

# Case Study 1

## Greater Manchester (New) Police Head Quarters



March 2011

Main Contractor - Carillion PLC

Electrical Contractor - Kier Building Services

Kier Building Services approached Eco Heat & Power Ltd as a long standing and local solar installer for the design and build of a Building Integrated Photo Voltaic (BIPV) system. We have worked with BP modules for several years and have found them to be a high quality solar module. BP Solar have the resources to backup their equipment and offer one of the best performance warranties in the market place, at 85% of output for 25 years. We have also used Sol50 mounting system and whilst this is not the cheapest mounting system it was decided at an early stage that as this was going to be highly visible and Sol50 would produce a very good finished appearance.

The system is facade mounted as two arrays, one of 18 modules and one of 30 modules giving a system output of 8.4kWp.



The SMA Sunny Boy inverters needed to be mounted as close to the array as possible and so were mounted in a cabinet at the rear of the arrays. With this project we have proved that all our investment in training our staff and other investment in Health & Safety has enabled us to progress through both Kier Building Services & Carillion's stringent Health & Safety systems. Eco Heat & Power Ltd are CHAS registered and Health & Safety and staff training are one of our top priorities.

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