the clarkson alliance

INNOVATION AWARD

WINNER

King Sheet Piling
Balfour Beatty

Balfour Beatty
Civil Engineering

Balfour Beatty Major Civil Engineering

A radical innovation which helped to save £10m – half of that for the taxpayer – is paying dividends for King Street Piling.

Their clever but simple process which uses standard sheet piles more efficiently has revolutionised 120 years of sheet piling practice, yielding savings of between 30 and 40 per cent of steel, while guaranteeing dramatic productivity, environmental and sustainability benefits.

The sheet piles are 100 per cent recycled steel and can be reused or recycled.

It has proved a great success over more than 25km of retaining walls on Skanska Balfour Beatty JV's £1billion contract to widen 63km of the M25

and refurbish Hatfield Tunnel.

It has provided around £10 million of savings which have been shared equally with the Highways Agency.

While the immediate focus was the challenging M25 project, the vision behind King Sheet Piling is that it would provide clients worldwide with the alternative of a quicker, cheaper, more environmentally friendly and sustainable retaining wall system.

Following its success, the experience gained has been shared throughout the Balfour Beatty Group and has been used on the A42 contract and the M4/M5 Managed Motorways project.

www.balfourbeatty.com

JUDGES' COMMENTS

"This is a true innovation meaning there is less noise and vibration. Convincing all of the stakeholders that the idea would work was key to its success and the new sheet piling was successfully installed in a faster timescale."

FINALISTS

ExCel Southern Access Project
Jackson Civil Engineering

King Sheet Piling
Balfour Beatty

Heathrow Terminal 2B Phase 2
Balfour Beatty

Alexandra House, South London YMCA
Warings Contractors Limited

Romney Weir Hydropower Project
Jackson Civil Engineering

A20/M20 SCRIM Package
Jackson Civil Engineering

Hackney Homes Alliance
Sustainability Strategy *Lakehouse*

CONSTRUCTING EXCELLENCE
in London and the South East

AWARDS **2012**