

Carillion plc - Environmental Impact Awards for Excellence 2004

Organisation: Carillion

Carillion is one of the UK's leading business and construction services companies, with a turnover of £2bn and around 20,000 employees. It works in a wide range of sectors, including transport, health and education, defence and secure establishments, commercial property development, leisure and retail. It de-merged from Tarmac in 1999.

Processes: since the early 1990s, the company has acknowledged the importance of the integration and management of environmental impacts. This has now been developed into a sustainability strategy that brings together the vision, values and objectives of Carillion's business under the guiding principle of "sustainable solutions for the way we live".

Carillion closely measures and gauges its performance through annual sustainability targets and is working towards providing sustainable solutions for all employees, non-governmental organisations, Government or alliance partners and other stakeholders. Progress has been made in many areas including rejecting unsafe procedures to improve health and safety, training staff, engaging with communities and improving site environmental performance through the continual improvement of its environmental management systems. In 2003 Carillion achieved a score of 92 per cent on its corporate sustainability targets, which are independently verified.

As Carillion's understanding of the interactions between social, economic and environmental aspects of sustainable development develops, greater opportunities to broaden and deepen the scope and impact of its strategy in the future will become apparent.

Impact:

- Self sufficient materials strategy - on the M6 Toll, vast quantities of material have been sourced from within the site boundary and secondary aggregate was used. This has reduced the extraction of raw materials, vehicle movements and associated impacts of providing 700,000 tonnes of cement bound materials and 2.3 million tonnes of sand and gravel. 22,000 tonnes of pulverised fuel ash were used to replace cement in concrete mixture and 5,000m³ of vegetation clearance material mulched and added to topsoil.
- Implementation of more effective waste management programmes – at the Queen Elizabeth and Queen Mother Hospital, staff are made aware of the correct types of waste to be placed in clinical waste bins. This has led to a 50% reduction in the number of clinical waste bins being required.
- Reduced the energy consumption (kwh/m²) in Head Office buildings by 19 per cent, with a 32 per cent reduction in carbon emissions. The energy consumption of the Carillion car fleet has also been reduced by 5 per cent.
- Sustainable accounting system – through involvement in a DTI funded project, Carillion has worked to demonstrate the business case for sustainable construction through the development of a sustainability accounting system. A case study on the Great Western Hospital has demonstrated quantifiable savings of £1.8 million due to sustainability initiatives.
- The company set about working with its supply chain in sustainable construction principles – The result was a focus on selecting different building products and devising new methods of construction. These methods consume less energy and materials, produce less waste and lead to long-term reductions in running costs.

Environmental Impact Award for innovative environmental performance integrated into the company's sustainable development strategy, delivering proven business benefits, *sponsored by Shields Environmental plc*