ICB SOLAR

division of ICB Projects

SPECIALISTS IN SOLAR PV SYSTEMS & ENERGY STORAGE SYSTEMS



Solar PV Systems

Solar Panel Design

Solar Panel Installation

Solar Panel Maintenance

Energy Storage Systems

The complete solar solution, from design to installation, to maintenance.

INTRODUCING ICB SOLAR SOLUTIONS



We're an accredited installer of the microgeneration certification scheme (MCS), an industry-led quality assurance scheme, demonstrating the quality and reliability of our goods and services for every project, every time.

We're regularly assessed on our commitment to quality workmanship, customer care, competency and effective management systems. We're also registered with the RECC, NICEIC, CHAS and the Solar Trade Association, as well as holding accreditation for the full ISO spectrum.

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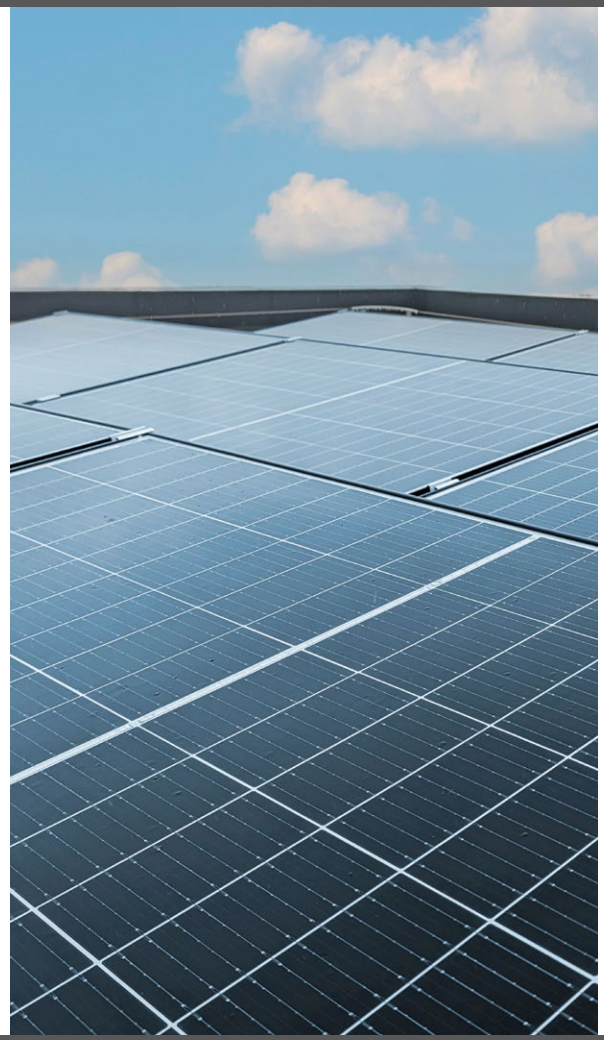
SMART, INNOVATIVE AND SUSTAINABLE SOLAR SOLUTIONS.

Solar PV is at the heart of what we do here at ICB. Created to improve insufficient technical support for specifiers, our focus has always been on fulfilling the demand and needs of the market, and most importantly, our clients.

From day one, we committed ourselves to developing a smarter, innovative PV offering, leaving no stone unturned. Nothing to chance. **Every. Angle. Analysed.** We know that not all projects are the same. We delve into every aspect of each project on an individual basis to ensure that not only the most suitable panels are selected, but also to look at the project as a whole, considering other system components such as the waterproofing integrity, roof safety requirements for maintenance and potential changes to the site surroundings. We aim to future-proof your investment.

We believe in quality, choice, value and sustainability, which is why over the years we've formed strong partnerships with world-leading manufacturers, trained our design and installation teams beyond the highest industry standards and gained accreditation through key governing bodies.

We do the math. We do the design. We do the installation. We do the maintenance. We do the guarantees.
You reap the rewards.



SPECIALISTS IN SOLAR



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FULLY ACCREDITED FOR QUALITY ASSURANCE.

APPROVED CONTRACTOR

MCS CERTIFIED

NICEIC

MCS

ICB Solar Ltd is a fully certified installer under the Microgeneration Certification Scheme (MCS), which ensures the quality and reliability of renewable energy installations.

Our certification confirms that we meet the high standards required for the design, supply, installation, and commissioning of Solar PV systems.

Having completed our first Solar PV project in 2004, we bring decades of experience in integrating a wide variety of solar technologies. Our MCS certification assures customers that our systems are eligible for financial incentives and meet all relevant industry standards.

NICEIC

We are accredited through the NICEIC Competent Person Scheme (CPS), meaning our work is regularly assessed to ensure ongoing compliance with MCS scheme rules and current regulations.

This independent oversight provides customers with peace of mind that our installations are safe, compliant, and carried out to the highest professional standards.

Our NICEIC CPS registration reinforces our commitment to best practices in electrical safety, system performance, and customer satisfaction across all Solar PV projects.



INSPIRATIONAL DESIGN



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WE HAVE EVERY ASPECT OF YOUR SOLAR PV DESIGN COVERED.



ELECTRICAL

The inverter isn't the only critical electrical component of a Solar PV installation. Careful consideration and calculation is also applied DC and AC cable sizing, isolators and final AC connections.

Choosing the right inverter that matches the specific requirements of the solar array is essential for maximising the benefits of solar power. Our inhouse experts will call on a wealth of knowledge to ensure when designing your system to ensure the best inverters and electrical components are selected.



LAYOUT

An appropriate system design factors in orientation, pitch and shading. Careful design ensures the layout of your system is optimal for output and can help mitigate shading impacts.

Any panel in shade can see a power reduction of up to 50%, and even a single panel in shade can affect the whole array. The avoidance of shading is crucial to make the most out of the panel outputs.



PERFORMANCE

System performance is directly correlated to effective design. Performance calculations will give you a strong indication of how much energy your system will generate. We can then use these results to determine your CO2 and financial savings.

Inefficient system design will have a significant impact on your CO2 reduction and an increase in your renumeration period.

FLAT ROOF SPECIALISTS



Solar photovoltaic (PV) mounting solutions are fundamental elements of any solar energy system, offering robust and reliable platforms for the positioning and orientation of solar panels. They facilitate optimal energy generation by aligning the panels towards the sun to capture maximum sunlight. Mounting solutions vary greatly in design and materials, depending on the installation type.

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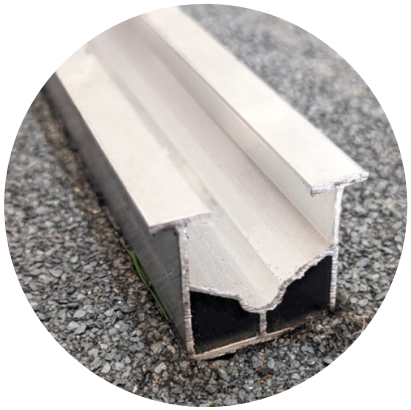
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EXCLUSIVE LIGHT WEIGHT NON PENETRATIVE FIXED MOUNTING SOLUTIONS.



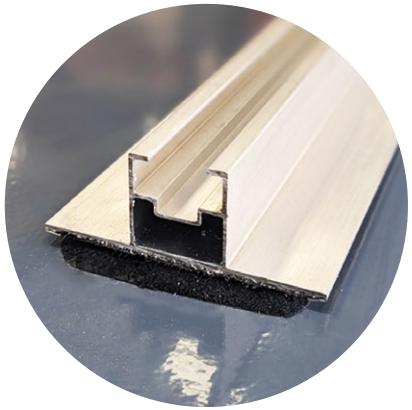
ICB SOLAFIX PROFILE

The ultra-light **ICB Solafix** fixing system makes it possible to attach solar panels onto new or existing EVA roofs without the need for extra ballast or perforation of the roofing membrane.



ICB SOLABIT

ICB Solabit is a market-leading lightweight bitumen roof-mounted system. It's the ideal solution for new and retrofit Solar PV systems installed on bitumen flat roofs.



ICB SOLAPLY V

ICB Solaply V brings forth an innovative, specialist-backed velcro loop band paired with a meticulously designed aluminium mounting profile, which houses an embedded velcro hook band, setting a new standard in the industry.

OTHER MOUNTING SOLUTIONS



EXPERT ADVICE ON SELECTING THE MOST APPROPRIATE PRODUCTS FOR YOUR PROJECT.

We're not limited to a single supplier, so, without bias, we can confidently choose the best solution for your acedemic, commercial or residential building.



ABOVE ROOF PANELS

Above-Roof Solar PV Systems are designed to be installed directly above your current roofing, providing a practical and non-intrusive approach to solar energy generation. These systems are an excellent choice for both new constructions and retrofitting projects, offering a range of benefits that elevate your property's sustainability and energy efficiency.

eurener energía solar · SUNPOWER® · BISOL



IN ROOF PANELS

Unlike conventional rooftop solar panels, which are mounted on top of your existing roofing, in-roof systems are integrated directly into your roof's design. This integration not only provides a more cohesive and visually appealing appearance, but it also optimizes the efficiency of the solar panels by eliminating unnecessary gaps and angles.

Sandtoft · viridian solar



BUILDING INTEGRATED PANELS

Building Integrated PV Systems are a type of solar power technology that is designed to seamlessly blend with the architecture of a building. Carports, façades, pergolas, or windows are all examples of how solar panels are integrated directly into the building structure in such a way that they become an integral part of the building's design and function.

SOLARWATT® · BISOL

SOLAR PANEL MAINTENANCE



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MAINTENANCE PACKAGES MAXIMISE EFFICIENCY FOR PEACE OF MIND.

Taking advantage of one of our maintenance packages can give you peace of mind that your Solar PV system is safely running to its full potential for years to come.

While Solar PV systems are generally considered maintenance free – regular upkeep ensures your system continues to operate as designed for as long as possible. Properly maintained systems see as much as 17% yield increase on average.

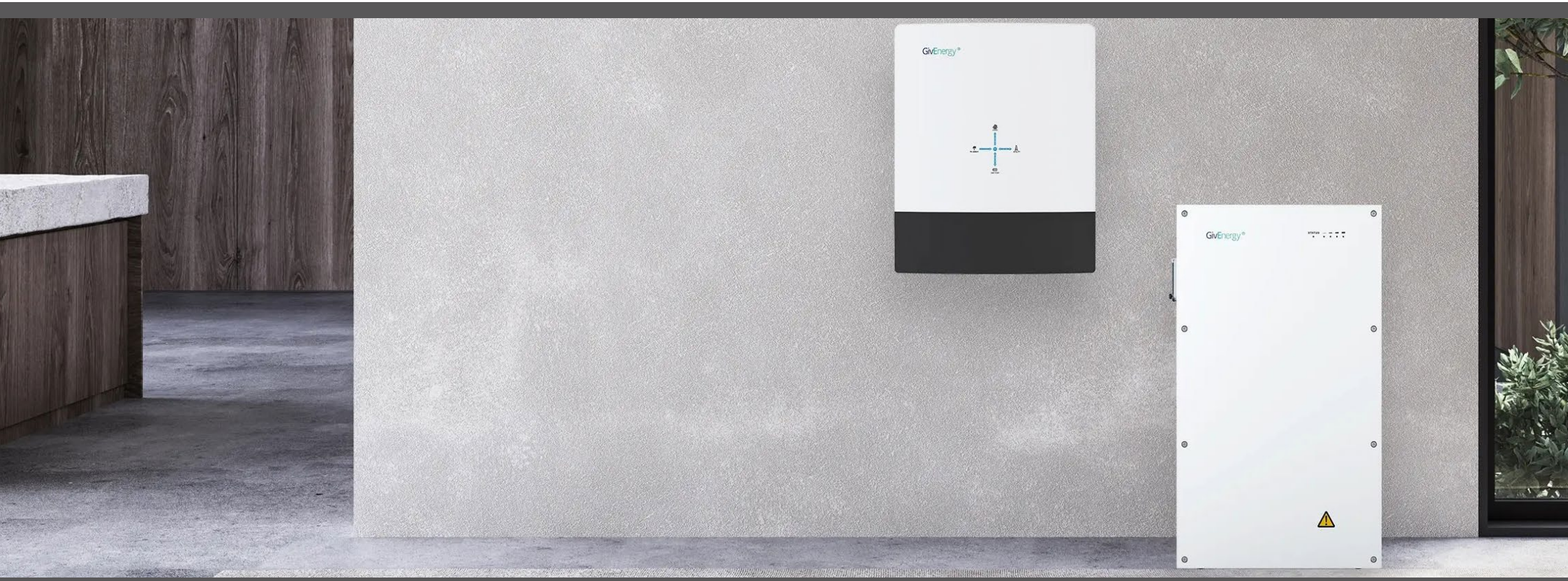
What do our maintenance packages cover?

- Typically one visit per year (more for high-debris areas).
- Arranging of roof access if not already available.
- Solar panel servicing (visual inspection, meter & inverter testing).
- Area inspection & removal of potential dangers/shaded areas.
- Cleaning your solar panels to remove any debris, improving panel performance.





ENERGY STORAGE SYSTEMS



Energy storage systems are maintenence free!

Once installed there is no maintenance required for the energy storage solution.

It'll be kept up to date through firmware updates and can be controlled with a smartphone.

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REDUCE ENERGY BILLS WITH COST EFFECTIVE BATTERY STORAGE SYSTEMS.

Sleek design and intelligent software meet sustainability and off-grid independence.

Energy storage is a valuable technology that enables storing electricity for future usage. It operates by harnessing the power generated from Solar PV panels during daylight hours and incorporating energy storage into the system. By doing so, this stored energy can be efficiently utilised whenever it is needed, for comprehensive reliability and security.

Intelligent software plays a crucial role in supporting energy storage systems by dynamically optimising energy usage, resulting in reduced energy bills. These systems ensure uninterrupted power supply to buildings, even in the event of an outage, while also contributing to a cleaner environment by emitting fewer pollutants compared to fossil fuels over their lifespan.

Whether it's a DC or AC storage system or a hybrid solution, we offer a range of options to find the ideal fit for any structure.

- ENERGY INDEPENDENCE: STORE EXCESS RENEWABLE ENERGY FOR LATER USE, REDUCING RELIANCE ON THE GRID.
- COST SAVINGS: REDUCE ELECTRICITY BILLS AND POTENTIALLY EARN REVENUE.
- ENERGY MANAGEMENT: OPTIMISE ENERGY USAGE AND REDUCE PEAK LOAD STRESS ON THE GRID.
- RENEWABLE INTEGRATION: INTEGRATE RENEWABLE ENERGY SOURCES EFFECTIVELY INTO THE GRID.
- SCALABILITY AND MODULAR DESIGN: EASILY EXPAND AND UPGRADE AS NEEDED

COMMERCIAL
ENERGY STORAGE SOLUTIONS



Solar energy storage systems for the commercial market present a game-changing solution to optimise energy management and enhance sustainability efforts.

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EMPOWERING YOUR BUSINESS WITH CUTTING-EDGE COMMERCIAL ENERGY STORAGE SOLUTIONS.

By integrating Solar PV panels with advanced energy storage technology, businesses, academic institutions and hospitals can save money and meet sustainability goals.

These systems enable commercial entities to reduce reliance on the grid, minimise peak demand charges, and lower overall energy costs. Moreover, they provide backup power during grid outages, ensuring uninterrupted operations and safeguarding against potential financial losses. With scalable options and intelligent energy management software, commercial solar energy storage systems offer customisable solutions to match the unique energy requirements of businesses of all sizes.

By embracing these systems, companies can maximise energy efficiency, demonstrate their commitment to environmental responsibility, and achieve long-term cost savings.



ATESS TESVOLT GivEnergy®

The complete solar solution, from design to installation, to maintenance.

RESIDENTIAL

ENERGY STORAGE SOLUTIONS



With a minimalist design, residential energy storage systems complement a variety of building styles. The compact, all-in-one design feature, has versatile mounting options for indoor or outdoor spaces.

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100% SELF POWERED HOMES WITH BATTERY STORAGE SYSTEMS.

Solar battery storage systems for the residential market offer a groundbreaking solution to enhance the benefits of solar power.

By coupling Solar PV panels with battery storage technology, homeowners can capture and store excess electricity generated during the day for use during evenings or periods of high energy demand. This allows for greater consumption and reduces reliance on the grid, potentially saving costs by minimising energy bills.

These systems provide backup power during outages, ensuring a reliable and continuous energy supply.

With various options available, and ICB Solar's help, homeowners can choose the right capacity and configuration to meet their specific energy needs.

qcells

GivEnergy®



ICB GROUP

ICB PROJECTS
ICB FABRICATIONS
ICB WATERPROOFING

SPECIALISTS IN SOLAR PV SYSTEMS & ENERGY STORAGE SYSTEMS

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Socials

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