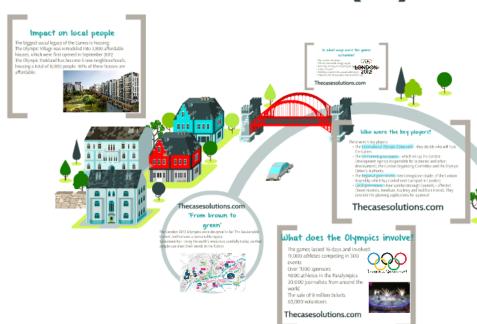
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# LEGO Consolidating Distribution (A)





#### Sustainable Design

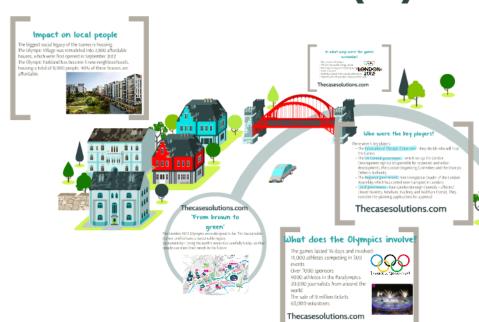
Olympic Park venues were designed and built to be energy-efficient and as sustainable as possible. For example the Velodrome is almost 100 per cent naturally ventilated, it maximises the use of natural light to reduce energy consumption and rain water is collected from the roof for flushing toilets and irrigation.

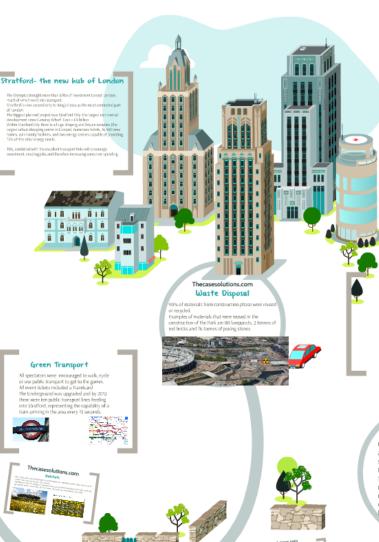
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design by Döri Sirály for Pr



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### 'From brown to

### green'

The London 2012 Olympics were designed to be 'The Sustainable Games' and to leave a sustainable legacy.

Sustainability= Using the earth's resources carefully today, so that people can meet their needs in the future



## What does the Olympics involve?

The games lasted 16 days and involved:

11,000 athletes competing in 300

events

Over 7000 sponsors

4000 athletes in the Paralympics

20,000 journalists from around the

world

The sale of 9 million tickets

63,000 volunteers







### Who were the key players?

There were 4 key players:

- The International Olympic Committee they decide who will host the Games
- The UK Central government: which set up the London Development Agency (responsible for economic and urban development), the London Organising Committee and the Olympic Delivery Authority
- The Regional government: Ken Livingstone (leader of the London Assembly, which has control over transport in London)
- Local government : Four London Borough Councils = affected (Tower Hamlets, Newham, Hackney and Waltham Forest). They consider the planning applications for approval

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## In what ways were the games sustainble?

- The creation of habitats
- Efficient/renewable energy supply
- Reducing, reusing and recycling waste
- Green transport
- Buildings created with a sustainable design 2012
- Improving the infrastructure that provides water

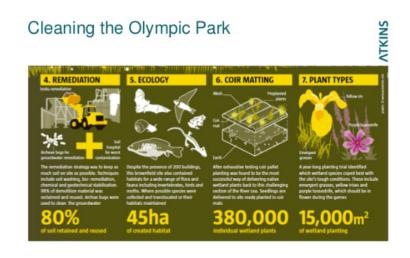
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### Habitats

- More than 4,000 trees,74,000 plants, 60,000 bulbs and 300,000 wetland plants were used to create a new open green space for London
- The Olympic Park was designed to create 45 hectares of wildlife habitats and includes reedbeds, grasslands, ponds, woodlands, 525 bird boxes, 150 bat boxes and artificial otter holts.





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### Energy Supply

Two six-kilometre tunnels built beneath the Olympic Park, enabling the power to be carried underground.

Approximately 50% of materials were transported by water or rail resulting in less traffic on local roads and saving time on thousands of journeys.

7 wind turbines were built, each turbine provides enough energy for 1,000 homes. 20% of the energy used in the Olympic park was from renewable sources.





90% of materials from construction phase were reused or recycled.

Examples of materials that were reused in the construction of the Park are 80 lampposts, 2 tonnes of red bricks and 76 tonnes of paving stones

