



who has got energy for life?

name

Richard

occupation

Marina Owner

organisation

Tidemill Yacht Harbour

www.tidemillyachtharbour.co.uk

introducing Richard

As you sail up the River Orwell you will find the idyllic Yacht Harbour of Woodbridge, built-up by Richard Kember over 20 years on the former site of the Woodbridge Tidemill. The marina covers an area of about 14 acres, in 1985 Richard started with just seven resident boats, today he sees 60 to 70 visiting boats in one weekend alone.

“the proof of the pudding for me is that you buy less oil, it is the best quantifier”

In 2006 work started on a brand new facility for visiting sailors, which has been in the planning for some time. Richard spared no expense on the building to provide a comfortable, attractive building which will last and is now reputed to be “the absolute best facility available in the area. The existing **customers love it** and we get a lot of clubs with 15 to 20 boats such as the Royal Harwich and the Essex Motor Club, we also see visitors from as far away as Holland.”

Hot water for the new building is provided by **solar collectors mounted on the roof generating hot water for up to 300 people**. “Because of the tidal access there is a 3 hour window where it all happens everybody comes and leaves in a very short space of time and this is happening seven days a week.”

Richard has seen a **marked reduction in his heating oil deliveries since the collectors were fitted**, “before the panels were working we used about 2000 litres but **since they have been working we have used a fifth** of this in the same period.”

“The proof of the pudding for me is that you buy less oil it is the best quantifier as to whether the solar panels are working.”

“before the panels were working we used about 2000 litres of oil but since they have been working we have used a fifth of this in the same period”

Tidemill Yacht Harbour

The collector tubes fitted to the south west and south east roofs of the marina's latest facility for sailors visiting Woodbridge provides piping hot water for showers, washing and laundry.

This type of solar panel offers a very efficient and flexible means of generating hot water, the vacuum around the tube makes them thermally very efficient so a smaller roof area is needed when compared with a traditional flat panel collector. The shape and design of the tubes also means that the panel can be mounted at angles from flat to vertical and in orientation from East to West without any major reduction in performance.



solar hot water solutions

Retrofit over tiled roof

area (sqm)

12

project details

Customer

Tidemill Yacht Harbour

Type of building

Marina

Date completed

2007

Location

Suffolk

carbon saved / energy generated

Annual carbon saving

2.8 tonnes

Lifetime carbon saving

71 tonnes

Annual energy generated

6600 kWh

For further information on other innovative ways of incorporating renewable energy in your building see our Solution Sheets.

Solar Green Ltd Unit 8 East Hanningfield Industrial Estate Old Church Road Chelmsford Essex CM3 8AB
Tel 01245 400 550 Fax 01245 400 777 Email info@solar-green.co.uk Website www.solar-green.co.uk