



PV Cenin Cement



Cenin Renewables uses nearly 3000 PV panels producing over 735kw as the main power source for parent company, Cenin Cement, and to feed into a 400 kw grid connection. With sustainability at the heart of their cement manufacture, they are in the process of installing an on-site wind turbine and have plans for anaerobic digestion and a 1MW PV solar trekker system.

Cenin Cement are a high-energy user making low carbon products, and are passionate about doing all they can to reduce their carbon footprint. Senior Project Engineer Neil Tapper attended Ecodesign Centre's LCA to go: PV launch event and signed up for a one to one masterclass to learn more about LCA and how to use LCA to go. Neither Neil nor the Cenin Group had had any previous training in LCA, though had heard of the methodology.

Neil found LCA to go particularly useful to check the efficiency of his system and to ensure that the chosen panels are the right ones for Cenin, being the most efficient for their system. Neil was amazed to see that the choice of module on the system could have a variance of 2 or 3% in energy output. Cenin Cement show the customer potential of using LCA to go to as a bottom up approach.

Neil said: "I now understand LCA and will definitely apply its principles in Cenin's decision-making process. The tool proved we made the right decisions with the panels we chose for our system. We will use LCA to go for the future to ensure we potential is optimised."