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CASE STUDY 3 - WOODBRIDGE

Residential solar panels case study of an install of a Solar Panel System of 24 Jinko Tiger Neo 435W Solar Panels (10.44 kWp) on the roof of a house in Rendlesham, Woodbridge, UK.

INTRODUCTION

Richard, a homeowner in Rendlesham, Woodbridge, UK, was looking for ways to reduce his reliance on the National Grid and generate clean, renewable energy for his home. He contacted NXTGEN Energy Ltd. to explore the feasibility of installing a solar panel system on the roof of his property in Woodbridge, UK.

PROJECT DETAILS

Installer: NXTGEN Energy Ltd.

Location: Woodbridge, UK

Technology: 24 Jinko Tiger Neo 435W N-Type All Black Mono Solar Panels (10.44 kW system)

Installation: January 2024



SOLAR SOLUTION

NXTGEN Energy Solar Energy Specialist Bobby proposed a 10.44 kW solar PV system tailored to Richard's specific needs and unique roof characteristics.

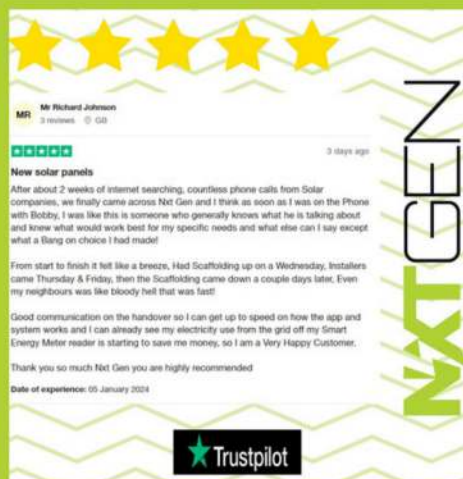
Here's a breakdown of the key components:

SOLAR PV SYSTEM

24 Jinko Tiger Neo 435W N-Type All Black Mono Panels:

These solar panels boast an impressive 21.4% efficiency rating, meaning they convert a larger portion of sunlight into usable electricity. Their all-black design adds a modern aesthetic to Richard's roof.

5-STAR CUSTOMER REVIEW



RICHARD JOHNSON - WOODBRIDGE

After about 2 weeks of internet searching, countless phone calls from Solar companies, we finally came across Nxt Gen and I think as soon as I was on the Phone with Bobby, I was like this is someone who generally knows what he is talking about and knew what would work best for my specific needs and what else can I say except what a Bang on choice I had made!

From start to finish it felt like a breeze, Had Scaffolding up on a Wednesday, Installers came Thursday & Friday, then the Scaffolding came down a couple days later, Even my neighbours was like bloody hell that was fast!

Good communication on the handover so I can get up to speed on how the app and system works and I can already see my electricity use from the grid off my Smart Energy Meter reader is starting to save me money, so I am a Very Happy Customer.

Thank you so much Nxt Gen you are highly recommended

Growatt SPH 6kW Dual

MPPT Hybrid Inverter: This versatile inverter acts as the brain of the solar PV system, converting the DC electricity generated by the panels into AC electricity for his home appliances. Its dual MPPT technology ensures optimal solar energy harvesting even in challenging shade conditions.

Comprehensive Monitoring

System: Richard can keep track of his energy production and consumption in real-time through a dedicated meter and monitoring system. This allows him to optimize his solar energy usage and maximize the benefits of his solar PV system.

MCS Accreditation: The PV system meets the standards set by the Microgeneration Certification Scheme (MCS), guaranteeing its quality and eligibility for UK government incentives like the Smart Export Guarantee scheme.

SOLAR RESULTS

Reduced Carbon Footprint: By generating clean energy, the solar PV system is projected to save Richard about 1,600 kg of CO₂ (carbon dioxide) emissions annually. This is equivalent to planting 78 new trees or driving about 6,000 miles in a car.

Financial Savings: With an estimated payback period of 5 years, the solar PV system is expected to save Richard money on his bills over the long term. Additionally, the Smart Export Guarantee (SEG) Scheme payments from exporting excess solar energy to the National Grid will further boost his financial gains.

Increased Energy Independence: This system provides Richard with a reliable source of clean energy, reducing dependence on the Grid and empowering him to take control of his energy consumption today, tomorrow and in the future.

CONCLUSION

This case study demonstrates the power of a well-designed and installed solar PV system like the one implemented for Richard in Woodbridge, UK. By choosing a reputable MCS Certified company like NXTGEN Energy and opting for high-quality components, homeowners can achieve significant environmental and financial benefits while gaining greater energy independence. Richard's story serves as an inspiration for others to explore the possibilities of solar & join the clean energy revolution.

Remember, this case study is just a starting point. Consulting with a qualified solar installer like NXTGEN Energy Ltd. for a personalised assessment and free no-obligation quote on 01268 928 690 or email the solar team at info@nxtgen.ltd for a quote tailored to your property and your needs is crucial before making any final decisions.