GRIDAEND

Energy, from start to finish
Alongside our customers

GRIDAEND Co., Ltd. is an energy project developer built on solar (PV·BIPV),
extending to ESS, VPP, energy consulting and real estate development. all through a single point of contact.

COMPANY PROFILE

PV · BIPV · ESS · VPP · ADVISORY · DEVELOPMENT

www.gridaend.com

ABOUT US

GRIDAEND is an energy project developer

Solar project development is our core, extending to BIPV, ESS, VPP, energy consulting and real estate development.

Company overview

Company	GRIDAEND Co., Ltd.
CEO	BYOUNGJIN MOON
Established	June 2026
Head office	902, 9F, 42 Metapolis-ro, Dongtan-gu, Hwaseong, Gyeonggi-do
Office	A-1917, 67 Saebitgongwon-ro, Gwangmyeong, Gyeonggi-do
Business areas	PV · BIPV · ESS · VPP · Consulting · Real estate development
Coverage	Nationwide (on-site visits available)
Business no.	265-81-03879 | Corporate reg. no. 130111-0131440
Contact	T. + 82 10-3708-0691 · master@gridaend.com

Three meanings in the name

Grid connect

We bring scattered sites and equipment together with manufacturing, EPC and finance in a single network.

And together

A promise to walk alongside our customers.
This is where the wordmark's lime accent sits.

End to the end

The end is not commissioning but 20 years of operation, a commitment from start to finish.

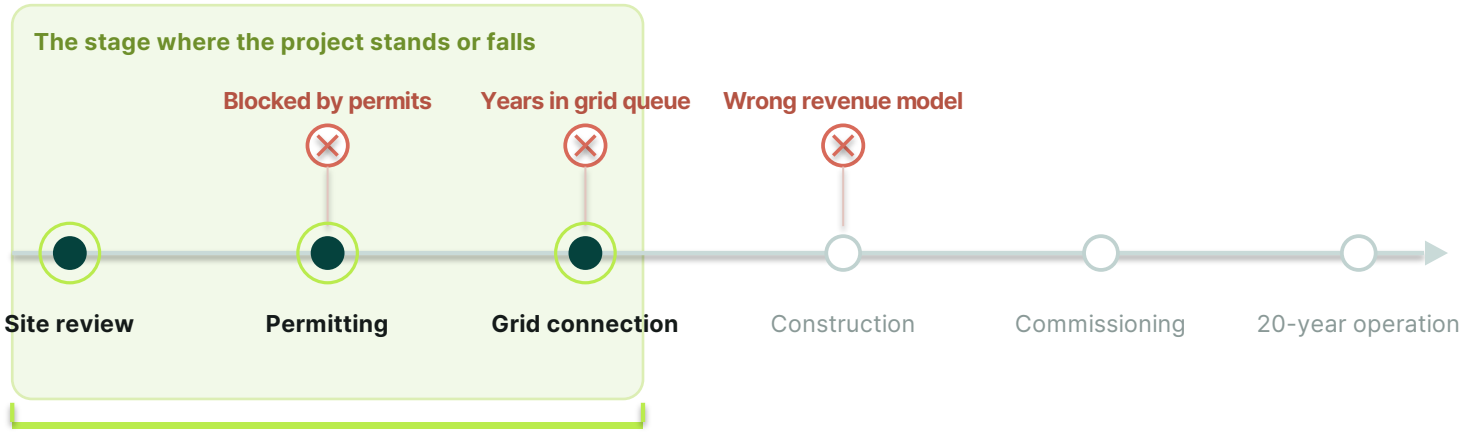
VISION

Idle sites and buildings become power plants, then tradable assets in a distributed energy society.

WHY GRIDAEND

Direction, not equipment, decides the outcome

Most problems we see on site were locked in before construction began.



GRIDAEND reviews this first · Free feasibility assessment / ~5 business days

01 Review

We put the evidence first

We show output, grid, permits, 20-year cash flow and assumptions.

02 Connect

We secure better terms

We compare EPC bids on one basis; loans and subsidies cut cost.

03 Manage

We stay on past commissioning

We manage permits, schedule, quality, then review O&M, ESS, VPP.



Equipment can be replaced, siting cannot be changed.

Modules and inverters can be replaced once built. Siting, grid headroom and permits are set early.

ENERGY VALUE CHAIN

From generation to trading, with no handoffs

We don't stop at solar. Storing power, trading it, raising site value — all through a single point of contact.



01 PV

Generation

We review ground · rooftop · carport · agrivoltaic sites and build them out. Rent or power sales start here.

02 ESS

Storage

We store surplus daytime power and shift it to high-price hours. The aim is lower peak charges and higher self-consumption.

03 VPP

Trading

We pool small resources and forecast, bid and settle them as one plant — extra revenue after commissioning.

04 ADVISORY

Consulting

We compare RE100 options by cost · speed · recognized scope, then design the right mix and sequence.

05 DEVELOP

Development

We factor energy revenue into project economics and recalculate the development value of the site and building.

The image above illustrates an energy cluster combining solar generation, ESS, substation and grid equipment on one site; it does not represent a specific completed project.

BUSINESS AREAS

Six business areas, a single point of contact

Which areas you need depends on your assets and your goal. Every path starts with a free feasibility assessment and runs through a single point of contact.



PV DEVELOPMENT

Solar project development

We first establish whether the site is viable, then compare the 20-year cash flow of five structures side by side.

5 checks: siting · grid · output · revenue · funding



BUILDING INTEGRATED PV

BIPV

A practical way to meet zero-energy building (ZEB) certification rules while offsetting cladding cost.

Involved from early design · KS C 8577

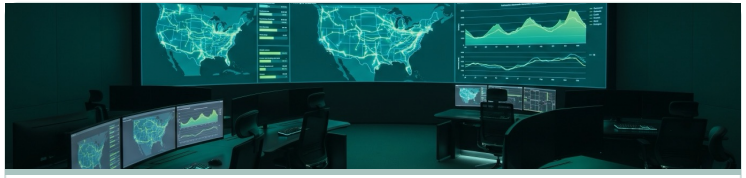


ENERGY STORAGE SYSTEM

ESS

We define the goal first, then size the system from the load profile and tariff for the shortest payback.

Solar pairing · peak shaving · market participation



VIRTUAL POWER PLANT

VPP · power trading

We pool small plants and ESS that cannot reach the market alone, then forecast, bid and settle. An extra revenue path after commissioning.

Eligibility review · aggregator terms compared



ENERGY CONSULTING

Energy consulting

We review your tariff structure from 12 months of electricity bills and compare RE100 options to design the mix.

Electricity bill review · RE100 roadmap



REAL ESTATE DEVELOPMENT

Real estate development

We calculate energy potential for sites and buildings, then feed it into development plans and economics.

Economic analysis including energy revenue

Solar project development

Five checks on the site settle viability and structure; we then bring in manufacturers, EPC and financing.

Five checks in the feasibility assessment

01 → 02 → 03 → 04 → 05

Siting · regulation

Zoning, setback ordinances, permits, land conversion

Grid connection

Grid headroom and queue time at the substation and feeder

Output

Annual output simulated from irradiance, azimuth and tilt

Revenue structure

Contract market, PPA, on-site 20-year cash flow by scenario

Funding · support

Financing terms, eligibility for government support

Review criteria differ by installation type

The same array raises one set of issues on open land and another on a roof.



LAND Farmland · forest · misc. land

Ground-mount solar

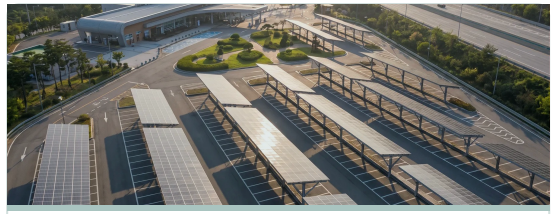
Zoning, setbacks, permits, headroom



ROOFTOP Factory · warehouse · retail

Rooftop solar

Safety, remaining life, leaks, tenure



CARPORT Canopy structure

Carport solar

Layout, columns, snow/wind, EV charging



AGRIVOLTAIC Farming in parallel

Agrivoltaic solar

Farming rules, land tenure, consent

REVENUE MODEL

You can start with zero upfront investment

Based on a 1 MW rooftop at 3.5 hours a day. On the same site, the best structure depends on funding and load.

Three structures that need no upfront investment

Zero upfront investment

01 Lease

Lease the roof only and collect rent

Rent **KRW 40M/yr** 20y KRW 0.80bn

O&M sits with the operator · KRW 40,000/kW-yr

02 Equipment lease

Use a fixed rate below the KEPCO tariff

Save **KRW 48.2M/yr** 20y KRW 0.96bn

Lease KRW 145/kWh fixed 20y · savings grow with tariffs

03 Upfront investment

Have the EPC fund 100%, repay from sales

Rev **KRW 164M/yr** 20y KRW 3.27bn

Upfront KRW 1.30bn · 6.0% · 1y grace, 9y repayment

Two structures that raise returns by investing upfront

Own capital · policy loans

04 Self-consumption

Subsidy eligible

Use the power on site to cut bills

Self-consumption KRW 160/kWh · tariff +1.5%/yr

Save **KRW 207M/yr**

Payback 5.4y · sub. 3.1y

20y KRW 4.14bn

EPC KRW 1.00bn – subsidy 414M = 586M

05 Power sales

Sell the power for 20 years

Contract market KRW 146.6/kWh 20y fixed (2027+ COD)

Rev **KRW 161M/yr**

Payback 6.1y

20y KRW 3.21bn

COD 2026 · spot KRW 5.07bn, payback 3.9y

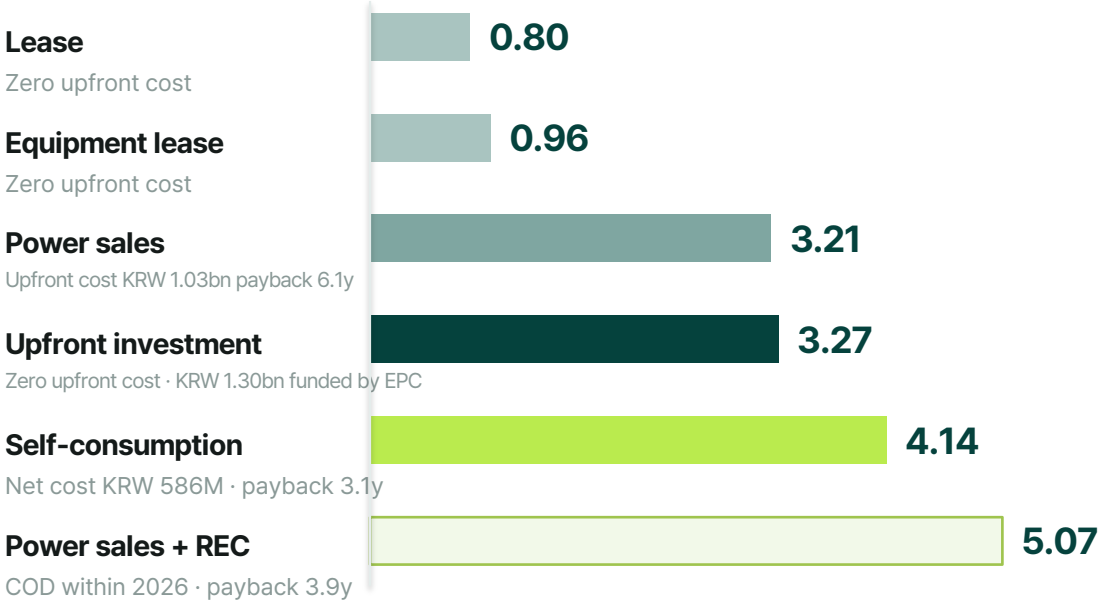
REVENUE COMPARISON

Upfront cost buys 20-year upside

Upfront cost and 20-year owner return move in opposite directions. The best structure depends on funding and load.

20-year owner return · 1 MW rooftop

Unit: KRW bn



20-year owner return. Upfront cost and O&M duties differ, so totals alone are not comparable.

We find the government support you qualify for

Building support subsidy Supports self-consumption capex at a kW rate

Plant · complex · RE100 200kW or less	**KRW 525,000/kW**
Over 200kW to 1,000kW	**KRW 414,000/kW**
Barns and livestock facilities	**KRW 571,000/kW**
Building-integrated PV (BIPV)	**Up to 70% support**

Policy loan program Long-term low-rate loans ease upfront cost

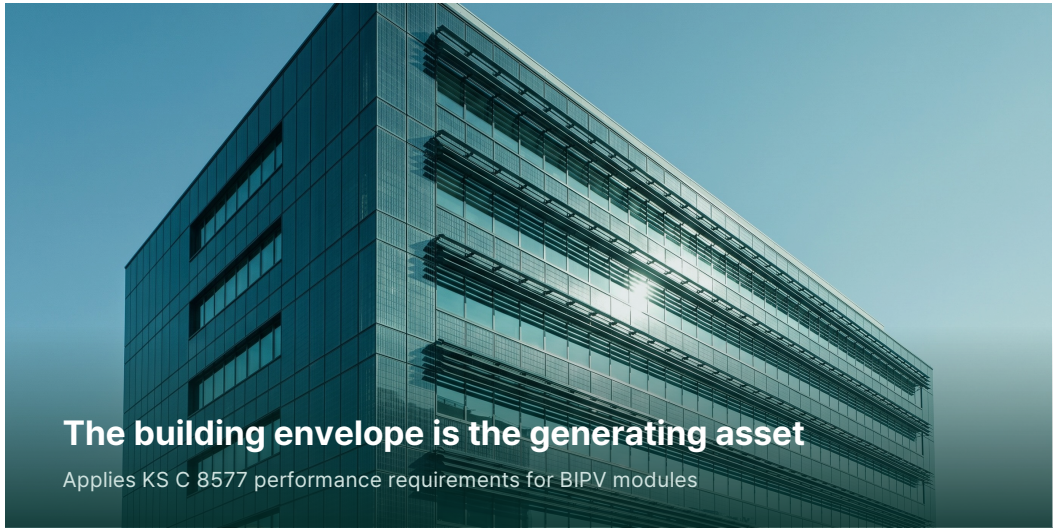
SMEs · individuals · co-ops	**Up to 80%**
Priority: RE100 · complex · plant	**Up to 85%**
Repayment terms	**5y grace + 10y term**
2026 building solar budget	**KRW 13.87bn**

Per the 2026 notice. Applications close when funds run out; selection applies.

Calculation basis 1 MW rooftop · 3.5 h/day, 365 days (1.278M kWh/yr) · 0.5%/yr degradation · O&M KRW 18M/yr (18,000/kW-yr) · EPC KRW 1.0M/kW (factoring 1.3M/kW)
Rent KRW 40,000/kW-yr · self-consumption 160/kWh (tariff +1.5%/yr) · lease 145/kWh · contract market 146.6/kWh · spot 222.75/kWh (SMP 115.8 + REC 71.3×1.5) · factoring 6.0%

BIPV: architecture that also generates power

Not modules laid on a building — PV is the building material itself, in facades, windows, roofs and shading.



Curtain wall · windows

GLASS TO GLASS

Laminates cells between glass, tuning transmittance for daylight and power.

Shading · louvers

LOUVER

Shades south-facing glass, generates power and cuts summer cooling load.

Facade panels

GLASS TO BACK-SHEET

Replaces opaque facade cladding and yields the most power of any surface.

Roof · canopy

ROOF

Turns the roofing itself into modules or forms a daylight canopy.

Why now: the ZEB certification mandate

2025.01 In force
Public 1,000m²+ · ZEB grade 4 or above required

2025.01 In force
Public 500m²+ · ZEB grade 5 required

2025.12 Applies
Private 1,000m²+ or apartment blocks of 30+ units · ZEB grade 5 level

2030 Planned
Public grade 3 level · private 500m²+ grade 5 level

Subsidies and economics

KRW 7.38bn
2026 BIPV budget allocation (renewable building support)

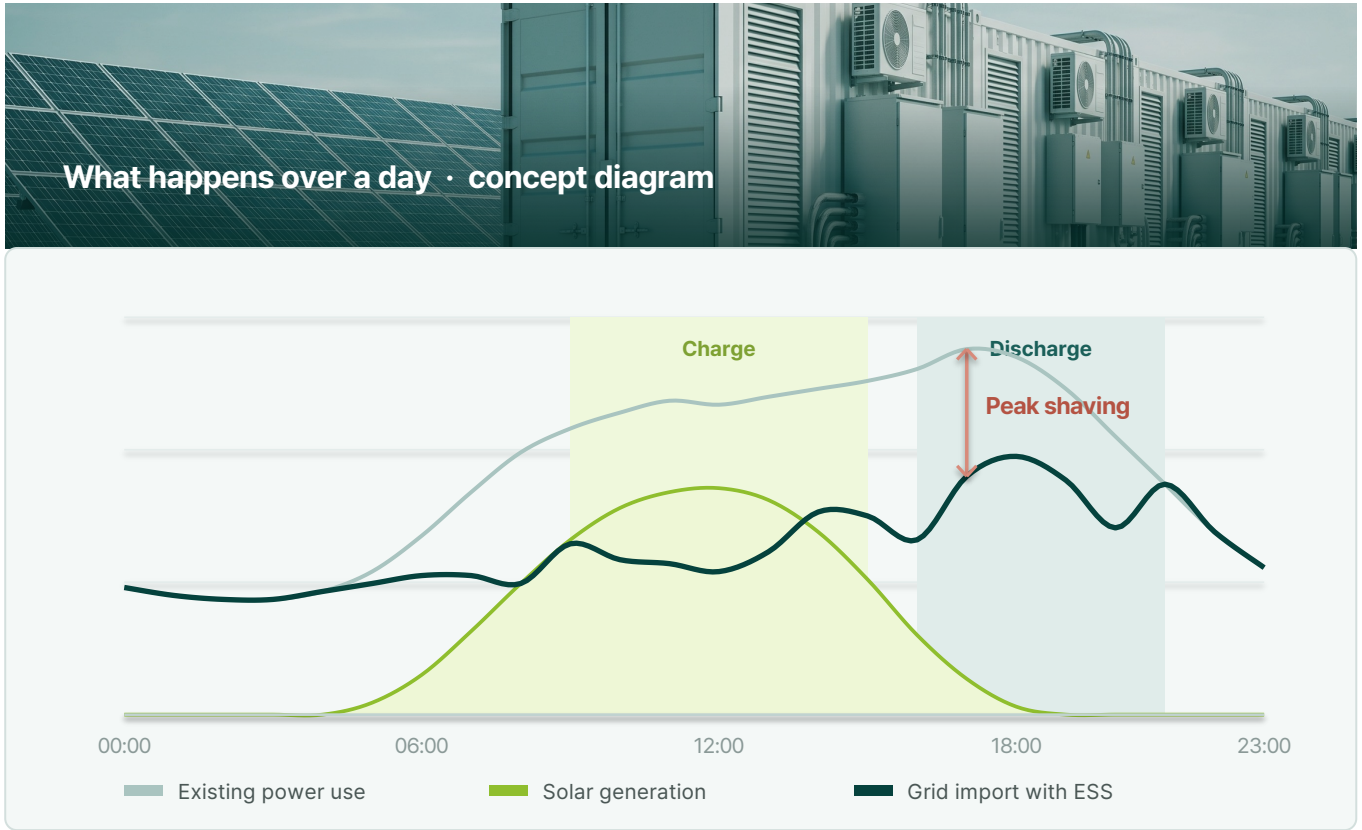
50 · 70%
Support rate: roof · wall (by operating record)

44.53%
ZEB avg. self-sufficiency (10,578 certified to 2026-04)

Bring BIPV in early and the design, capacity and budget all improve.

Power made at noon, used at peak

We store solar output and release it when it is needed. ESS bridges the time gap between generation and use.



Design varies with the objective

Solar pairing

Store output to sell in better hours or raise self-consumption

· Power producers · self-consumption sites

Peak shaving

Lower peak demand to cut demand and energy charges

· Factories and buildings with high contracted power and clear peaks

Market participation

Sell capacity into the power and ancillary services markets

· Operators above a size threshold · VPP participants

Safety matters as much as economics

Site requirements, fire protection, battery management (BMS) and monitoring are set at design, as are insurance terms.

Beyond the plant: trading and real estate

Building the plant is not the end. We enter trading markets, design RE100 routes and recalculate site value.



VIRTUAL POWER PLANT

VPP · power trading

04

Plants too small to enter alone are pooled to meet the market's size and accuracy thresholds.

Where revenue comes from

- Accurate forecasts earn payments
- Pooling meets the market's minimum size
- Output control with ESS opens markets
- Unified monitoring finds faults early

GRIDAEND is not a licensed power trader. We check eligibility and compare aggregator splits and terms.



ENERGY CONSULTING

Energy consulting

05

We analyze tariff and load, then compare RE100 options by cost · speed · recognized scope.

Service menu

- Bill review: tariff, capacity, peaks
- Payback on self-consumption PV and ESS
- RE100 options: PPA, REC, green premium
- Subsidies, net-zero and climate finance

Deliverables: energy assessment report, roadmap, payback analysis, eligible subsidy list



REAL ESTATE DEVELOPMENT

Real estate development

06

On idle sites and old buildings, energy assets lift rental or sale value and operating income.

What we review

- Logistics and industry: roofs, parking
- Older buildings: BIPV at facade renewal
- Public idle land: community projects
- Planned sites: energy in from permitting

We are not the property developer. We size a site's energy potential for the plan and pro forma.

PROCESS

Seven steps, from address to operation

We set out what GRIDAEND does at each step and what you receive.

	Step	Duration	What we do	Relative time	What you receive
01	**Site inquiry**	Same day	We need an address and contact; we do the rest.		· Receipt confirmation
02	**Feasibility assessment**	~5 business days	We review siting, grid, output, revenue, funding.		· Feasibility report
03	**Structure proposal**	About 1 week	We compare 20-year cash flow for three structures.		· Structure proposal
04	**EPC · product selection**	Varies by site	We compare bids on price, terms and warranty.		· Bid table · recommendation
05	**Financing · support**	Parallel to step 4	We cut the upfront cost with grants and financing.		· Funding plan
06	**Permitting · oversight**	Varies by authority	We handle admin and QC from license to inspection.		· Stage progress report
07	**O&M · settlement · expansion**	Ongoing after COD	We monitor output and review ESS · VPP revenue.		· Operations report

Review Execute Operate

The diagram shows relative duration only; actual timelines vary with project size, local authority and grid conditions.

FREE ASSESSMENT REPORT

Ten sections, one go/no-go answer

We assess the site's potential first, then tailor the proposal to the owner's situation.



Free, ~5 business days, no lock-in

Report contents — 10 items

01	**Cover · summary**	Go / no-go in one sentence
02	**Site overview**	Lot · area · zoning · satellite
03	**Regulatory review**	Setback · permit · conversion
04	**Grid connection review**	Headroom · queue · connection
05	**Output simulation**	Annual output · monthly profile
06	**Installation plan**	Capacity · layout · equipment
07	**Three revenue cases**	Low · base · high over 20 years
08	**Structure comparison**	Lease · self-funded · investor
09	**Risk rating**	Permitting · grid · objections
10	**Recommendation · steps**	Rationale · steps · schedule

How we write the report

We state our assumptions

We list the inputs used: efficiency, capacity factor, degradation and price.

If it doesn't work, we say so

If regulation, the grid or economics fail, we say why and advise against it.

We make no guarantees

We do not guarantee returns. Instead, three scenarios show the range.

PARTNER NETWORK

GRIDAEND acts as your single point of contact

Specialists handle product, EPC, finance and O&M. GRIDAEND compares terms and tracks schedules and QC results.

Product · manufacturing

Modules · inverters · BIPV

We review product ranges suited to the site early in the design stage

Construction · EPC

Design · procurement · construction

We compare terms from contractors experienced in each type of site

Finance · support programs

PF · facility loans · subsidies

We design funding routes that lower the upfront cost

Operations · O&M

Monitoring · settlement · maintenance

We monitor output and run regular checks to catch degradation early

Partner companies

EPC and O&M partners are appointed per project. Names and logos shown are trademarks of their owners.

한화시스템 · LS ELECTRIC · 삼천리 · BIPV No.1 SKSE 주식회사 에스케이에스이 · DASS Tech · SOLARTEQ

ENERDOT · η-solar 주식회사 에타솔라 · GREEN SOLAR · SOLAR PLAY · DABIN · DASARON

Clients deal with GRIDAEND only — a single point of contact.

What GRIDAEND does

- 5-point site review and report
- Request terms, compare, advise
- Structure and 20-year cash flow
- Schedule control and QC results

What partners do

- Module · inverter · BIPV supply
- Loan drawdown and subsidy filing
- EPC work by installation type
- O&M after commissioning

GET STARTED

It starts with the address and site basics

Send us the address and contact details; the assessment report follows in about 5 business days.

Where a site is viable, we also compare EPC and financing terms from several partners.

Free assessment | Reply: ~5 business days | No obligation | Nationwide review

CONTACT

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On site	In-person site visits

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Generation, revenue, price and market data in this document, including SMP and REC, are indicative only; assessment results are a preliminary opinion and do not guarantee permitting, grid connection or revenue.