

## CASE STUDY

### Solar PV

## The Beach House

#### Client Objective:

The Beach House Pub in Greystones has a high daytime electricity demand. Refrigeration, cooking and lighting contribute to high electricity costs which the owners wanted to find ways to reduce. Any solution had to have minimum disruption to trade.

#### Solution:

##### **Solar PV (Photovoltaic)**

Solar PV panels produce electricity when exposed to light. It is a mature technology and we can accurately predict the amount of electricity that these systems can produce in Ireland. The panels can be installed almost anywhere but are typically placed on a southerly facing roof. The electricity generated by the panels gets used by the building as it is produced offsetting the need to buy electricity from the grid.

A 7 kWp system was installed in the Beach House and was designed to reduce their bills by 10% per annum. No disruption to trade was experienced during the installation as all works occurred outside the building.

A full web based monitoring system was also installed allowing for complete measurement of the energy benefits to the Pub.

#### Finances:

The Beach House solar pv system received 30% grant funding through SEAI's Better Energy Community Scheme. Another Greystones Pub, The Burnaby also received 30% funding as part of the same project. Glenergy can assist Pubs & Restaurants in applying for this funding.

