



who has got energy for life?

name

John

occupation

Head of General Services

organisation

Derwent District Council

www.derwentside.gov.uk

introducing John

John is head of General Services at Derwentside District Council; he looks after “the services that have an impact on people’s quality of life”. One of his roles is to ensure the “district council meets it’s commitments for public transport.”

“you have to make the investment now if you want to save for the future”

The award winning bus station at Stanley is one of John’s projects. The council didn’t just build a bus station, they delivered a project that would become a catalyst for “stimulating the regeneration of Stanley Town Centre by encouraging investment and using good quality design.”

“Due to the importance of the building we wanted to set an example by minimising the impact of the building on the environment.” The council tries to “**encourage people to leave the place in no worse condition than when they found it, that is sustainability.**”

“As a council **we work very hard to reduce our carbon emissions** and we monitor energy use very closely, we have even had the district thermally imaged so that we can identify the opportunities to reduce energy usage.”

“When designing the bus station **we looked at how we might deliver a good quality and sustainable building.** We not only looked at the ways to make it a “more efficient building by reducing electricity usage and rain water harvesting. But we also looked at the ways of generating our own energy by incorporating solar cells in the façade and on the roof of the building. We received funding from One North East from local government, the Energy Savings Trust as well as Derwentside so **a lot of people bought into the idea** and the council were keen for the scheme to go ahead.”

The result is “a **transport hub that provides a pleasant comfortable space for passengers** between journeys and at the end of their journey.” John reports “**we always get positive feedback on the design of the building.**”

The passengers are not the only ones that appreciate the results; in 2006 the building was commended by the **County’s Environmental Awards with an award for Outstanding Achievement.** “The building is very light, airy and **the judges were very impressed** with the quality and sustainability of the design.”

John seems pretty satisfied with the results too “**anything that can contribute to energy generation without a downside has to be good. We have just left the PV alone and it has run without a problem,** there’s really nothing else to do.”

“Obviously **as fuel prices increase these kinds of systems become more viable,** but you have to make the investment now if you want to save for the future, and it’s not just the money it’s saving the resources.”

“I wouldn’t change anything about the energy aspects of the building; I think I might change the colour of the building though!”

“we work very hard to reduce our carbon emissions”

“anything that can contribute to energy generation without a downside has to be good”

Stanley Bus Station

The award winning bus station at Stanley has become a catalyst for stimulating the regeneration of the whole Stanley Town Centre by encouraging investment and using good quality design.

Electricity is generated on site from solar photovoltaic cells integrated into the facade, on to the clock tower and on top of the curved roof.



solar photovoltaic solutions

	area (sqm)	size (kW)
Integrated façade	64	8
Rain screen cladding	16	2
Retrofit standing seam roof	270	34

carbon saved / energy generated

Annual carbon saving	5.7 tonnes
Lifetime carbon saving	200.2 tonnes
Annual energy generated	13300 kWh

project details

Customer	Derwentside District Council
Type of building	Bus station
Date completed	2006
Location	Durham

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