

COMMERCIAL SOLAR PROSPECTING REPORT

€2,364

potential Year-1 saving

Busch Vacuum Solutions

UNIT Q2 M7 Business Park, Naas, Co Kildare

VantageHQ

8 May 2026

Ref: SS-WSUSRZ

Modelling transparency — every kWh figure is calculated using PVGIS-SARAH3 (EU Commission irradiance database) with roof geometry verified from satellite imagery. Full assumptions on the appendix page. If any input is wrong — flag it and we re-run free.

All figures are indicative estimates based on satellite analysis and verified Irish government data. A professional site survey confirms final system size and costings. This report does not constitute a formal quotation.

THE SITUATION

Your roof right now

01

RIGHT NOW

€519/mo

buying from the grid

AFTER SOLAR

€197/mo

Year-1 monthly saving

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Saving exceeds current bill because surplus solar generation is exported to the grid at the Clean Export Guarantee rate (€0.185/kWh).

€2,364

Your roof could save you €2,364 in the first year alone.

EVERY MONTH YOU WAIT

- **€197** in savings gone
- **€2,364** walked out the door over a year
- SEAI grant pot is limited — 2026 allocations are filling fast

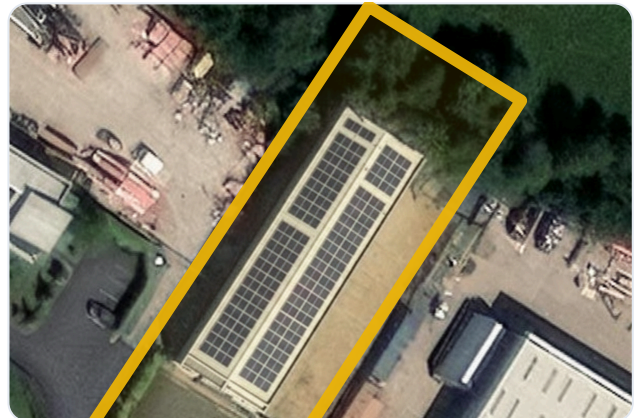
YOUR OPPORTUNITY

02

From unused roof to working asset



Today — unused roof space



After — 118.4 kWp solar array

€2,364
YEAR-1 SAVING

20
PPA TERM (YRS)

Zero
UPFRONT COST

€107,320
20-YEAR TOTAL







118.4 kW
SYSTEM SIZE

24.8 t
CO₂ SAVED / YR

WHAT YOU GAIN

03

Six benefits, one install

 <p>Lower electricity bills Power you use on-site is dramatically cheaper — or free, depending on model.</p> <p>€1,182/yr</p>	 <p>Export income Excess exported to the grid earns under the Clean Export Guarantee.</p> <p>€1,182/yr</p>
 <p>Price protection Locked-in rate versus grid prices rising ~5% / yr for 20+ years.</p> <p>Guaranteed</p>	 <p>BER improvement Typical commercial solar PV install lifts BER by 1-2 grades (SEAI methodology).</p> <p>+1-2 grades</p>
 <p>Carbon reduction Equivalent to planting 1,180 trees every year.</p> <p>24.8 t CO₂/yr</p>	 <p>Property uplift Irish commercial valuers factor renewable assets into appraisals (CBRE Ireland 2024).</p> <p>Quantifiable</p>




GOVERNMENT SUPPORT

04

Grant handled for you — PPA model

ZERO UPFRONT COST

How a Solar PPA Works

 <p>STEP 1 — WE INSTALL A solar system is installed on your roof at no cost to you. The PPA provider owns, maintains, and insures the system for the full contract term.</p>	 <p>STEP 2 — YOU SAVE You purchase the electricity generated at a fixed rate of €0.18/kWh — significantly below your current grid rate of €0.29/kWh. Savings start from day one.</p>	 <p>STEP 3 — WE HANDLE EVERYTHING Monitoring, maintenance, inverter replacements, insurance — all included. You simply receive cheaper, cleaner electricity with zero hassle.</p>
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Your current rate: **€0.29/kWh** → PPA rate: **€0.18/kWh**

38% saving from day one

SEAI Non-Domestic Microgen Grant

claimed by installer

Capital cost to you

€0 upfront

Your cost model

€0.18/kWh fixed

- 1 Site survey booked — 15 min on-site, no obligation.
- 2 Formal PPA proposal issued within 48 hours.
- 3 PPA agreement signed — zero capex required.
- 4 Installation managed end-to-end within 8–12 weeks.
- 5 Savings begin from day 1 of generation — fixed rate for the term.

Grid connection: straightforward approval process for this system size. Your installer manages all ESB Networks paperwork on your behalf.

YOUR PROTECTION

Built-in warranties & protections

- ✓ **25-year panel performance warranty** — manufacturer guaranteed
- ✓ **10-year inverter warranty** — Fronius / SMA / Solis standard
- ✓ **5-year workmanship warranty** — VantageHQ installation standard
- ✓ **SEAI Safe Electric certification**
- ✓ **Roof penetration insurance coverage**

These warranties are standard on every VantageHQ commercial installation — your asset is protected from day one.

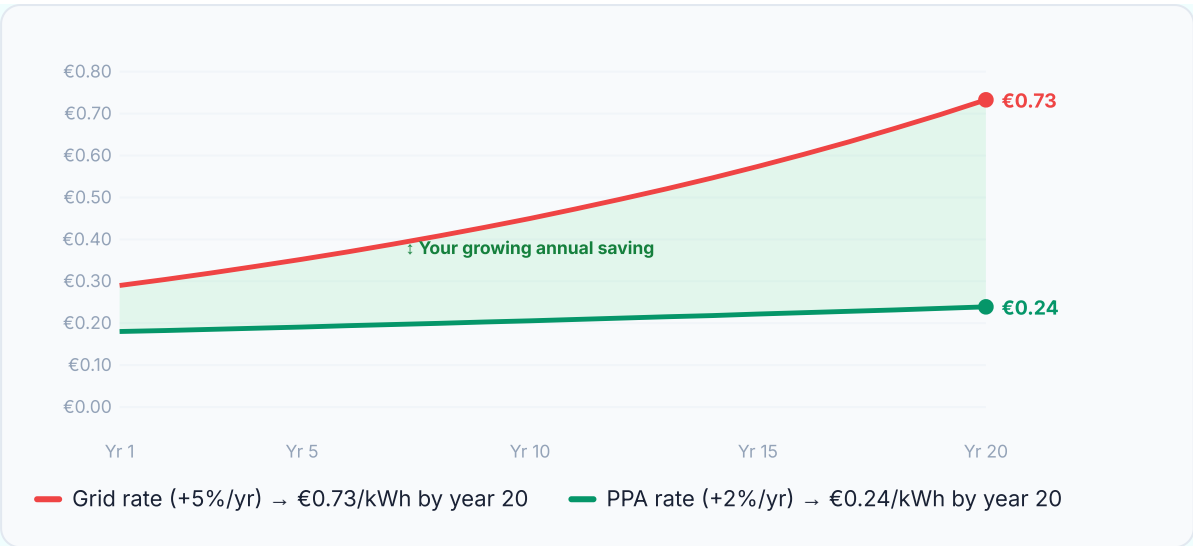
YOUR 25-YEAR VIEW

Cashflow across the system lifetime

05

R

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20-YEAR PPA SAVINGS PROJECTION

YEAR	ANNUAL SAVING VS GRID	CUMULATIVE TOTAL	PROGRESS	PPA RATE
1	€2,364	€2,364	<div style="width: 5%;"></div>	€0.18/kWh locked
2	€2,599	€4,963	<div style="width: 10%;"></div>	€0.18/kWh locked
3	€2,846	€7,809	<div style="width: 15%;"></div>	€0.18/kWh locked
5	€3,374	€14,287	<div style="width: 25%;"></div>	€0.18/kWh locked
7	€3,952	€21,895	<div style="width: 35%;"></div>	€0.18/kWh locked
10	€4,924	€35,666	<div style="width: 50%;"></div>	€0.18/kWh locked
15	€6,865	€65,936	<div style="width: 75%;"></div>	€0.18/kWh locked
20	€9,289	€107,320	<div style="width: 100%;"></div>	€0.18/kWh locked

SYSTEM SPECIFICATIONS

269 × 440W

Solar Panels

118.4 kW

System Capacity

90,694 kWh

Est. Annual Generation

506 m²

Usable Roof Area

927

Sunshine Hours/Year

5°

Roof Pitch

22%

Self-Consumption Rate

100%+

Est. Bill Coverage (oversized)



Book your free 15-minute site survey

No obligation. VantageHQ handles everything.

COMMON QUESTIONS

06

What owners always ask

Will solar panels damage my roof?

No. Modern mounting systems are non-penetrative and actually protect the roof membrane from UV degradation.

What happens if I sell the building?

The PPA transfers to the new owner — it's an asset that increases property value rather than a liability.

Am I locked into a long contract?

PPA terms are typically 20–25 years with buyout options, so you can take full ownership early if you choose.

What maintenance is required from me?

None. Under a PPA the provider handles all monitoring, maintenance, cleaning, and repairs at no cost to you.

What if the solar company goes bust?

The system is physically on your roof and continues generating. Contracts include transfer provisions that protect the asset regardless of provider changes.

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8

YEARS TRADING

3,000+

COMMERCIAL INSTALLS


"Customer Service is brilliant. Looked after everything from start to finish."

— David M, Tallaght

ONE THING TO DO

Book your free 15-minute site survey

Zero obligation. We'll confirm measurements on-site, answer any questions, and issue a formal quote — VantageHQ handles everything.

 1800 929 009

 info@vantagehq.ie

 vantagehq.ie

APPENDIX — DATA SOURCES & METHODOLOGY

This assessment draws on verified Irish government data, EU solar irradiance science, and satellite imagery — so every number has a named source. No estimates or guesswork.

Where This Analysis Comes From

IE GOVT	Tailte Éireann — Valuation Office Verified building & floor-area data
EU GOVT	PVGIS — EU Joint Research Centre Solar irradiance modelling (v5.3, SARA-3 dataset)
IE GOVT	SEAI — Sustainable Energy Authority Grant rates and sector energy benchmarks
IE GOVT	EirGrid Grid carbon intensity (CO ₂ displacement)
IE GOVT	CRU — Commission for Regulation of Utilities Clean Export Guarantee tariff
IE GOVT	Revenue.ie Accelerated Capital Allowance (ACA) scheme
COMMERCIAL	High-resolution satellite imagery Roof dimensions, orientation, shading
AI MODEL	AI-assisted roof classification Usable area and obstruction detection

Key Assumptions

Self-consumption rate	22%	SEAI sector benchmark
Export rate	€0.185 / kWh	CRU Clean Export Guarantee
Grid price growth	5% / year	SEM-O 10-year average
Panel degradation	0.7% / year	Manufacturer warranty standard
System lifetime	25 years	Manufacturer performance warranty
CO ₂ grid factor	256g / kWh	EirGrid, 2024

Glossary — Plain English

kWp — the rated "size" of the solar system. Bigger number = more generation capacity.

kWh — one unit of electricity — the same unit you see on your bill.

CEG — Clean Export Guarantee. You get paid for any solar power you send back to the grid.

ACA — 100% Year-1 tax write-off on your solar investment (Revenue-approved scheme).

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(usually cheaper than grid).

Self-consumption — the share of solar power you use on-site. Higher = faster payback.

Payback — how many years before the system has paid for itself in savings.

NPV — your total financial gain over 25 years, in today's euro.

Degradation — panels slowly lose output over time (~0.7%/yr — warranted by manufacturer).

Who's Responsible for What

VantageHQ — conducts the site survey, verifies the roof and structural load, prepares your formal quotation, manages the SEAI grant application, and delivers the installation.

You (the building owner) — provide us with accurate bill/meter data where possible, confirm building ownership (or landlord consent), and review the formal quotation before works begin.

This report — is a data-backed feasibility check, not a formal quotation. The numbers are sourced from named Irish government and EU datasets (listed above), but final costings are confirmed after the site survey.

Disclaimer

This assessment is indicative only and is based on publicly available data and satellite imagery. A professional site survey is required before installation. All financial projections are estimates and actual results will vary. Roof structural integrity must be confirmed by a qualified engineer. This report does not constitute a formal quotation or engineering specification.

Prepared by VantageHQ · 8 May 2026

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Prepared exclusively for Busch Vacuum Solutions