor points fixed in the roof. We can offer either a fall restraint or fall arrest system, with single or multiple lines installed to maximise rooftop safety, providing a versatile solution to meet all of your projects needs.



FABRICATIONS

Our sister company ICB (Fabrications) Ltd is able to produce, on a bespoke basis, a wide range of Fascias, Soffits, Wall Cappings etc., to suit your building project.

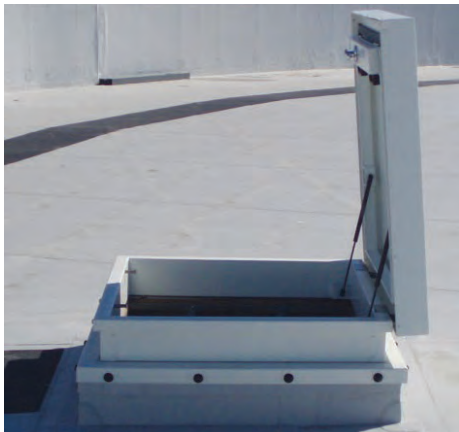
Engineered to fit your requirements these products, having first been subject to our quality pre-treatment process, can then be finished to a very high standard in whatever RAL colour you require in our state-of-the-art colour coating plant.

These products can then be installed through ICB (Projects) Ltd., or by your own contractor if preferred.

ROOFLIGHTS

We can also provide the design and installation of a comprehensive range of bespoke engineered EVALITE Rooflights incorporating a special EVA waterproof coated aluminium upstands.

- Evalite Barrel Vaults
- Evalite Canopies
- Evalite Domes & Pyramids
- Evalite Mono Pitch
- Evalite Monovision Rooflights
- Evalite Smoke Ventilation
- Evalite Special Glazing
- Evalite Access & Emergency Escape Hatches



Working in partnership with Whitesales we are able to offer their entire range of rooflights on a supply & install basis.

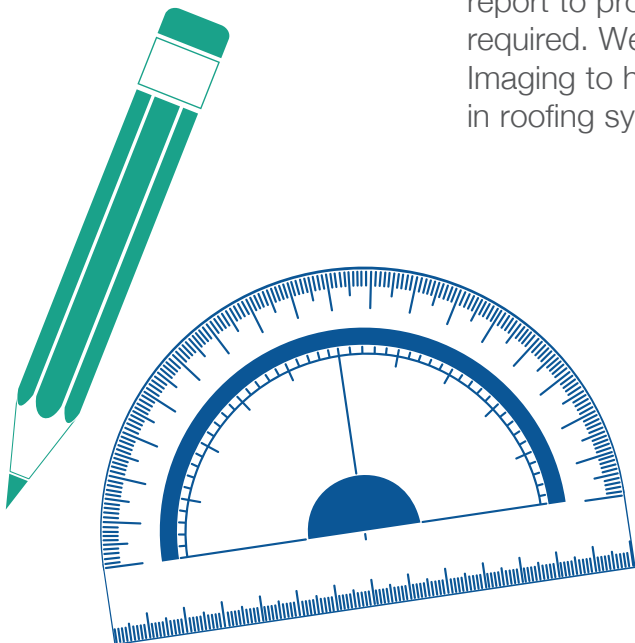
- Polycarbonate Rooflights
- Glass Rooflights
- Smoke Vents
- Access Hatches





TECHNICAL SERVICES

ICB (Projects) Ltd is backed by experienced and skilled employees that can fulfil all your technical needs. Whether you need help in your initial specification, design drawings, or technical installation assistance, ICB are on hand to help. ICB (Projects) Ltd can carry out a comprehensive roof survey report to provide a detailed analysis of repairs and improvements required. We also provide Electronic Leak Testing and Thermal Imaging to help identify rainwater ingress and trapped moisture in roofing systems.



www.icbprojects.co.uk

 @ICB_Projects

For further information please contact:

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