

Solar for new homes

Experts in the design, supply &
installation of new build solar PV



We are the trusted solar PV partner that always delivers

For more than 10 years HBS New Energies has been working with the UK's largest housebuilders to fulfil their solar PV requirements, earning a reputation for delivering excellence and best value within the new build housing sector.

Since HBS New Energies first began we have been committed to supporting the integration of renewable technologies such as solar photovoltaic (PV) into the construction of sustainable, low carbon homes.

We have developed a strong track record in value engineering innovative solar PV solutions to help major developers, regional housebuilders and housing associations fulfil strict energy targets.

Throughout a project's life-cycle our expert teams work collaboratively to provide a complete turnkey solution, installing PV systems seamlessly into a project's build programme.

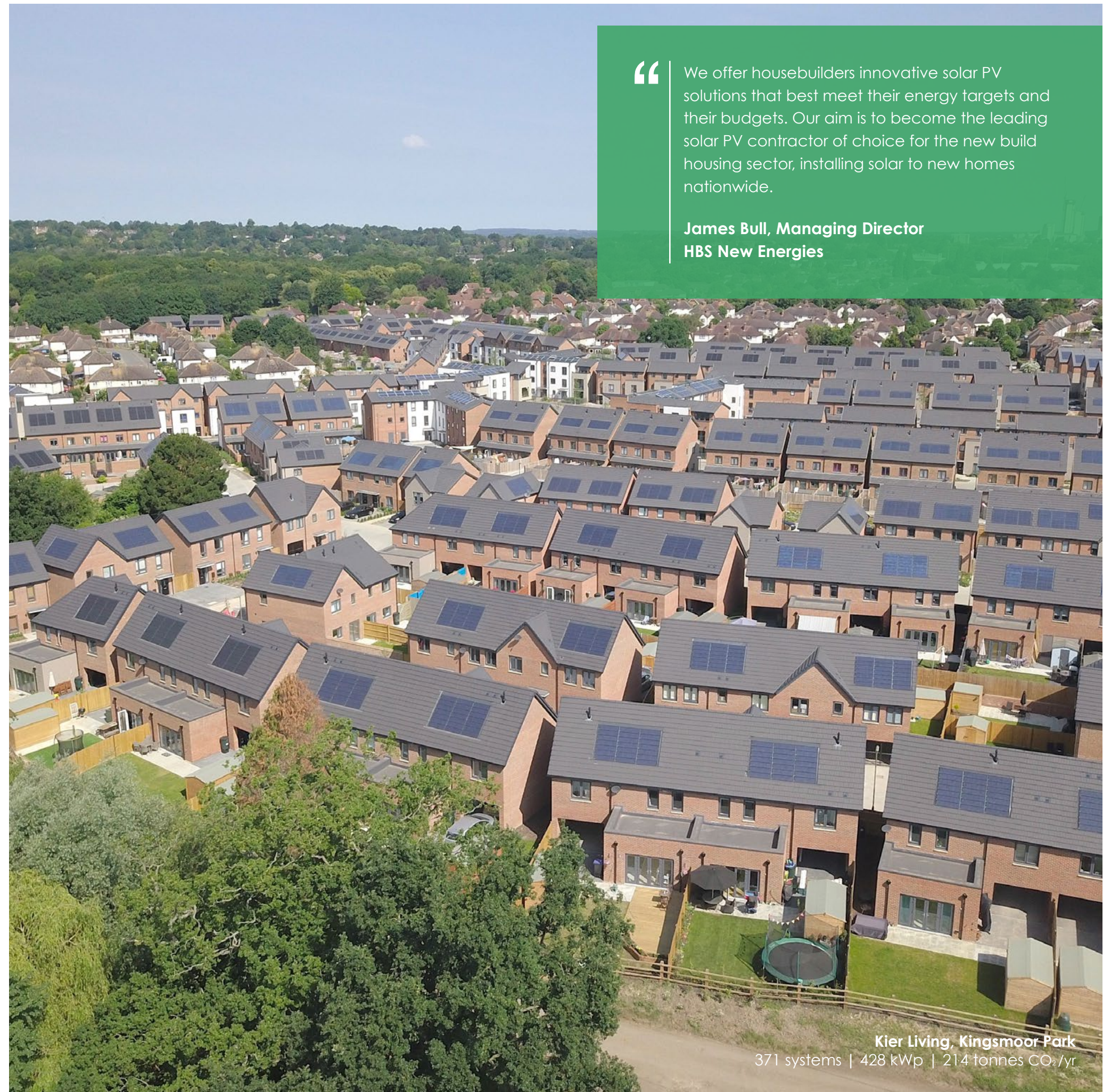
We are a division of HBS Group Southern, an award-winning mechanical, electrical and renewable energy specialist established in 1950. The business provides consultancy, design, installation and maintenance services to private and public-sector organisations throughout the UK.

With over 65 years experience supporting residential projects, the team at HBS are extremely familiar with the demands of the construction industry. We always place our client's needs at the centre of everything we do and ensure we provide an outstanding level of service, quality and reliability in a safe working environment.

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We offer housebuilders innovative solar PV solutions that best meet their energy targets and their budgets. Our aim is to become the leading solar PV contractor of choice for the new build housing sector, installing solar to new homes nationwide.

James Bull, Managing Director
HBS New Energies



Kier Living, Kingsmoor Park
371 systems | 428 kWp | 214 tonnes CO₂/yr



Solar PV for housebuilders

We believe solar photovoltaics (PV) are the most cost effective, reliable and simple-to-install energy efficiency measure available to housebuilders when looking to meet the increasing energy targets required by Building Regulations and planning conditions.

BDWH, Oakhill Gardens
91 systems | 92.7 kWp | 33.7 tonnes CO₂/yr

Meeting your energy targets with solar PV

Today there is a growing focus on more sustainable living in the UK with home buyers and the Government now demanding ever more energy efficient, low carbon homes. In addition to this, housebuilders must meet stricter energy requirements from Building Regulations and increased sustainability targets set by local authorities.

Since 2008, HBS has been working closely with the UK's top 20 housebuilders to ensure they meet their on-site energy targets through the installation of solar PV whilst reducing their carbon footprint.

This first-hand experience has helped us form a valuable understanding of the key drivers in the industry and identify that solar PV is now more widely favoured by the new build housing sector and eco-conscious home buyers alike. This in part has been driven by a reduction in costs and advances in technology.

We know housebuilders require renewable technologies that can be tailored to suit a development's specific energy needs and must integrate seamlessly into the construction process. They must be reliable, aesthetically appealing and demonstrate best value.

The single most effective renewable technology to achieve all these objectives and meets increasing energy targets is solar PV.

If you're looking to specify solar PV into your next development and demand a trusted expert that can offer a cost-efficient end-to-end service, we'd be delighted to help.

Benefits

- Most cost-effective way to meet on-site renewable energy targets ✓
- Can be integrated seamlessly into the construction ✓
- Fast & easy to install ✓
- Simple operation with no maintenance ✓
- Favoured for its reliable & effective long-term performance ✓
- Wide range of aesthetic & innovative options ✓
- Systems can be tailored to suit all house & roof types ✓
- Meet increased customer demand ✓
- Enhance company credentials ✓

“ HBS have been a valued contractor of Barratt David Wilson Homes providing mechanical and solar PV works since 2005. We have always found them to be helpful with all aspects of the services they provide, whether in design stage, installation or after-sales service. We would have no hesitation in recommending them to anyone.

Jon Green, Managing Director
Barratt David Wilson Homes
(Southampton)

Leading the way in new build solar PV services

As a specialist in the new build housing sector, we have the expertise to develop and implement the highest quality and most cost-efficient solar PV solutions to best suit residential housing developments of all sizes.

Covering all aspects from system design, supply and engineering to installation, commissioning and aftercare, we are one of the most trusted new build solar PV installers in the UK.

10

years new build solar PV expertise

8,000

homes with solar installed by HBS nationwide

9/10

top UK housebuilders trust HBS

10MW

total MWp installed

Est. 1950

a division of HBS Group Southern

5000

tonnes total annual carbon savings

Highwood Group & Vivid, North Stoneham Park
251 systems | 234 kWp | 95.6 tonnes CO₂/yr

An end-to-end solution to suit your project needs



Design & supply

- Complete in-house design service
- Technical advice & expert support
- Value engineering approach
- Design co-ordination
- Energy network liaison
- Open market product access
- Strong buying power



Installation

- Project specific RAMS
- Nationwide project coverage
- Co-ordination with interfacing trades
- Roofing, panel & electrical installation
- Qualified & skilled HBS install teams
- Quality assured through HBS QMS
- Testing & commissioning by HBS



Handover

- Plot specific O&M handover packs
- Commissioning certification
- Assistance with FiT payments for user
- Technical advice for staff & user
- Bespoke marketing materials



Aftercare

- Aftercare for term of 2-year warranty
- Regular monitoring & inspections
- Reactive annual maintenance
- Dedicated after sales support
- Emergency service available 24/7

Delivering a complete installation service under one roof

At HBS we take full responsibility for all works associated with the installation of a solar PV system during the construction of a new home.

From roofing, panel installation to electrical installation, commissioning and hand over, rest assured you have a specialist team delivering a complete turnkey solution.

A dedicated project manager will liaise with you throughout the build process. They will co-ordinate our in-house installer teams who are extremely familiar with new build sites and have the expertise and understanding to install PV systems to any roof, tile or house type in a safe manner and to the highest standards.

By co-ordinating efficiently with your site team and interfacing trades, we aim to make the process easier and faster to save you time and money. Should any problems or changes arise, we have the experience and resource to overcome these quickly.

Health and Safety on site is a top priority for HBS and our in-house H&S team are continually focused on maintaining our zero Accident Frequency Rate (AFR) for reportable accidents. They oversee all policies, procedures and the associated RAMS, CDM and Method Statement requirements for the delivery of our projects.



Step 1 Project manager assigned & preparation begins

Once designs are approved HBS assign a project manager who will attend a pre-start, provide RAMS and oversee the installation process for the duration of your project.



Step 2 Roofworks commence on site

The project manager ensures all goods and equipment are procured for the project, and coordinates HBS' install team to carry out all aspects of the roof installation as plots get called off by site.



Step 3 2nd fix, testing & commissioning

HBS electricians 2nd fix, test, commission and set to work the solar PV systems.



Step 4 Handover

We will produce bespoke plot-specific handover packs for your customers and HA and provide dedicated aftersales support should they have any questions or issues regarding the operation of their solar PV system.



Black in-roof



Silver in-roof



Black on-roof



Silver on-roof



Solar tile



Flat membrane



Trapezoidal metal



Standing seam

Operating to the highest levels of quality and service

We continually strive to go above and beyond our client's expectations and are fully committed to delivering an outstanding level of service and quality throughout the life-cycle of a project.

To maintain this focus on excellence we have developed an ISO 9001:2015 certified in-house Quality Management System. Adhering to this internationally recognised standard through strict quality control procedures ensures HBS deliver a high-quality service at all times.

This is further demonstrated in the professional quality standards and accreditations that have been awarded to HBS Group Southern.



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We have found HBS New Energies to be a reliable and highly skilled solar PV specialist, offering an excellent standard of service and quality. Their complete installation service offers expert support for our teams at each step of the process and guarantees Bovis Homes' developments meet the latest Building Regulations and sustainability targets in the most cost-effective way.

**James Dunne, Managing Director -
Bovis Homes
(Southern Counties)**



Bovis Homes, Boorley Park
196 systems | 158.5 kWp | 77.1 tonnes CO₂/yr

BDWH, Cane Hill
510 systems | 561.2 kWp | 203.9 tonnes CO₂/yr

Exemplary health and safety is our top priority

HBS New Energies has a strong and professional approach to health and safety. We pride ourselves on our excellent reputation for working safely, adhering to the latest legislation whilst minimising our impact on the environment.

The safety and wellbeing of our employees, engineers and clients is an absolute priority and we provide all the necessary guidance, resource and support they need to maintain a safe working environment during a project.

To demonstrate our commitment, we have developed an ISO 45001:2018 certified occupational health and safety management system. This is maintained to the highest standards to ensure compliance with the latest industry recognised safety schemes.

At HBS we leave no room for error, so you can be confident we conduct all works in a safe, informed and professional manner.



“ By being flexible and quick to respond to site issues or short lead time changes HBS have helped to ensure our fast build programmes stay on track. We have found that their installers are able to coordinate effectively with the wider supply chain and complete all works in the safest manner within agreed RAMS. Their office team provide a professional service that covers all technical and aftersales support for peace of mind.

Marinus Muller, Senior Site Agent - Barratt Homes (Southern Counties)

Building long-term partnerships

HBS New Energies are a business focused on providing a collaborative approach when installing renewable technologies to residential developments.

We're proud to be the solar PV contractor of choice for the UK's leading housebuilders and social housing providers, building long-term partnerships that promote trust and mutual success in developing sustainable new communities.



Bloor Homes, Crowdhill Green
63 systems | 75.2 kWp | 36.5 tonnes CO₂/yr

Future proof your development

Electric vehicles (EV) and battery storage are set to play an increasing role in the future of UK housebuilding. Providing the charging infrastructure and storage technologies needed to support this significant growth and meet the demand presents a real opportunity for housebuilders.

Get EV-ready

You can ensure your development is EV-ready by installing active charging points for each new home or fitting passive charger-ready terminals to enable simple installation and activation of a charge point at a later date. It is more cost effective and less disruptive to be EV-ready, than to have to retro-fit new infrastructure.

Tailor-made battery storage solutions

With advances in technology, the reducing cost of lithium-ion batteries has opened new possibilities for battery storage in new homes. They can be effectively used to store power generated from a rooftop PV system when the sun isn't shining, or harnessed to charge up an EV charging station overnight.

There are a range of battery and storage sizes available that can be easily integrated alongside a PV system and an EV charging station. A battery can be installed in most places within a new home including a loft, garage or utility room.

Have a development that requires EV chargers or battery storage?

HBS can offer expert advice and support for housebuilders to ensure a best-value, tailored solution can be achieved for residential developments. We supply a wide range of innovative battery storage products and EV charging infrastructure as part of our end-to-end service, all fitted and tested by our skilled teams of installers.

For more information on how we can future proof your development email newhomes@hbsgroupsouthern.co.uk



Get in touch

To find out how we can deliver a best value solar solution tailored to suit your scheme's energy requirements, email:

newhomes@hbsgroupssouthern.co.uk

Alternatively contact,
Rob Walker, Senior Design & Estimating Engineer
on: **07957 643982**

Discover more at
hbsgroupssouthern.co.uk



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