

PROJECT	Solar Lighting Scheme (This example from The Quarry, Shrewsbury)
LEADER / PARTNERS	Town or parish council (This example from Shrewsbury Town Council)
COUNCIL POWERS	Local Government Act 1894 s.8 (1)(i) – powers to manage council property allows providing light to a previously unlit walkway
FUNDING SOURCES	Precept (Internal funding for capital works)
ADVICE / USEFUL CONTACTS	A good electrical contractor with a grasp on solar products is always a good start as the supplier will have trained the contractor on the installation and maintenance of their product. The product installed in Shrewsbury had not been built or installed anywhere previously meaning Zeta Lighting spent a considerable time in the R+D phase to ensure compatibility and structural integrity.
Requirements:	
SKILLS	Previous experience of solar lighting projects in the correct hemisphere
RESOURCES	Zeta Lighting case studies
MATERIALS	Steel lighting columns
PERMISSION	No permissions were required
CONTRACTORS	Potters Electrical Contractors Zeta Specialist Lighting
Steps to Success:	<ol style="list-style-type: none"> 1. Drawing up the correct specification (This needs to be what you want not what you are told to have) 2. Identify the correct funding (buy cheap buy twice) 3. Visit previous projects completed by the interested tenderers 4. Speak to company references 5. Pre-start meeting to establish ground rules 6. Be available to contractors 7. Attend site when requested and not too often otherwise 8. Meet lighting contractor at dusk for switch on night 9. Pass on compliments and observations to contractors when received 10. Ensure the invoices are paid in a timely manner
ECONOMIC BASIS	The pathway that has been lit is important to the town and the park as it is a flat route across the town as well as being identified as an escape route for several large events that take place in the Quarry Park on an annual basis
COMMUNITY BENEFIT	The community benefit was instant with this project as it opened a walkway that some would not walk after dark. This walkway is used by countless dog walkers on a daily basis and saw record use during the Covid lockdowns in 2020 enabling more people to access the area at different times of the day. This was achieved with minimal intrusion to the public during the works as there were no trenching works required so installation was centred around the pole only.
ENVIRONMENTAL IMPACT	Environmental impact of this project was also minimal thanks to a couple of factors: <ul style="list-style-type: none"> - Power, the power for these lamps is 100% solar and battery storage of the generated power - Light Pollution, 2 main solutions were used to avoid light pollution the first was the use of lighting shields to the rear of the lamp to

	<p>ensure no glare at the rear. The second was the use of PIR sensors that dim the lamps to a very low glow when they are not required once these Sensors are triggered the lamp switches to full power 8Watts for 2 minutes before diming again.</p> <p>Due to location of the columns running alongside the River Severn a special design of the columns was required to lift the batteries and motherboards by approx. 2 meters to clear the likely flood levels.</p>
MAINTENANCE	<p>Minimal future maintenance other than cleaning of the solar arrays and basic column maintenance. Batteries have all been given 7-year warranties</p>