

Turn your
ROOF into a
SOURCE of
POWER



Bord Gáis Energy and the Irish Farmers' Association have partnered to offer rooftop solar solutions to Irish farmers and commercial enterprises.

We've ensured that our comprehensive renewable energy solutions include a detailed assessment of the viability, design, and installation of a rooftop solar power system. Together, Bord Gáis Energy and IFA will provide you with ongoing aftercare support and real-time monitoring technology.



Why solar is a brilliant solution for your farm or commercial enterprise.

Solar power is a clean, reliable source of renewable energy with many benefits.

* If availing of TAMS funding, the system installed must be comparable to the previous 12 months energy usage.



Save money on energy costs - Reduce your electricity bills by moving to a solar rooftop solution which can effectively power energy-intensive processes on farms, significantly reducing energy costs through self-consumption.



Accelerate your net zero goals - Shrink your carbon footprint by generating 100% renewable power.



Monetise unused space - Use space on rooftops or land to generate low-cost, zero carbon solar power.



Reduce business risk - Protect your business from energy market volatility. Lock into predictable low-cost power for the 25+ year lifetime of your solar PV system.

Receive payments for the surplus energy you generate - If your solar installation generates more electricity than you need, the extra power can be sent to the grid and you may be compensated through your energy provider.*



Benefit from low maintenance costs - Solar energy systems have no moving parts unlike wind turbines, so there's less wear and tear. Lower maintenance costs mean you save more over time.



Avail of solar grants with TAMS - Grants aid is now available at 60% on solar PV systems, up to €90,000 and 62KW. Grants are also available on solar batteries.

Why choose IFA and Bord Gáis Energy as your solar solution provider?



Best interests

The IFA have protected and defended the interests of Irish farmers in all sectors for more than 65 years. IFA is actively working on farmers' behalf to promote their interests in renewables. Bord Gáis Energy is committed to providing innovative solar solutions for Irish farmers helping them de-carbonise their energy usage across rural Ireland.



Expertise

As Ireland's leading home energy management and services provider, Bord Gáis Energy has the technical and engineering capacity to deliver a high-class solar power system for your farm or business. Our team members are all experts in their fields and will oversee the survey, design, installation, care and maintenance of your solar system.

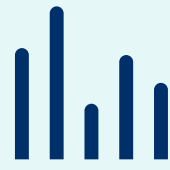


George Byrne

A tillage farmer from Co Carlow and IFA and Bord Gáis Energy Solar customer.



Support - Together, Bord Gáis Energy and IFA will provide the ongoing support and information you'll need to make the most of your new solar solution



Guidance - We provide advice on available supports

- Expected system performance
- Payback periods
- Ongoing data analysis
- Support and guidance with any technical issues
- Planning for future expansion of your system



Experience: Our team have installed 1,500 solar PV systems in Irish homes, farms and businesses and have provided post-installation support to over 2,000 solar PV installations



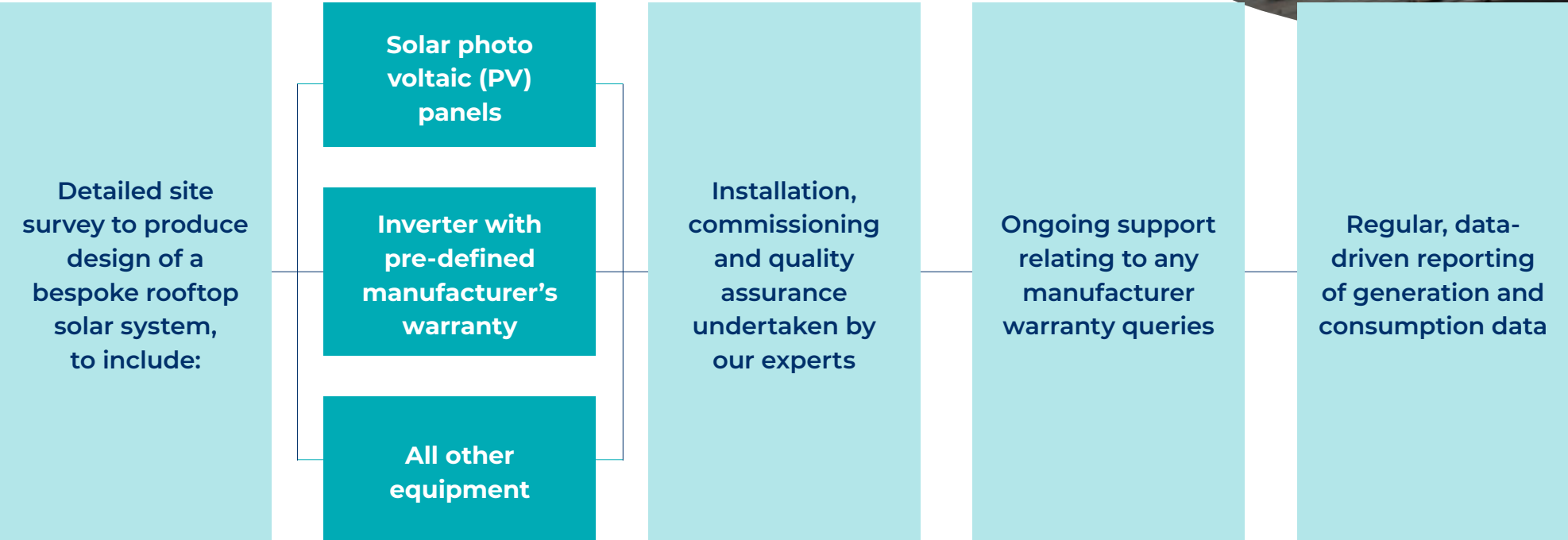
Quality: We provide a high-quality installation that is fully guaranteed by two trusted brands, using only the highest quality materials available and follow best and latest practices in the industry



Our solar solution

What does your IFA and Bord Gáis Energy solar solution include?

All installations will include the following:



Our solar solution

Sample installation*

- ✓ 3 phase 17kWp
- ✓ Premium tier one panels with 30 year warranty
- ✓ Huawei industry leading inverter with ten year warranty
- ✓ Fusion solar monitoring app
- ✓ Detailed technical survey and business case provided from trusted IFA/ Bord Gáis Energy partnership
- ✓ Optional battery installation with ten year warranty
- ✓ Glass-on-glass solar panels
- ✓ Hybrid inverter
- ✓ Real-time monitoring of system performance

*Business case and utilisation dependent.



The process

Your solar journey with the IFA and Bord Gáis Energy

1.



Visit ifa.ie/solar or call 0818 989 498 to complete an Expression of Interest.

2.



Initial visit from IFA to carry out high-level survey and provide indicative pricing.

3.



Complete detailed submission with information including maps and bills.

4.



Technical survey conducted by Bord Gáis Energy team. Final proposal issued to farmer. Deposit paid to secure system.

5.



Contact ESB networks for NC7 assessment. Apply for TAMS and/or financing.

6.



Schedule installation date with Bord Gáis Energy.

7.



Ongoing monitoring, quality assurance and warranty managed by Bord Gáis Energy. Completion of payment schedule.

Our solar technology

Huawei

- **World's largest manufacturer of solar inverters**
- **Workforce of 197,000**
- **170+ countries**

Quality and reliability are of paramount importance for solar inverters and Huawei inverters are subjected to some of the most extreme and rigorous testing procedures in the industry.



Support

24-hour global technical support



160+ global centres

for spare parts and technical support



921 billion kWh

green power generated



405 million tons CO₂

emissions reduced



554 million

equivalent trees planted

The Huawei inverter

Safe, reliable, efficient and intelligent.

Our Huawei inverters have integrated voltage protection, fault current monitoring and up to 10 years warranty. Their smart design architecture aids natural heat dissipation, meaning it creates its own natural cooling system. It's also battery ready, has a handy app to track energy generation and is highly water and dust resistant.



Manufacturer's warranty



Natural heat dissipation



Simple tracking The Huawei FusionSolar app simplifies the operation of your solar PV system, allowing you to track your energy generation.



Max. efficiency of 98.6%, A+/A+ for medium and high irradiation



Compatible with a battery in the future, if required



High ingress protection rating with high resistance to water and dust

The Huawei battery

A flexible investment – it's scalable



More usable energy

100% depth of discharge
Pack level energy
optimisation



Flexible investment

5kWh modular design
Scalable from 5 to 30 kWh



Safe and reliable

Lithium iron phosphate
(LFP) cell



Easy installation

12kg power module
50kg battery module



Quick commissioning

Automatically
detected in app



Perfect compatibility

Compatible with
residential single and
three phase inverter



Manufacturer's
warranty



Award winner In 2020, the LUNA2000 won the iF Design Award one of the world's three most prestigious design awards, also known as the "Design Oscar".

JA Solar panels and design

440W Deep Blue 4.0 PRO

JA Solar n-type module DeepBlue 4.0 Pro adapts cells cut from the next generation n-type rectangular silicon wafer size independently that features long lifespan and low oxygen content. The module has excellent power generation capacity and reliable performance. Integrating advantages such as high efficiency, high power, better power generation capacity and high reliability, DeepBlue 4.0 Pro increases customer value. JA Solar has been awarded “Top PV Brand” by EUPD in Europe and in many other countries, a recognition of the quality of JA Solar’s products and services.

**25
year**

**Manufacturer's
warranty**

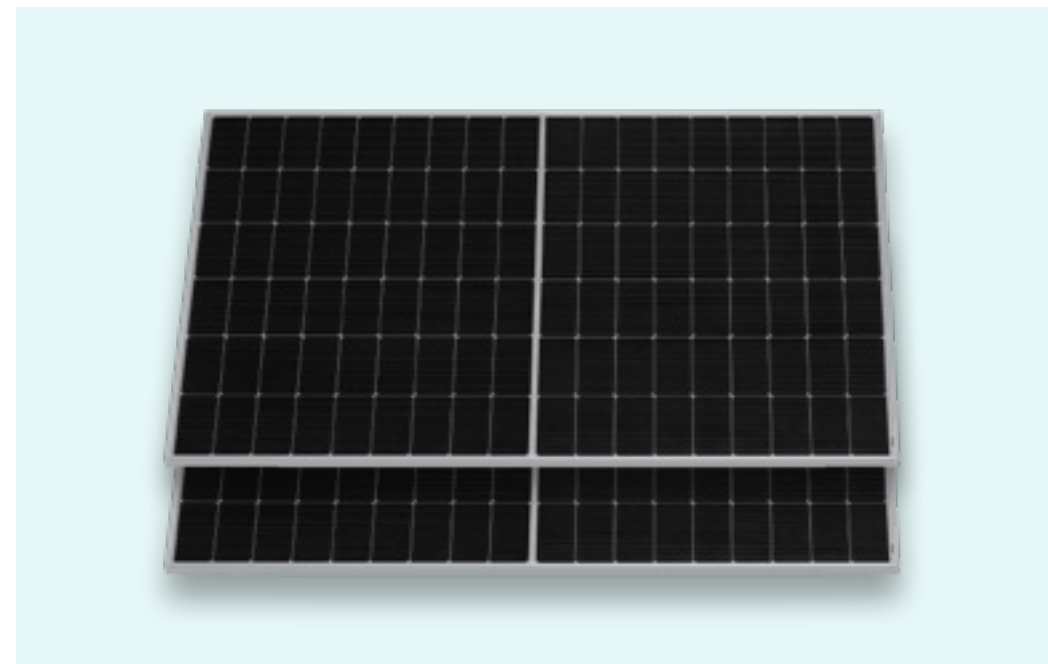
EUPD Cert WINNER

2016, 2017, 2018, 2019,
2020, 2021, 2022

**30
year**

Linear power output warranty

0.45% annual degradation over 30 yrs



Higher power generation better LCOE



N-type with very Lower LID



Better temperature co-efficient



Better low irradiance response

An aerial photograph of a farm. A large barn with a grey metal roof has a section of solar panels installed on it. The barn is surrounded by golden-brown fields and green grass. A red tractor and a red trailer are parked near the barn. A white car is parked in the foreground. The right side of the image is covered by a dark blue diagonal overlay containing text and logos.

For more information:

See ifa.ie/solar

Call **0818 989 498**

Email solar@ifa.ie

