

ROOFTOP  
SOLAR  
SOLUTIONS

# TURN YOUR ROOF INTO A SOURCE OF POWER

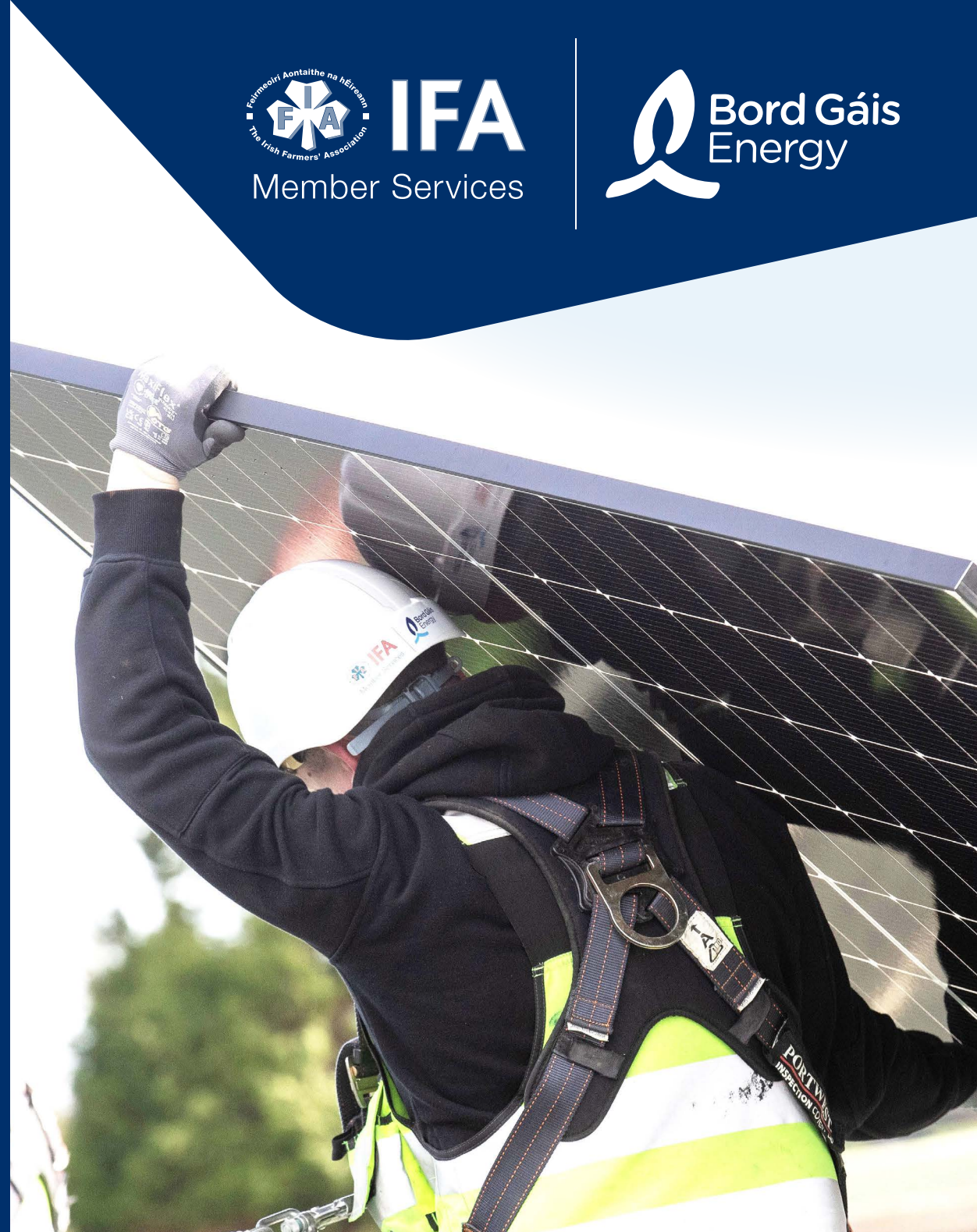


**IFA**

Member Services



**Bord Gáis  
Energy**



## **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.



Co. Longford dairy farmers Daniel and Andrew McHugh worked with IFA and Bord Gáis Energy to install a solar PV system on their land.

# 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**



**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.



**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.

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



# 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.



## Daniel McHugh

A dairy farmer from Co. Longford and an IFA and Bord Gáis Energy Solar customer.

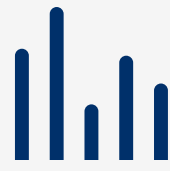


# Why choose IFA and Bord Gáis Energy as your solar solution provider?



## 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



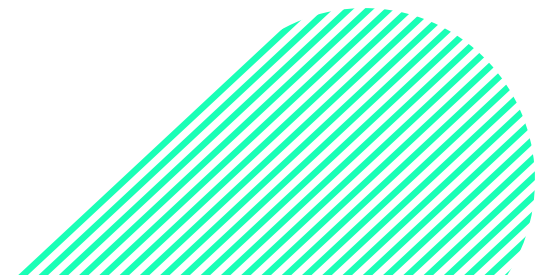
## Experience

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



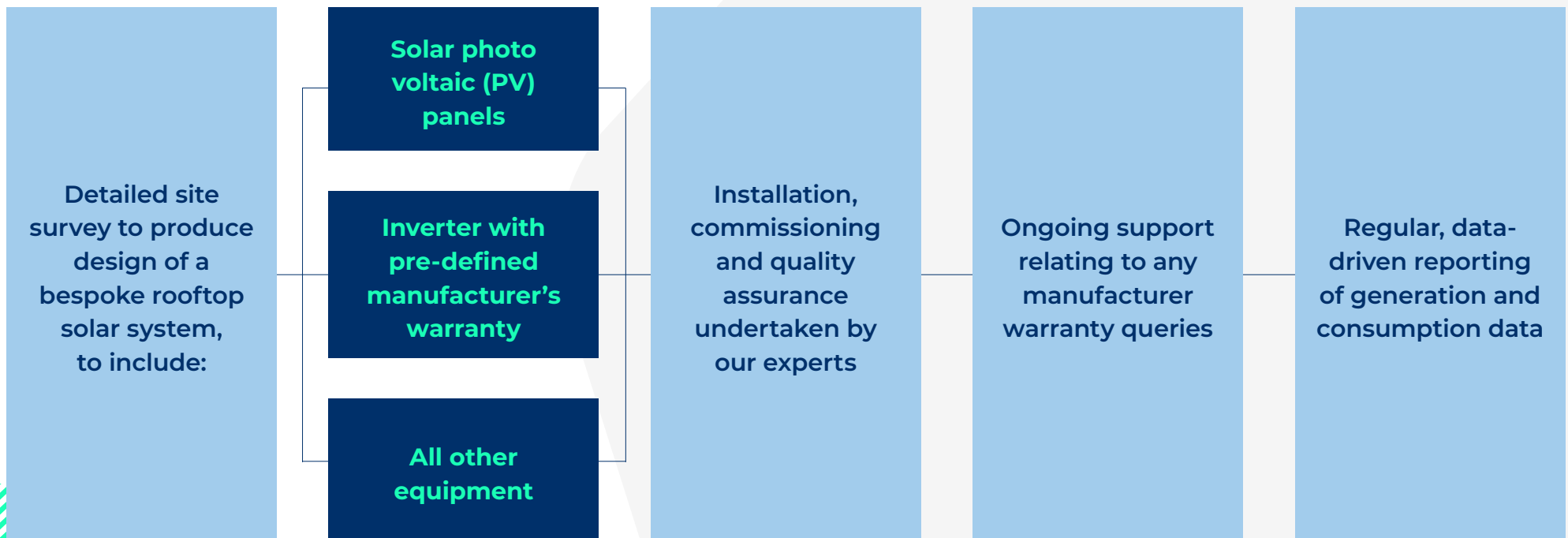
## Quality

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



# Your solar solution

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





# Your 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](https://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



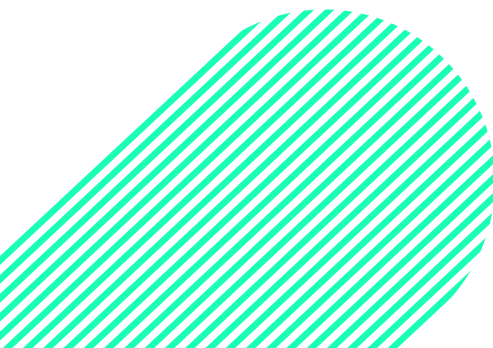
**921 billion kWh**  
green power generated



**405 million tons CO<sub>2</sub>**  
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

10  
year

Manufacturer's  
warranty



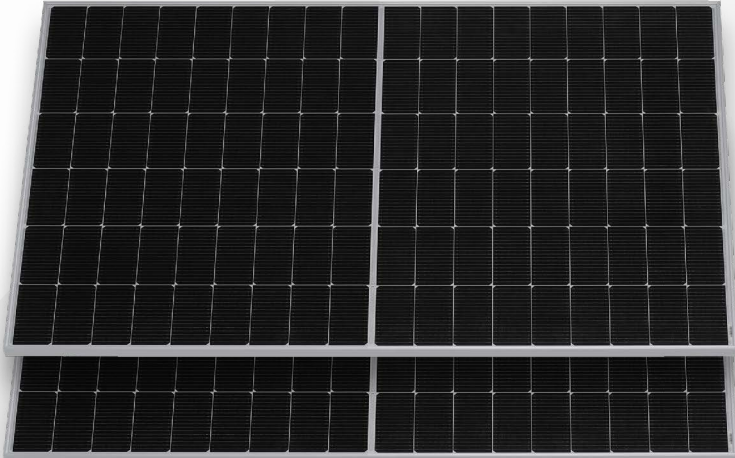
**Award winner** In 2020, the LUNA2000 won the iF Design Award one of the world's three most prestigious design awards, also known as the "Design Oscar".



# JA Solar panels and design

## 440W Deep Blue 4.0 PRO





JA Solar n-type module DeepBlue 4.0 Pro adopts 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



For more information

See [ifa.ie/solar](https://ifa.ie/solar)

Call **0818 989 498**

Email [solar@ifa.ie](mailto:solar@ifa.ie)



**IFA**  
Member Services

