

Grove Farm- Solar PV Proposal

13th March 2023



AC GOATHAM & SON
GROWING SINCE 1947

AC Goatham & Son, Rochester

The UK's largest top fruit grower; Goatham's grow over 350 million apples and 55 million pears each year

1,510.20kW - 4,442 solar panels; spread over 4 buildings across 2 sites

BeBa energy

Over 10 Years PERFECTING SOLAR



Berry Gardens

Berry Gardens, Maidstone

Largest fruit-growing in the UK, clients include all of Britain's leading retailers

993.85kW - 3,614 solar panels; second phase of solar rollout

BeBa energy

Over 10 Years PERFECTING SOLAR

Asset management

BeBa Energy are one of the UK's most trusted solar specialists, and currently **maintain over £150m** worth of solar assets for our valued commercial, agricultural and new build clients.

Cleaning **Repairs** **Monitoring** **Operations**



Pro-active maintenance – we watch your system	Re-active maintenance and support	**Annual** on-site system service and condition check	Access to our technical and commercial helpline
Fault assistance - triage via telephone assistance	**Professional** technical support	Recorded site service history via Case CRM	**48-hour** response time from notification of a fault
One free of charge call out per year * Systematic management of faults and repairs	**Daily** online system monitoring by BeBa office	Compliance to most basic property insurance requirements	Production loss alert – via BeBa faults email Faster access to replacement components
Error analysis and diagnostic assistance where required	Monthly yield check (with other local sites)	Annual yield comparison (with other local sites)	Administration of warranties (where required) **10% discount** on standard panel cleaning (excluding lifters)

BeSmarter Monitoring & Control

	Traditional Monitoring	BeBa Dynamic Monitoring
Half-hourly solar-generation monitoring	✓	✓
Inverter-level monitoring	✓	✓
Under-production alert's	✓	✓
Historical performance reports	✓	✓
Export monitoring reports	✗	✓
Import monitoring	✗	✓
Export monitoring	✗	✓
Power management and inverter control	✗	✓



The BeBa Installation Difference

Workmanship

Scaffolding

Equipment

Quality Control

Optimised system design – we take a long-term view with regards to **system performance** and long-term maintenance at the initial design stage.

Precise cable management and electrical design to ensure seamless integration into the site infrastructure

14 years of experience delivering systems to the highest of standards



We take pride in our workmanship, ensuring every install is tidy and professional

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Scaffolding

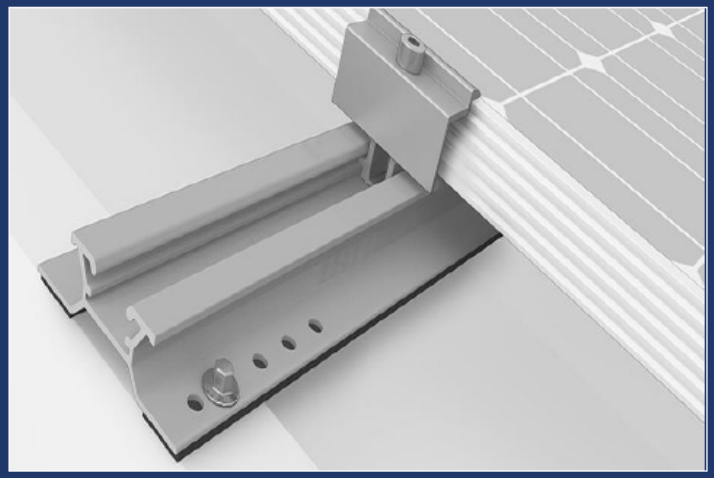
Equipment

Quality Control

Lightweight aluminium mounting system

Designed to **avoid** invalidating roof warranties

Roof penetrations are reserved **only for the crown of the sheet** using industry-standard self-tapping screws



We limit the number of fixtures into the roof and only screw in where necessary to ensure roof warranties are not invalidated

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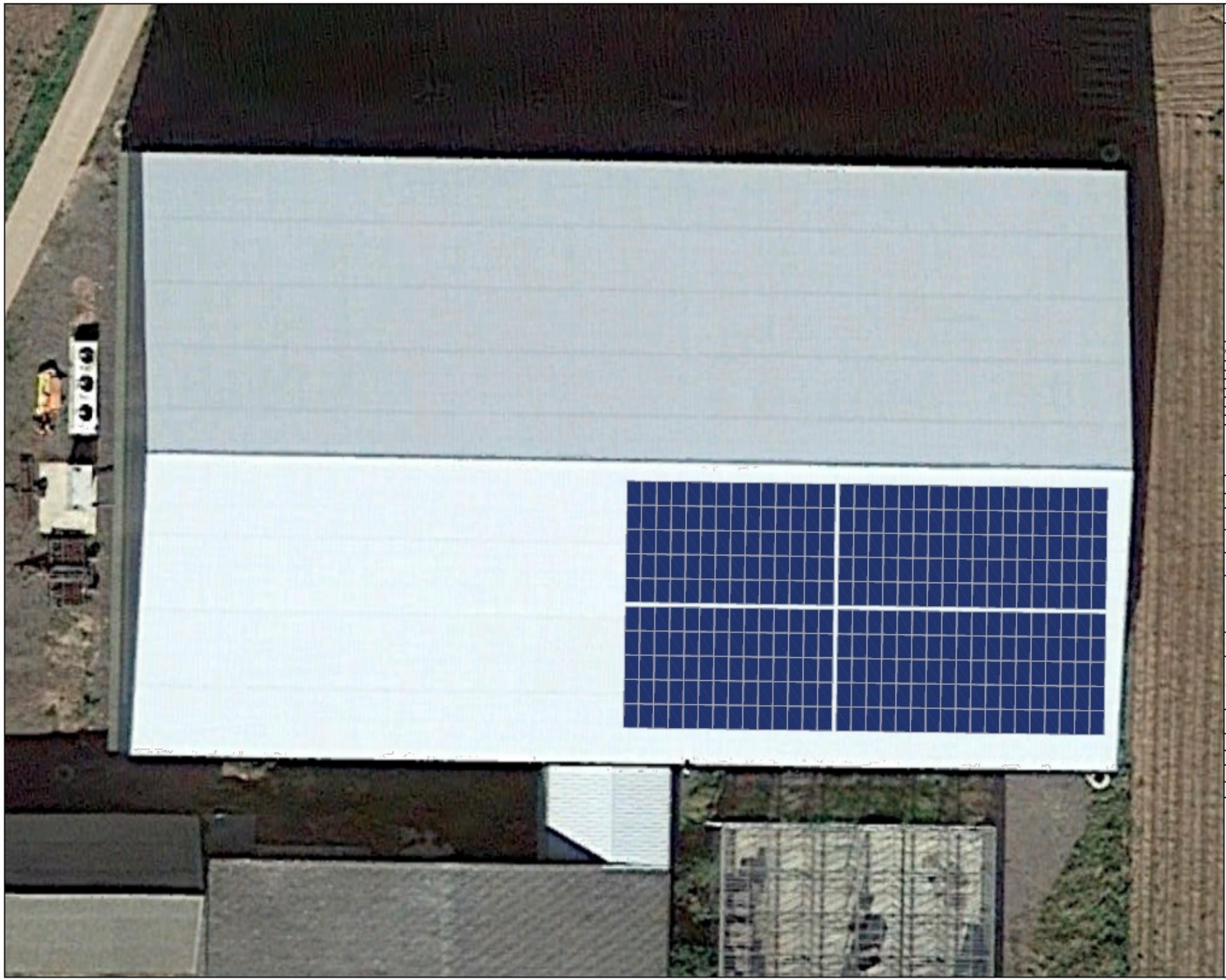
Quality Control

ISO9001 : 2015 accredited ensuring increased efficiency, a dedication to **customer satisfaction** and continuous improvement

ISO45001 : 2018 - industry leaders in occupational health and safety, risk management and consistency.

Safe Contractor approved





PROJECT NOTES

Height to Eaves: 6 m

Roof Pitch: 12°

Indicative Layout - Subject to Site Survey.

0 2.5 5m

REV	DATE	COMMENTS	BY
1	08/03/2023	Initial Layout	GR
2	21/03/2023	Moved System	JJA
3	-	-	-
4	-	-	-
5	-	-	-
6	-	-	-
7	-	-	-

Total Install Capacity:
320 x 385W = 123.2kWp

SYSTEM INFORMATION

Equipment	Manufaoturer	Model
Module	JA	JAM60S20 385/MR
Inverter	Huawei	1 x 100KTL
Mounting System	K2	Mini Rail

Client	George Thompson Farms		
Address	Grove Hurn Bank, Holbeach, Spalding, Cambridgeshire, PE12 8JJ		
Drawing	PV Layout		
Drawn by:	JJA	Checked by:	MP
Scale	1 : 250 @ A3		
Drawing No:	Q52527_003		
Status	Proposed		

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