


AMEC sustainability services: How we help our customers



We are the worldwide licensee for GeoMelt™, a proprietary technology for dealing with low-level nuclear waste

We always have to consider the impact of our activities on communities and the environment. We work in business sectors that deliver strong sustainability benefits – such as wind power and regeneration – but also in industries like oil and gas, nuclear or mining that face important sustainability challenges. In many areas, we have developed technologies and innovative approaches that have helped address these challenges.

For instance, we are the worldwide licensee for GeoMelt™, a proprietary technology for dealing with low-level nuclear waste, developed by Geosafe and the US Department of Energy. We have established a biodiesel plant in Hamilton, Ontario, which will convert agricultural seed oils into biodiesel, a non-toxic, biodegradable and sulphur free fuel.



A sustainable approach does not necessarily involve an increased cost and indeed can cut costs and increase efficiency, especially over the life of an asset.

■ **AMEC's regeneration and wind businesses**

During 2004, we submitted planning applications for major developments at Kyle and the Isle of Lewis in Scotland, potentially the world's largest onshore wind farm. This means that, today, we have a development portfolio of around 12 projects totalling about 2,000 MW – with the potential to represent some 16 per cent of the UK government's renewable energy target for 2010. This is split roughly half and half between onshore and offshore developments. The offshore developments have all been pre-sold although we

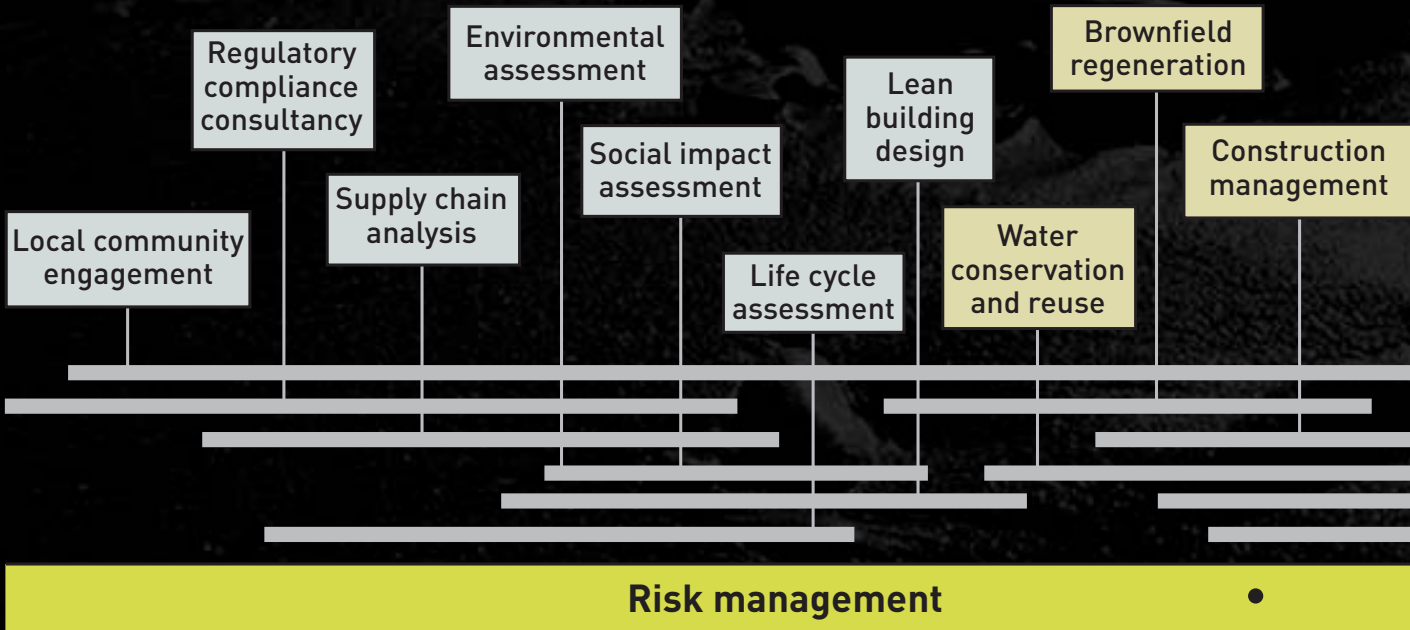
continue to be involved in project management for the owner.

AMEC has built a leading reputation in urban regeneration, working in partnership with landowners such as local authorities and private sector organisations. Over a dozen schemes were under development in 2004, including projects in Reading and Durham, while during the year we were awarded a major scheme to regenerate Lewisham town centre.

This landmark regeneration scheme, which will bring new homes, shops, a new town square and an improved transport interchange to the London borough, will contribute to the renaissance of London as a more 'liveable' city, with high quality buildings and public spaces well connected to the existing centre.



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■ **Design services**

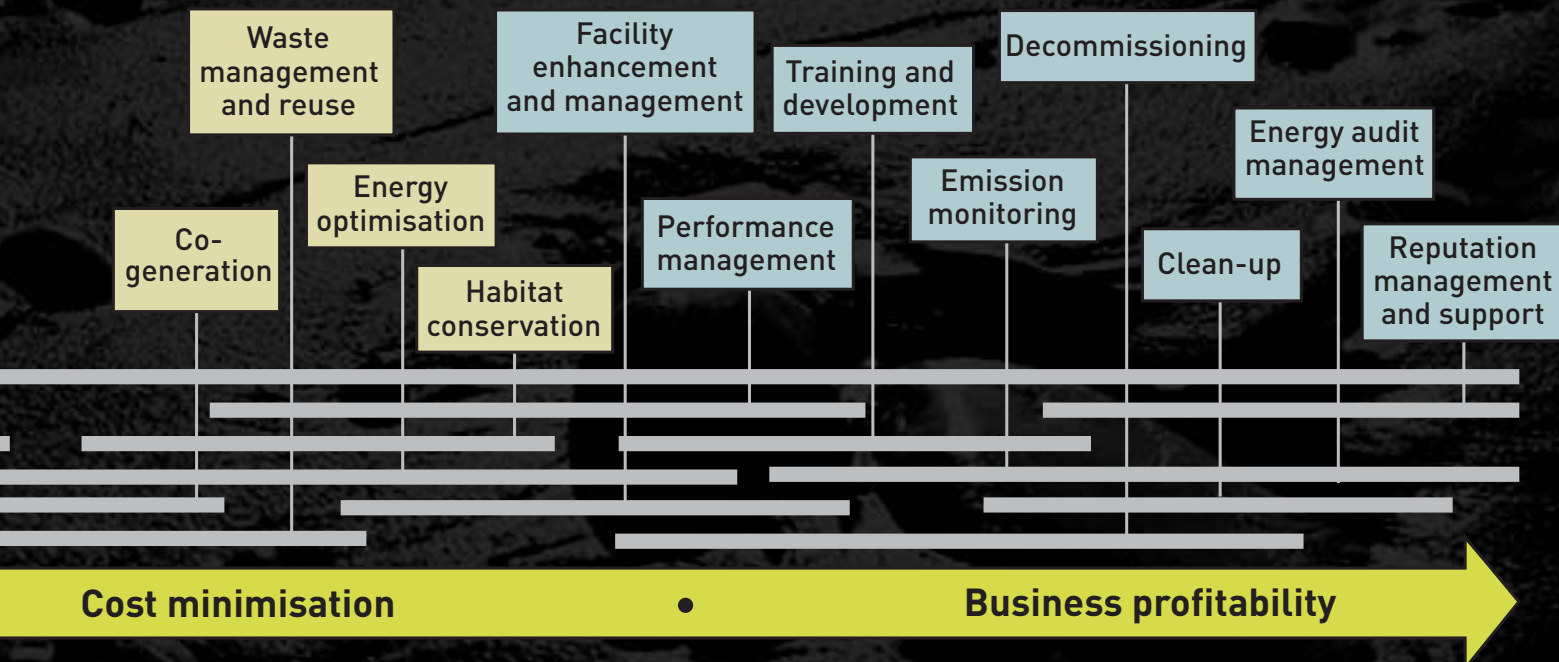
During the early stages of a project, we can help our customers assess the best approach to a range of design issues, such as compliance with environmental regulations, planning permissions or stakeholder identification and management. In this way, we can help identify potential obstacles to a project. Our long experience in the field, in particular through our environmental consulting business, means we can cover the full range of issues likely to affect a customer, whatever their industry.

Working with customers as a team in the design stage, we can help

them avoid difficulties later on. For example, we are helping leading diamond company De Beers plan a series of diamond mines in Northern Canada. We take responsibility for assessing the impact of these mines on the local community and the environment, down to the detail of preventing adverse effects on animal habitats and migration patterns or water systems. We can encourage early response to local opposition or legal and regulatory impediments.

When it comes to more detailed designs, we can ensure that the materials, processes and systems used are sustainable, minimising

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damage and optimising the benefits for human health and the environment. We can consider issues like energy efficiency, waste management and community sensitivities from the very outset – and this is usually more effective than addressing them later, or when problems arise.

■ **Delivery services**

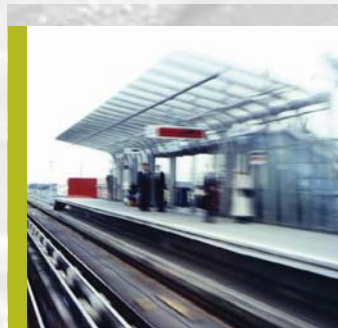
When a project is actually being built, it is important to keep costs down and the project site running smoothly and efficiently. We can help to conserve and manage energy and waste on a site,

checking it complies with all relevant regulations. We also undertake stakeholder and local consultations and are very experienced in managing community relations.

For instance, in the UK, we have been working in an alliance with Docklands Light Railway Ltd and other local organisations, where recognising and addressing local sensitivities are important. We also manage contractors to minimise the impact on the community, taking into account local cultural and language issues.

■ **Support services**

Once a project is complete, we can provide a range of services that help protect and enhance the performance of the finished asset, while also providing broader sustainability benefits. As regulations change, and a major capital asset matures, it is important to keep monitoring its performance to ensure best value for all stakeholders. We can run clean-up programmes to handle contaminated land or water, advise on issues like waste or flood water management, manage retrofits of buildings to ensure maximum efficiency, and provide full decommissioning of facilities.



We are currently working in alliance with Docklands Light Railway Ltd