

KEYSCAPE



HOW KEYSOFT SOLUTIONS HELPED FORM THE CENTERPIECE OF THE LONDON 2012 OLYMPIC AND PARALYMPIC GAMES

TO DESIGN A SPORTING LANDSCAPE AND
REGENERATE A RUN-DOWN AREA OF
EAST LONDON FOR THE WORLD TO ENJOY

USING KEYSCAPE LDA DESIGN AND THE OLYMPIC DELIVERY AUTHORITY (ODA)
WERE ABLE TO COMMUNICATE THEIR VISION FOR THE OLYMPIC PARK

A STUNNING SPACE WAS DESIGNED AND DELIVERED
NOT ONLY FOR THE OLYMPICS BUT ALSO TO BE
ENJOYED BY LONDONERS FOR GENERATIONS TO COME

FUTURE • FASTER

KEYSCAPE

PROFESSIONAL LANDSCAPE DESIGN SOFTWARE



CHALLENGE

TO DESIGN A SPORTING LANDSCAPE AND REGENERATE A RUN DOWN AREA OF EAST LONDON FOR THE WORLD TO ENJOY

The successful London 2012 Olympic bid began a period of transformation in the run down area of East London chosen to host the Olympic Park.

LDA Design was appointed in 2008 to lead the design project, not only for the games, but also for the continuing transformation of the area to leave a lasting legacy for the local community.

The Challenge for LDA Design was to provide detailed, professional designs to communicate their vision.

With such a large project, how was LDA Design going to increase their design capacity and streamline their design workflow?

SOLUTION

USING KEYSCAPE LDA DESIGN AND THE OLYMPIC DELIVERY AUTHORITY (ODA) WERE ABLE TO COMMUNICATE THEIR VISION FOR THE OLYMPIC PARK.

DESIGN PRINCIPLES

Throughout the development process three overarching principles inspired the design team: Creation of a strong, distinctive identity and character whilst remaining fit for purpose and value for money.

A COMPLEX SITE OF TWO HALVES

The hourglass shape of the site naturally divided into two sections, the northern half being strongly focussed on ecology and green practises, while the southern half was more urban and centered around entertainment. The two distinct halves were connected by over five kilometres of river banks. To remain environmentally friendly no spoil was removed from the site. The bank of the River Lea was transformed into a plethora of open spaces featuring wetlands, dry and wet woodland and a meadow.

THE ROLE PLAYED BY LANDSCAPE DESIGN SOFTWARE

KeySCAPE was used generally on the design of the landscape of the Olympic park and specifically to manage the planting and seeding mixes and wildflower areas. Some additional elements were added to the software to help the reporting of mix groups, and Keysoft Solutions worked alongside LDA Design to create specific filters that improved their workflow significantly, allowing landscape architects to specify, modify and schedule their drawings, avoiding duplication and minimizing the risk of errors.



RESULT

A STUNNING SPACE WAS DESIGNED AND DELIVERED NOT ONLY FOR THE OLYMPICS BUT ALSO TO BE ENJOYED BY LONDONERS FOR GENERATIONS TO COME

The regeneration of 102 hectares of land not only became the backdrop for the 2012 Olympic and Paralympic games but more recently has become a symbol of rebirth for the East End of London.

The local communities have been left with a stunning new park, giving them access to green space and the opportunity to enjoy previously inaccessible recreational activities. The permanent sports venues are open to the public and the main Olympic Stadium has been renovated ready for it to become the new home of West Ham United Football Club.



THE KEYSCAPE SOFTWARE ENABLED US TO DESIGN AND DELIVER COMPLEX, BESPOKE PLANTING AND SEEDING MIXES FOR THE LANDSCAPES AT THE 2012 OLYMPIC PARK

**DAVID THOMPSON
DIRECTOR - LDA DESIGN**



THE STADIUM AND PARKLANDS BY DAY



MIX PLANTING AND WILDFLOWER AREAS



THE REGENERATION OF EAST LONDON

KEYSCAPE AT A GLANCE

KEYSCAPE OFFERS A SINGLE SOLUTION THAT TAKES YOU FROM CONCEPT THROUGH DETAILED DESIGN AND BEYOND.

Enhanced utilities and presentation options allow you to quickly create and modify design proposals to meet the changing requirements of clients.

By providing all the tools a landscape architect requires in a single application, we allow you to create and edit once, improving accuracy, speed of modifications and minimizing errors.

KEY POINTS

- Create ground models direct from point data or contours
- Design and perform calculations on any size irrigation project
- Analyze your site for slopes, water run-off and flooding
- Accurately count materials and equipment to produce cost estimates
- Database of over 8000 plants
- 3D visualization and plotting tools

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