K2 CRAWLEY LEISURE CENTRE

CRAWLEY, SUSSEX

Status: Completed 2005
Client: Crawley Borough Council
Value: £25.76m

The K2 Crawley Sport & Leisure Centre consists of a 50m swimming pool, leisure pool, 12 court multi-purpose sports hall, health & fitness suite, 12m climbing wall, five squash courts, dedicated gymnastics training hall, indoor bowls, martial arts and athletics facility. In addition to providing sport and leisure facilities to the community it provides the primary sport & physical education facilities for the Thomas Bennett Community College next door.

The main entrance and reception area is clearly identified by a feature curtain-walled enclosure to the climbing wall. The reception area includes the leisure centre café forming a focal point for accessing all the other major activities. This enables visitors direct views of the climbing wall, fitness suite, swimming pools and gymnastics hall, encouraging people to stay and watch family and friends as well as considering other sports and leisure pursuits to participate in.

The 50m pool provides flexible swimming for training and competitive standards and includes a range of diver training. The pool hall also has a dedicated learner pool and spectator seating for 400 people.

The UKA certified 400m athletics track can hold county standard outdoor track and field competitions. The centre also includes access to external multi-user games areas (MUGA's) and a synthetic pitch.
In 2006, Crawley scored the highest satisfaction rating in the country for its sport and recreation facilities within the Active People Survey.
Movable floors and bulkheads

Movable floors have been used to change the water depth over two separate areas to either end of the pool tank area in order to achieve greater programming flexibility. They allow more activities to be accommodated within a single pool area or improve activities that may be compromised by a fixed depth of water. This has also enabled reduced net operating cost.

The two movable pools can be adjusted from a depth of a few centimetres for carer and baby classes to a safe depth of 4.0m for a person diving from the diving end. The bulkheads move vertically and when in their lowered position are housed in a recess in the pool floor (see sectional diagram).

The two bulkheads and moveable floor sections provide the following benefits to the facility:

- Division of the water area to allow different activities simultaneously. This is often desirable for safety reasons.
- Reduction of the length of the pool from 50.0m to 25.0m, which is the length recognised by the ASA for training and competition.
- Provide measurable distances where accuracy is important.
- Provide a safety barrier to the edge of a movable floor.
- Provision of diving facilities without the need for a separate diving pool.
- The bulkheads allow convenient access around each of the three pool divisions improving safety.

### Schedule of Areas

<table>
<thead>
<tr>
<th>Area</th>
<th>Area (m²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gross Site Area</td>
<td>57,194</td>
</tr>
<tr>
<td>Building Footprint Area</td>
<td>11,735</td>
</tr>
<tr>
<td>Gross Floor Area (all floors)</td>
<td>18,295</td>
</tr>
<tr>
<td>Gross Floor Area (internal)</td>
<td>16,979</td>
</tr>
<tr>
<td>Pool Area % of Building Footprint Area</td>
<td>9 %</td>
</tr>
</tbody>
</table>

### General Accommodation / Standards

**Swimming Pools**
The 8 lane 50m swimming pool has 2 movable floors and booms to meet a wide range of needs & variable depths, including training & competitive swimming (in either 25m or 50m mode) and diving training facilities (1m and 3m springboards and 5m diving platform). There is also a 13m Learner Pool and formal spectator seating for 400 people.

**Sports Hall**
Multi-purpose 12-court hall (0.1m height) to BGA standards, with associated storage and retractable 810 person bleacher seating.

**Gymnasium**
Training hall and stores.

**Indoor Bowls**
2 Rink.

**Squash Courts**
5-courts.

**Climbing Wall**
12m including enclosure.

**Health and Fitness Suite**
Dedicated changing zone adjacent.

**Café & Crush Bar**
Open plan to entrance area to cater for potential 3000 concert goers.

**Martial Arts**
Dedicated facility.

**Multifunction rooms**
Flexible spatial design.

**Changing Areas**
Dedicated dryside / wetside to respective facilities.

**Offices**
Staff / grounds etc.

**Athletics grandstand and competitor rooms**
The athletics facility can hold county standard outdoor 400m track and field competition events and also indoor training.

**Reception area / Circulation**
Clear views to outside.
The K2 Crawley Leisure Centre's 50m pool in this particular location has satisfied a demographic need that has been supported by their national facilities strategy. The variety of diving provisions are unique to the area...