

Grant Recipient	Region	Local Authority Area (project installed)	Grant Value	Project Headlines (please summarise the key elements of the project and key benefits expected)
Y Felin Ddwr Charitable Trust	SW	Swansea	£ 294,900.00	<p>"To use power from the solar park and battery at our farm to further electrify the farming activities being carried out on site.</p> <p>The project directs power from the solar park and battery at our farm to electrify as many activities and operations as possible on the farm itself and for the businesses based there.</p> <p>When the solar park was built in 2017, the electricity produced had to go straight to the grid. With the battery storage scheme running alongside the solar park, power could be sensibly utilised on-site. This will require some modifications to existing cabling, some new control distribution boards, metering and equipment such as fast-charging points. With open days, mentoring and information exchange, we hope to give other local farmers confidence to make similar moves themselves, reducing Swansea's carbon footprint further.</p>
Newport Playgoers Society	SE	Newport	£ 626,908.00	<p>The project involved the installation of a solar PV (98kW) and battery storage system (3 x 23 kWh) to maximise roof space utilisation and enable energy storage during off-peak periods for use during peak tariff times. This setup enhances energy resilience and reduces reliance on grid electricity during high-cost periods.</p> <p>All non-stage lighting was upgraded to high-efficiency LED fixtures, integrated with smart timers and PIR (Passive Infrared) sensors to ensure lighting is only active when needed, improving energy efficiency across the site.</p> <p>Heating was provided through an infrared heating system, chosen for its effectiveness in both large open areas and smaller meeting rooms. These units were also controlled via timers and PIR sensors to minimise unnecessary energy use.</p> <p>To support indoor environmental quality and energy optimisation, the project included the deployment of smart environmental sensors capable of monitoring temperature, humidity, CO₂ levels, particulate matter, and mould risk.</p> <p>All systems were integrated into a centralised smart energy control platform, enabling real-time monitoring, automation, and optimisation of energy usage across the facility.</p>

Menai Science Park	North	Isle of Anglesey	£ 624,500.00	<p>Menai Science Park (M-SParc) was successfully awarded £624,500 through Ynni Cymru funding as part of a £677,500 project to decarbonise the heating and hot water systems within M-SParc, add additional PVs to the site and enhance the BMS system to enable smarter, more efficient data collection and monitoring. This reduced the scope 1 emissions to zero and reduces some of the emissions that are technically associated with scope 2. It also enables M-SParc to monitor energy consumption at a much more granular level, allowing for the gamification of energy savings across the tenant community and hopefully increased energy efficiency savings. This places M-Sparc on track for their 2030 net-zero target and potentially on route to becoming the UK's first Net-Zero science park.</p> <p>The installed systems include a 35 kW solar PV array, a 270 kW air source heat pump space and water heating system and an upgraded building management system to improve data granularity and transparency. This complements existing solar PV and electric vehicle charging facilities.</p>
Holywell Town Football Club 1947 LTD	North	Flintshire	£ 330,303.60	<p>Holywell Town Football Club has significantly reduced its carbon footprint and improved energy efficiency by implementing a comprehensive SLES. The football club estimate the SLES will reduce their energy costs by 80%. This project will help to transition the club's facilities towards a net-zero energy model, making it a more environmentally responsible and cost-effective operation. It also allows the club to reinvest resources into player development, community programs, and facility improvements. The club have installed 38 kW of Air Source Heat Pumps to provide both heating and hot water, reducing reliance on traditional fossil fuel-based systems, 39 kW rooftop Solar PV to generate renewable electricity, allied to a 16 kW Battery Energy Storage System to store excess energy for use during periods of low solar generation, 2 x 7.4 kW Battery EV chargers to provide a sustainable option for members and visitors to charge their electric vehicles, and LED floodlights with smart controls to replace existing lighting fixtures, resulting in significant electricity demand reduction and reduced light pollution. A smart 'Loxone' energy management system is used to optimise the operation of the various technologies, ensuring maximum energy efficiency and cost savings.</p>

<p>Nant Y Moel Boys & Girls Club and Community Centre</p>	<p>SE</p>	<p>Bridgend</p>	<p>£ 102,106.00</p>	<p>The Nant Y Moel Boys & Girls Club and Community Centre (MEM) has completed a smart energy upgrade focused on reducing running costs and supporting local sustainability goals. Originally designed to include a 36kW Air Source Heat Pump and 54 x 430W solar panels, the project evolved to reflect on-the-ground constraints . The final delivery included 56 x 450W Sharp solar panels (25kW total capacity), 8 x 5.8kWh battery storage units, a Myenergi Eddi system to optimise solar self-consumption, motion sensor lighting in key areas to reduce energy waste, and a fully installed EV charge point to support clean transport. The Air Source Heat Pump was removed from the project following planning and technical challenges, leading to a reallocation of funds towards energy storage, lighting controls, and solar panel bird protection. These changes resulted in a reduced total project cost of £70,948.54, while maintaining strong environmental and economic outcomes. The centre now benefits from lower electricity bills, greater energy resilience, and a clear role in promoting smart local energy systems.</p>
<p>Caban CIC</p>	<p>North</p>	<p>Gwynedd</p>	<p>£ 118,677.00</p>	<p>The CABAN CIC Smart Local Energy System (SLES) project has delivered a high-impact, future-ready renewable energy system that significantly reduces carbon emissions. The completed system includes 60 x 480W Eurener Nexa solar panels (29kWp total capacity) and a 30kW / 69kWh Battery Energy Storage System, alongside two 16kW Viessmann cascaded Air Source Heat Pumps (ASHPs), smart LED lighting, tenant electricity metering, a community e-bike charging station, and a real-time educational energy dashboard. The project replaces gas heating entirely, with annual gas usage reduced from 12,504 kWh to zero, and local electricity generation increasing from 0 to 32,800 kWh/year. Grid electricity demand has dropped dramatically from 48,730.7 kWh/year to 16,252 kWh/year, with 30,065 kWh/year now met through onsite renewable generation, reflecting a major shift toward energy independence. The small reduction in total electricity use reflects both improved lighting efficiency and the electrification of heating via ASHPs.</p>

Swansea Mosque and Islamic community centre	SW	Swansea	£ 105,679.00	<p>The Swansea Mosque and Islamic Community Centre has implemented a Smart Local Energy System (SLES) to address rising energy costs, reduce its carbon footprint, and enhance the affordability and sustainability of its community services. With funding from Ynni Cymru, the project delivered a 29.6kW solar PV system paired with a 30kW battery storage system, alongside the installation of a solar thermal solution comprising two 300L unvented cylinders and five Navitron flat plate solar thermal panels. These technologies are designed to significantly reduce utility bills by maximising onsite renewable energy generation and minimising reliance on grid electricity and gas heating. The battery system enables the storage of excess solar power for use during peak hours and at night, increasing energy efficiency and improving cost stability. The solar thermal system supports hot water needs, further reducing gas demand.</p>
Prysor Angling Association	North	Gwynedd	£ 105,000.00	<p>Prysor Angling Association has implemented a Smart Local Energy System (SLES) to enhance sustainability, reduce operational costs, and contribute to the decarbonisation of rural community infrastructure. Funded in part by Ynni Cymru, Parc Cenedlaethol Eryri, and Nuclear Restoration Services, the project centred on the installation of a 49.02kWp solar PV system on the large, south-facing roof of the clubhouse, complemented by a 14.4kWh battery energy storage system and a dual fast EV charging point. The combination of solar generation and smart battery storage ensures that daytime electricity demand, which peaks during summer angling activity, is met sustainably. Surplus solar energy is stored for later use or exported to the grid, optimising the return on investment and supporting local grid balancing. The EV chargers, powered primarily by onsite renewable generation and the adjacent new substation, add value by enabling clean transport access for members and visitors.</p>
Gwersyll yr Urdd Llangrannog	North, Mid, SE, SW	Ceredigion	£ 77,000.00	<p>Urdd Gobaith Cymru is a National Voluntary Youth Organisation with over 55,000 members - they provide opportunities through the medium of Welsh for children and young people in Wales to enable them to make positive contributions to their communities. Gwersyll Llangrannog was founded in 1932 as Urdd Gobaith Cymru's first permanent centre. The centre successfully applied for Ynni Cymru Capital Grant Funding to help deliver a Smart Local Energy System (SLES) which incorporates a 52kW Solar PV system, 3-phase inverter upgrade, 40kWh battery storage system, and SolaX cloud monitoring. The project will contribute to the organisation's goal of being carbon neutral by 2035 and will result in significant energy cost savings.</p>

Aberporth Village Hall and Recreation Ground	SE	Ceredigion	£ 48,126.00	This group based in Aberporth has recently finished constructing a new village hall building, and had a valid quote for a range of sustainability enhancement measures to be added by the principal contractor. The scope was to extend the existing 14 kWp with an additional 19kWp of rooftop solar - Total installed capacity would then be 33 kWp system (DNO approval secured), as well as adding 20kWh of battery storage and increase the EV charging infrastructure in a popular public car park from 2 chargers to 3.
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Kidwelly Town Community Hall	SW	Carmarthenshire	£ 48,510.00	Welsh Government's Ynni Cymru Capital Grant Funding (£48,510) has enabled the Princess Gwendolyn Community Hall in Kidwelly to deliver a Smart Local Energy System (SLES). The SLES involves Solar PV system and batteries, and the project was completed in March 2025. In addition to the environmental benefits that the SLES will deliver, the centre is a charitable not-for-profit organisation and by lowering running costs Ynni Cymru's investment will secure the future of the centre and the community activities it supports. The hall is used by a range of organisations including the Welsh Blood Service, local schools, and the local foodbank, which means that the project will deliver considerable socio-economic benefits across the local community.
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Made In Tredegar LTD	SE	Blaenau Gwent	£ 36,548.80	Made In Tredegar are the owners and custodians of The Little Theatre, Tredegar, a community theatre and event space that promotes the arts, live stage performances and local talent, ensuring the wellbeing of the community it supports. They were awarded £36,548 to deliver a Smart Local Energy System (SLES), and installed a system which included solar PV, inverters, battery storage, and monitoring systems. The SLES project has significantly reduced the Little Theatre's reliance on fossil fuels and their utility overheads. The reduction in overheads means that the theatre is financially viable for the foreseeable future, and can continue to provide a much needed source of community cohesion and wellbeing within the community.
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St Asaph Cathedral	North	Denbighshire	£ 37,000.00	<p>The project at St Asaph Cathedral involved the installation of a 9.66 kWp solar PV system, comprising 23 Tier 1 Trina Solar panels equipped with SolarEdge optimiser technology, mounted on the flat roof extension of the cathedral. To complement the solar generation, the project also included the installation of two Tesla Powerwall 3 battery storage units, enabling energy storage for use during peak demand or low-generation periods.</p> <p>In addition, the project upgraded the existing lighting within the cathedral and diocesan office to high-efficiency LED lighting, significantly reducing electricity consumption and improving overall energy performance.</p>
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AWEN CULTURAL TRUST	SE	Bridgend	£ 29,931.19	Originally the project was to focus on the Metropole Cultural and Conference Centre in Abertillery (https://awenboxoffice.com/venues/the-met/hire-us/) but a detailed roof survey revealed works were required that couldn't be completed in the timeframe. The Awen Cultural Trust had another three buildings that could instead benefit, and which WG were happy to support: two with previously installed Solar PV arrays to which a battery was added, and a third that saw a combination of a Solar array plus a battery being added, therefore further reducing reliance on the grid for the Trust's portfolio of buildings.
Nant Conwy RFC Cyf / Clwb Rygbi Nant Conwy	North	Conwy	£ 30,270.00	The Clwb Rygbi Nant Conwy SLES project joins up different energy generation, storage, demand, and infrastructure assets within the club site and the adjacent Gwydir Forest. The Ynni Cymru SLES project was to entail of 18kw solar panels, 20kw battery storage and 2 EV charging points. The project formed part of a wider scheme to enable the sustainability of the club, achieve net zero within two years and use locally produced energy in a smart way. Unfortunately the cabling that was in place was not sufficient for the 22kw chargers that the Club wanted to install. New cabling and the required groundworks could not be delivered with the budget available, nor in the delivery window, so these had to be dropped from the final project
Haush Pembroke Ltd	SW	Pembrokeshire	£ 981,800.00	Haush Pembroke Ltd have created an innovative SLES including a modular hydrogen refuelling station installed on the quayside at Pembroke Dock, with compression, storage, and dispensing functionality - capable of refuelling both roadgoing and seagoing vehicles. As part of the SLES three Toyota Mirai hydrogen powered fuel cell electric vehicle have been made available for community transportation purposes, port activities and wider showcasing, with the aim of informing and accelerating the transition to green hydrogen for road use. A repurposed inshore seagoing service vessel has been purchased and retrofitted with hybrid hydrogen technology, to act both as a local demonstrator of hydrogen as an energy vector ideally suited to maritime use, and to highlight the ease of retrofitting. The vessel will be made available for local use and for excursions aimed at promoting the area and its progressive attitude to adoption of clean fuel technologies.

Challoch Energy Limited	SE	Bridgend	£ 493,500.00	<p>Challoch Energy Ltd and the South Cornelly Renewable Energy Community interest Company (SCRECIC) have partnered to create the South Cornelly Local Energy Market (LEM). The LEM consists of:</p> <ol style="list-style-type: none"> 1. The Local Energy Operating System (LEOS) sits at the centre of the LEM and controls all energy flows within the market (it is a Distributed Energy Resource Management System or DERMS). LEOS aggregates generation and storage into a Virtual Power Plant (VPP) that delivers advanced predictive and (near) real-time reactive control and energy management algorithms for the renewable assets within the LEM, allowing the system to match real-time supply with demand. 2. The project installed rooftop PV (4 kW per home), battery storage (5.2 kW per home) and in-house controls tech within 51 homes in the village. Using the LEOS platform and working in partnership with Energy Local (and 100Green as the licensed electricity supplier for balancing energy) the homes that have joined the LEM (not just the 51 with the PV and battery assets) will be able to benefit from the lower cost renewable electricity being generated in the village (LEM participating residents directly using solar/battery will realise a 40-50% saving on bills, and residents consuming with no direct local solar/storage via the LEM will still realise a 15-20% saving on bills due to licence exempt trading savings). The aim of the LEM is to create a blueprint for community decarbonisation that can be replicated across Wales. The project ensures assets are in local community ownership, with revenue flowing to the CIC for reinvestment in the village thus driving decarbonisation in a fair and affordable manner.
Winds – Wind Development Services Limited	SW	Pembrokeshire	£ 152,342.08	<p>Winds – Wind Development Services Ltd (WDS), in partnership with Transition Bro Gwaun (TBG), has delivered a transformative Smart Local Energy System (SLES) at Clegyrn, a high-demand dairy farm already benefitting from an 80kW wind turbine. The project added a 120kW rooftop solar PV array, a 129kWh battery storage system, and a 22kW EV charging point, all controlled via an integrated Energy Management System (EMS) that intelligently coordinates generation and storage to maximise on-site renewable energy use. Crucially, this initiative aligns with TBG’s 2035 Net Zero vision and demonstrates how rural agricultural operations can lead the way in decentralised, smart energy systems. The financial model developed through this partnership delivers tangible local benefits. The system is expected to generate £13,000 in annual revenue, with a portion allocated to TBG’s Community Climate Fund, directly supporting wider community decarbonisation efforts. The dairy farm, as the energy customer, is also projected to save £4,000 annually on electricity bills through on-site solar and battery use.</p>

Podiau Blaenplwyf Pods	SW	Ceredigion	£ 46,852.00	<p>The project aimed to install a comprehensive renewable energy and energy efficiency system to power its glamping site, Car Mechanic Garage and a Dog Park alongside associated facilities. The proposed technologies included a ground mounted solar photovoltaic (PV) system (32Kw) capable of generating 20,000 kWh annually, which will meet the energy demands of the glamping pods, the on-site garage and the dog park. Alongside, a battery storage system will be implemented to store excess solar energy, ensuring maximum self consumption, reducing reliance on the grid, and providing backup power during low production periods.</p> <p>The project also included the installation of two electric vehicle (EV) charging stations, intended for use by guests and the local community, particularly those visiting the proposed dog park.</p> <p>The rationale behind this project is to significantly reduce the carbon footprint by transitioning to renewable energy and adopting energy efficient technologies. By integrating solar PV, battery storage, and EV charging infrastructure, the business not only operate more sustainably but also lower energy costs and provide additional services to the community. This project supports long term energy resilience within the businesses, while promoting green tourism in the region.</p>
Little Pencoed Farm Ltd	SW	Pembrokeshire	£ 28,764.00	<p>The project at Little Pencoed Farm Ltd focused on enhancing energy efficiency and increasing on-site renewable energy consumption within a co-working space that supports 10 local businesses. It involved the expansion of the existing solar PV system and 20kWh battery storage, improving the utilisation of renewable energy through enhanced inverter performance and storage capacity.</p> <p>To further optimise energy use, the project integrated smart energy management technologies, including an Eddi solar water diverter, which redirects surplus solar energy to water heating. The building's heating system, already a hybrid of an air source heat pump and biomass wood burner with thermal stores, was retained and supported by these upgrades.</p> <p>An Electric Vehicle (EV) charging point was also installed to encourage sustainable transport among users of the co-working space.</p> <p>Overall, the project aimed to maximise renewable energy generation and self-consumption, reduce carbon emissions, and promote sustainability in a rural setting. It aligns with Smart Local Energy Systems (SLES) principles by integrating renewable energy, storage, and transport infrastructure to benefit the local business community.</p>

Isle of Anglesey Council	North	Isle of Anglesey	£ 781,337.00	Complementing an already funded solar carport, EV charging and heat pump scheme by adding additional solar carports and a battery energy storage system at the Council's headquarters. The batteries store energy from the solar carports ensuring solar power is stored for later use, reducing reliance and strain on the electricity grid.
Cardiff Council	SE	Cardiff	£ 857,000.00	Solar PV, battery storage and Smart Energy Management System controls across eight leisure sites
Gwynedd Council	North	Gwynedd	£ 299,000.00	Solar PV and battery storage across five school, leisure and care home sites within the Dyffryn Ogwen Valley
Denbighshire Council	North	Denbighshire	£ 203,302.00	Denbighshire County Council have created a SLES at their Rhuddlan primary fleet depot. The project is a single site SLES integrating 90 kW solar PV, a Battery Energy Storage System (BESS), Air-to-air ASHP (replacing an oil fired hot air blower), smart controls and monitoring, smart EV charging with dynamic load management, and demand reduction via LED lighting. The project provided compelling evidence that the project can have a wider benefit by reducing strain on the grid and improving system resilience. Other wider societal benefits included the use of local supply chains.
Powys County Council	Mid	Powys	£ 97,326.00	Solar PV, battery storage, smart metering to supply existing site electrical loads and existing EV chargers at Frwdgrech Highways Depot and Welshpool Church In Wales School
Rhondda Cynon Taf County Borough Council	SE	Rhondda Cynon Taf	£ 61,536.59	Solar PV, battery storage, EV charging infrastructure, and smart controls at Cambrian United Football Club
Cardiff Metropolitan University	SE	Cardiff	£ 852,871.00	90 kW Solar PV, 200 kWh battery storage, Air Source Heat Pump and electric boiler and LED lighting to Blocks M&N at the University's Llandaff Campus in Cardiff
Aberystwyth University	Mid	Ceredigion	£ 115,755.00	24 kW Solar PV and Air Source Heat Pump to the University agricultural research centre which hosts a commercial dairy farm

	SW, SE			Community energy organisation Egni Co-op installed a battery energy storage (1.6 MWh) and electric vehicle charging to complement previously installed rooftop solar (2.6 MW capacity) to create SLES systems at 13 schools, public buildings and leisure centres in Pembrokeshire and the City of Newport. Egni also installed an integrated solar car port, BESS and EV charging system at Lliswerry High School. Egni led the project and install, own, manage and maintain the systems, including rooftop leasing arrangements for solar PV. Egni earns revenue selling the electricity generated by the solar PV and stored in the batteries to the public buildings via a private wire PPA at a discount over grid rates. The installed technology is controlled in a smart way so that energy is used for the most optimal process(es) at the right time to maximise onsite self-consumption and reduce carbon emissions. When site electricity demand is satisfied, and battery energy storage is full then the system is set up with controls and export metering to automatically send excess renewable electricity to the grid in return for export Power Purchase Agreement (PPA) payments. The community energy organisation reinvests revenue earnings to support further and wider projects. SLES systems completed at Llanwern High School, Newport High School, Maes Ebbw School, NISV Tennis & Pool Centre, St Joseph's High School, Newport Velodrome, Golden Grove Primary School, Fishguard Leisure Centre, Tenby Leisure Centre, Ysgol Harri Tudur, Ysgol Caer Elen and Pembroke Dock Community School, and Lliswerry High School.
Egni Co-op		Pembrokeshire and City of Newport	£ 1,000,000.00	
	North			Community Energy company Ynni Lleu installed 350 kW Solar PV and 320 kWh battery storage to a local business park. Ynni Lleu earns revenue selling the electricity generated by the solar PV and stored in the batteries to on site tenants Adra Housing Association, Travis Perkins Builders Merchants and Pero Foods a local dog food retailer via a private wire PPA at a discount over grid rates. The installed technology is controlled in a smart way so that energy is used for the most optimal process(es) at the right time to maximise onsite self-consumption and reduce carbon emissions. The community energy organisation reinvests revenue earnings to support further and wider community and environmental projects.
Ynni Lleu CBC		Gwynedd	£ 384,000.00	
	SW, SE			Rooftop solar PV, battery storage, battery electric vehicle chargers and solar hot water diverters installed across 7 separate mosques in South Wales as part of the Gwyrdd Bangla Community Energy scheme.
Ynni Teg Cyfyngedig		Port Talbot, Cardiff, Newport	£ 294,355.00	

Mid

CAT and Bro Dyfi Community Renewables have partnered to deliver a local microgrid to utilise energy from an existing solar PV farm with a new integrated battery storage, EV/bike charging control centre. The project secured a dedicated supply of PV solar electricity from the existing locally owned community energy company solar farm and private wired the electricity to CAT. An estimated 28 to 32 MWh pa of electricity is delivered into this private microgrid. The battery storage system, EV/bike charging unit and control centre was manufactured off site by Dulas Ltd and delivered as a packaged containerised solution and installed at CAT.

Centre for
Alternative
Technology

Powys

£
224,464.00
