



**SOL<sub>2</sub>O**  
GREEN BUILDING SOLUTIONS

# Solar Photovoltaic Colmans fish restaurant

**Client** Colmans fish restaurant

**Contract Value** £15,000

## The Brief

SOL<sub>2</sub>O were contracted to design and install a photovoltaic system to supplement the current mains electricity supply at Colmans fish restaurant.

## The Solution

SOL<sub>2</sub>O designed a 3.6kWp solar photovoltaic system to fit to the roof of the award winning restaurant to help offset the costs and carbon footprint associated with running large fridges, freezers and cookers.

The system – installed over a period of 4 days is due to save around £1,500 per year for the next 25 years with the cost of the equipment being covered in 10 years by taking advantage of the Feed in Tariff.

A breakdown of the works is as follows:

- Day 1: Scaffolding erected to allow safe access to the roof structure
- Day 2: All brackets for the photovoltaic panels were mounted to the roof and DC isolator installed into the building
- Day 3: PV panels installed onto roof brackets and system fully tested and conditioned
- Day 4: Scaffolding dismantled and removed.

The feed in tariff or FIT enables owners of PV systems installed by MCS accredited experts such as SOL<sub>2</sub>O to receive money back from their electricity providers by selling unused energy back to the national grid.

## The Result

Colmans fish restaurant has lowered its carbon footprint and also reduced its annual energy costs.

The entire PV installation is covered by a 5 year repair warranty from SOL<sub>2</sub>O and is further covered by a 12 year guarantee from the manufacturer, ensuring that all panels will function to 90% of their capacity over the entire 12 year period, followed by a guarantee of 80% output capacity over the next 25 years.