

# Case Study

## **Little Miracles**

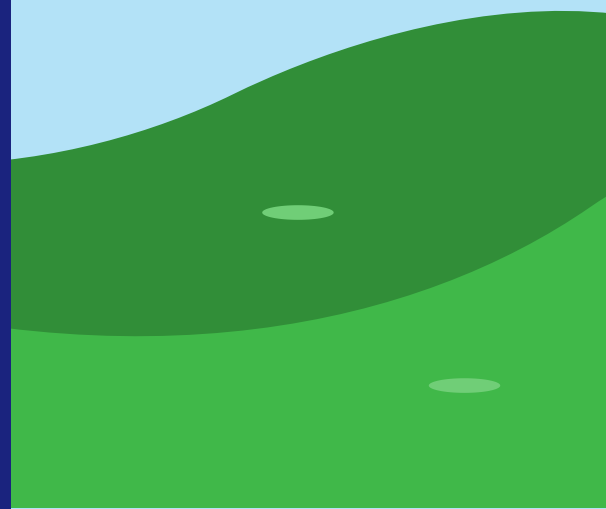


## Summary

- **Location:** Peterborough
- **Capacity:** 15.2kW
- **Type:** Solar PV roof installation
- **Developer:** Next Generation Renewable Energy (system donated by Segen)
- **Owner:** Greg Bishop
- **Panel type:** Monocrystalline
- **Completion date:** 2024



A leading global wholesale distributor of solar PV, energy storage systems, electric vehicle charging and other associated components. Founded in 2004 in the UK, we have grown rapidly since.



## Overview

Segen and long-term customer, Greg Bishop from Next Generation Renewable Energy (NGRE) recently came together to help children's charity Little Miracles who were suffering from surging energy expenses. Earlier this year, Little Miracles, a UK charity supporting families with children who have additional needs, disabilities, and life-limiting conditions, reached out to NGRE for help.

Little Miracles is a charity that supports families who have children with additional needs, disabilities and life-limiting conditions. They provide a non-judgemental environment where they use their holistic approach to support the needs of the whole family. They specialise in providing advice, guidance, support, activities, training and safe places to any family that has a child with an additional need, disability or life-limiting condition. This includes providing support before they are diagnosed and from birth to 25.



## Project Summary

The charity's Peterborough headquarters, built by the BBC's DIY SOS in 2013, was struggling with escalating energy costs, with average monthly electricity expenses surpassing £250. However, thanks to NGRE and Segen, who donated a free 32-panel solar PV system, the charity has now halved its electricity costs, allowing more funds to directly benefit the children and their families.

The 32 x JA Solar 435W bifacial traceable panels are projected to generate 10,740 kWh of electricity annually. These panels are connected to a 10kW SolarEdge inverter, enabling Michelle and her staff to monitor their energy usage, track generation, calculate savings, and make adjustments for more efficient energy use.

Michelle said: *"I must admit it's become a bit of an obsession looking at the app and seeing what the panels are generating and what we are saving. And we're also thrilled that it has helped us reduce our carbon footprint."*

Greg added *"I immediately contacted our supplier, Segen, who offered all the equipment for free, and we sent a team over to Peterborough and undertook the install."*

*Eyre & Elliston supplied the electrical components free of charge and D and A scaffolding supplied the scaffold for free. A big shout out to Emerson Patton for keeping us in tea and bacon rolls.*

*Not only does this mean that the charity will save money on bills now and for years to come, they'll also have some insulation from the unpredictable future energy price increases."*

Thanks to everyone's help Little Miracles' electricity bill has been reduced by almost 75%.



## Outcomes

The system, which would normally have cost the charity over £15,000, was donated by Segen, with the install being completed free of charge by NGRE.

Michelle King, CEO of Little Miracles, said: *"We'd been thinking of investing in solar panels for a while, but it's been financially out of reach."*



*But our energy bills have been getting higher and higher and quite frankly getting a bit too much and to be honest, it did keep me awake at night.*

*A lot of our funding comes from restricted donations whereby money must be spent in specific ways such as on care equipment, not on gas and electricity.*

*And you want your donations to be spent directly on the children, but we couldn't obviously run without gas and electricity."*

Greg Bishop, Managing Director of NGRE and one of Segen's most consistent customers over the past 14 years, added "We anticipate that this system will reduce their electricity bill by around 65% meaning that money can be spent providing better services for the children."

## Local Benefit

- The solar PV system generates clean energy, reducing Little Miracles' carbon emissions and contributing to a healthier environment for the community.
- The collaboration between NGRE, Segen, and other local businesses showcases the power of community partnerships and highlights the positive impact on the local economy.

## Community Benefit

- By significantly reducing electricity costs, the charity can now allocate more resources directly to supporting children and their families
- The successful partnership between the charity, businesses, and the community demonstrates the potential for collective action to address community challenges.



**Learn more about what's happening at Segen at [www.segen.co.uk](http://www.segen.co.uk)**



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