



## An introduction to Rio**green**

*commercially minded sustainability consultancy...*

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*“Riogreen’s in-depth knowledge of sustainability gave us the confidence that our project’s BREEAM requirements could be achieved within budget”*

Gary Mayo, Director  
Mayo Property Development

## FOREWORD



**Riogreen is a unique sustainability consultancy focused on reducing the mounting costs associated with the built environment.**

The growing cost of constructing, maintaining and running buildings is leading to a rapid increase of sustainable property portfolios and a greater emphasis on renewable energy. Consequently, “Sustainability” is becoming a major consideration in all property decisions.



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**ENERGY :**  
Buildings account for 30 – 40% of global energy use

Source: [www.unep.org](http://www.unep.org)

## A commercially minded sustainability consultancy with architectural roots...

Riogreen is a team of dedicated professionals with a proven track record in delivery, creativity and innovative thinking.

- Our experience gives us an appreciation of your needs from inception through to completion and beyond.
- Our holistic understanding of the development process identifies opportunities for you to save time and money.
- Our architectural background gives us a wide appreciation of the issues.
- We do not have a “tick box” approach to sustainability.
- We understand the interaction between legislation and the construction process.
- We are able to provide a single point of contact for all environmental issues
- Our award winning team have over 15 years of BREEAM understanding.
- We provide a personal and friendly service.
- We provide intelligent advice to help you avoid unnecessary costs.

**WATER CONSUMPTION:**

Making bottles to meet the USA's demand for bottled water requires more than 17M barrels of oil per annum, enough to fuel more than 1M US cars for a year...

Source: The Earth Policy Institute

## Environmental services tailored to your needs...

- ❑ Creation of bespoke sustainability policies and targets
- ❑ BREEAM Assessments (*all categories*)
- ❑ Pre + post tender support + advice
- ❑ Code for Sustainable Homes Assessments
- ❑ Building portfolio energy efficiency analysis
- ❑ Alternative fuel + sustainable grant advice
- ❑ Brief + sustainability specification writing
- ❑ Environmental workshops, seminars + training
- ❑ Support services include:
  - Low and zero carbon feasibility studies
  - SBEM, SAP, Dynamic thermal modelling
  - Understanding of LEED and IPD codes
  - Renewable energy feasibility studies
  - Daylighting + Acoustics
  - Landscape design + Ecology reports
  - Travel plans

**SITE WASTE:**

The average dustbin in developing countries contains enough unrealised energy for 500 baths, 3500 showers or 5000 hours of television.

Source: Drivers of change

## What savings can be made?

Through the application of our knowledge, savings are possible in the following areas:

- Project capital costs
- Procurement duration
- Tender pricing
- Waste disposal
- Fuel dependency
- Running costs + maintenance
- Future proofing

## The future

- ❑ BREEAM “Excellent” and “Outstanding” will require an “in-use” assessment for the first 3 years of occupation
- ❑ All new dwellings to be zero carbon by 2016
- ❑ UK Government aspirations for all new buildings to be zero carbon by 2020
- ❑ Potential for mandatory Eco-labelling of buildings within the public sector leading to similar requirements for the private sector
- ❑ A dramatic increase in the use of renewable energy sources



### LOOKING AHEAD:

The UK could be importing as much as 90% of its gas needs by 2020 compared with 10% today

Source: Energy review report 2006, DTI, July 2006

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## Contacts

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### RECYCLING:

In the developed world, waste generation grew by 20% between 1980 and 2000 and is expected to have increased by a further 30% by 2020.

Source: Rob Bowden, sustainable world – waste 2000



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