

# WINNERS!



PBO is proud to announce the winners of our second annual Green Awards, which recognise marine businesses who have taken steps to reduce the environmental impact of leisure boating and make the industry more sustainable. The winners in our four categories are detailed here and will be presented with their trophies at the Southampton Boat Show.

## PRODUCT

### Henri Lloyd – Blue Eco

**L** launched in November 2009, these 100% recyclable jackets and trousers are made from Henri Lloyd's TP Eco fabric. Old jackets are shipped back to the Teijin factory in Japan and recycled into brand new fabric in a never-ending sustainable loop.

Outdoor clothing company Patagonia also uses Teijin's products and it is a real breakthrough for green-minded boat owners.

**PRICE COMPARISON:** Classed as a Coastal/inshore waterproof material, the Blue Eco jacket retails for £135 – a cost halfway between the high-performance Flex jacket (£225) and the TP1 Breeze Performance jacket (£80).

**PERFORMANCE:** The TP Eco's DWR (Durable Water Repellency) finish is

less hard-wearing than the SDWR (super-durable) finish on the TP2 Ventura (£175) but the breathability is a step up from the TP1 Vista (£110).

**CARBON FOOTPRINT:** According to carbon experts, the carbon footprint of a standard jacket would be distributed roughly as 48% fabric manufacture, 48% garment manufacture, and 4% shipping. By using TP Eco, Henri Lloyd increase the shipping miles by returning the jackets to Japan, but remove the cost of fabric manufacture.

**PBO VERDICT:** The potential volume of sales for Blue Eco is considerable, so although a single jacket makes only a small difference, economies of scale could make a large impact over time.



## BOATS AND BOATBUILDERS

### Greenline 33

**D**iesel-electric hybrid drives are now often available on new yachts and powerboats, or to those considering a replacement engine.

But Slovenian design house Seaway go a step further with the Greenline 33, adding 1.3kW of solar panels to make a Jekyll and Hyde boat capable of pottering at 4 knots one minute, and heading for home at 15 knots the next.

**PRICE:** Without solar panels, the Greenline 33 will set you back less than £100,000. A 75hp hybrid with panels comes in at £124,549, or you'll need around £134,000 for the 165hp version.



**PERFORMANCE:** With 165hp of diesel grunt you should get a top speed of 15 knots, but the super-displacement hull is most

economic on fuel at around 7 knots, where it gets around 5 miles per gallon. The 7kW electric engine will produce 4 knots for



around five hours from a fully charged 120Ah battery array. The

1.3kW solar panel 'power plant' will

recharge a flat set

of batteries to 80% during a day of good strong sunlight, or else take advantage of free 'solar sailing' at a sedate 2.5 knots.

**PBO VERDICT:** We liked the way the Greenline 33 broadens your boating options, combining the peace and quiet often associated with sailing boats with the speed and convenience of power. You can have hours of peaceful, eco-friendly enjoyment and still get home afterwards.

## MARINE SERVICE AND SUPPORT

### Waveney River Centre

**W**aveney River Centre, a holiday park and marina on the Norfolk Broads, promotes sustainability through energy efficiency, recycling, water conservation and customer education. The centre has numerous environmental policy initiatives and, as a business, saves money through energy efficiency and cutting waste.

**ELECTRICITY USE:** Low-energy lightbulbs throughout the site, plus individual electricity meters on the marina berths and park buildings. Motion-sensitive lighting in the shower block

saves electricity, as do efficient water heaters and hand dryers.

**WATER USE:** Push-button showers and taps save water.

**RECYCLING:** Communications are mostly electronic, and all office paper is recycled. Customers are encouraged to return information sheets to be re-used. Recycled boards are turned into walkways and decking, while fallen trees are turned into benches, or woodchips for landscaping. Organic additives are sold for holding tanks and chemical toilets, all of which is disposed of



and treated on site.

**LOCALLY SOURCED:** Choice of local beer, ice cream, greeting cards etc. The onsite supermarket is well-stocked, thus reducing traffic in and out.

**WILDLIFE:** Maintenance of a small wildlife haven for

wildflowers, insects, pondlife and native tree species.

**PBO VERDICT:** Sustainability often comes down to small savings, and we liked Waveney River Centre's meticulous attention to every detail of their environmental responsibility.

## CAMPAIGN OR INITIATIVE

### Pangaea Explorations

**S**cores of researchers, scientists and activists work behind the scenes to document and maintain interest in the soup of plastic waste in the world's oceans. Part of this includes the ongoing research project aboard a refitted ex-Global Challenge yacht from Lymington, *Sea Dragon*, run by Pangaea Explorations.

Pangaea's mission is to strengthen the health of marine life through exploration, conservation and education. 'Pangaea Exploration supports, enables, connects and, sometimes, leads the many talented people working on

marine conservation worldwide,' says the group's founder, Ron Ritter. 'We go to sea to observe, document, learn, listen and communicate.'

Since the beginning of 2010, the yacht has carried scientists on surveying trips across two of the world's five oceanic gyres – the naturally occurring centres of the world's circular oceanic currents that create the worst concentrations of floating debris. Having criss-crossed the North and South Atlantic, the explorations team, now in Chile, is planning its first Pacific survey.

'Ocean currents and weather systems rotate, creating a vortex,



sucking in floating debris and trapping it there,' explains *Sea Dragon*'s skipper, Clive Cosby. 'Plastics are present in alarming quantities thousands of miles from land, plastics from the beginning of the plastics era – they do not biodegrade, only photodegrade, breaking down into smaller and smaller pieces.'

Dozens of countries have taken

measures against the proliferation of plastic pollution, banning disposable plastic shopping bags, Styrofoam cups and more. 'Globally thousands of mammals and seabirds die from ingesting plastics,' says Clive.

**PBO VERDICT:** The unsung work of organisations such as Pangaea deserves recognition, and the fact they are recycling a Global Challenge yacht struck a chord with the PBO judges. This is sailing at its best: both purposeful and sustainable.



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