

Roof Integrated Solar for Industrial Buildings



The Project

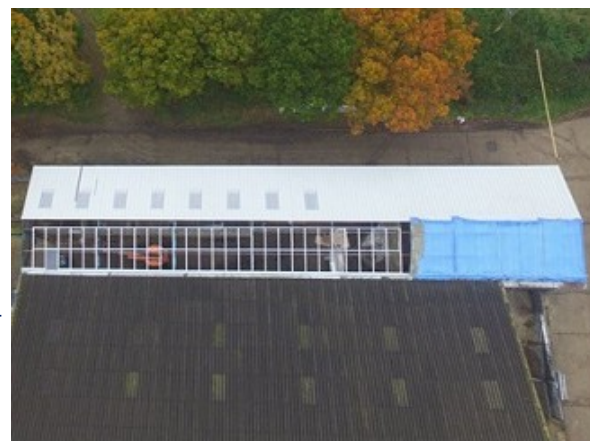
A roof integrated PV system installed by GB-Sol approved installer Eagle New Energy and KD Roofing at an industrial unit in Dereham is pictured above. The client required a full roof of solar PV to replace the existing material, they also requested a roof light as part of the array to provide natural light to an office space without windows.

The Benefits

Not just for residential properties, a GB-Sol roof integrated system (RIS) can be a great solution to commercial, industrial roofing or asbestos roof replacement. These buildings often have a much larger roof space and can benefit from a larger solar installation. Also as they're usually more energy intensive during the day than residential properties, they're ideal premises to benefit from the solar energy produced. Depending on the size of the PV system and the energy consumption on site, very little will probably be exported and so higher returns and shorter paybacks can be achieved.

Retrofit Applications

Many older buildings will have asbestos or fibre cement roofs in need of removal and so provide the perfect opportunity to replace the roof with a new green alternative. Our system can pay for itself in less than ten years. Not something that corrugated or metal profile roofs will manage. As the system's life expectancy is in excess of 30 years and the PV output is guaranteed to be at least 80% after 20 years, there's also considerable savings on energy costs to be made over its lifetime.



New Build

This ecological roof type is also a great option for new build industrial developments. It is suitable for most pitches and purlin spacings and has cantilever capacity to support an overhang at the eaves. As we manufacture the panels in the UK we can adjust the size of the panels to fit the roof shape and size exactly.

Case Study: Industrial RIS

GB-Sol – low cost PV panels, bespoke PV panels, mounting systems and PV accessories