

## Case Studies

### Wyndley Leisure Centre

Opened in 1970, Wyndley Leisure Centre is the largest leisure centre of its kind in Birmingham.

The leisure centre based in Sutton Coldfield boasts a main heated 25m deep water pool for swimming and diving and a separate shallow teaching pool. A 400 metre Athletic track, 6 squash courts, 5 badminton courts, a gym, an all weather pitch, children's playroom and a studio cycling room.



Powermaster contacted Wyndley Leisure Centre in February 2009 and proceeded with the installation of Variable Speed Drives:

<b>Date of installation:</b>	09/02/2009
<b>Cost of installation:</b>	<b>£10,671</b> (with 5 year on-site warranty)
<b>Payback period:</b>	<b>2.7 years</b>
<b>Annual savings with Variable Speed Drives installed:</b>	<b><u>£3,527 P.A.</u></b>

### Northfield Leisure Centre

Northfield Pool & Fitness Centre underwent a massive refurbishment in 2003. The £3m project included a larger gym, a refitted dance studio and a new sauna and steam suite. Both pools were refitted and the reception area was redesigned. Northfield Pool's facilities include a Swimming pool, Gymnasium, Steam room, Sauna and a Dance studio.



<b>Cost of installation:</b>	<b>£6,638</b>
<b>Payback period:</b>	<b>3.13 years</b>
<b>Annual savings with Variable Speed Drives installed:</b>	<b><u>£2,119 P.A.</u></b>

### Kingstanding Leisure Centre

Kingstanding Leisure Centre was officially opened on 19th March 1988 by Councillor Jim O'Donnell. The leisure centre boasts a number of facilities including Fun pool, Flume, Waves, Baby Pool, Baby slide and a Pulse Point gym.



<b>Cost of installation:</b>	<b>£6,216</b>
<b>Payback period:</b>	<b>2.57 years</b>
<b>Annual savings with Variable Speed Drives installed:</b>	<b><u>£2,418 P.A.</u></b>

### Castle Vale Leisure Centre

Castle Vale Leisure Centre contacted Powermaster to reduce their energy consumption and running costs of the leisure centre. We recommended that they have Variable Speed Drives installed and they are now enjoying savings of £2,118 a year!

<b>Cost of installation:</b>	<b>£4,479</b>
<b>Payback period:</b>	<b>2.11 years</b>
<b>Annual savings with Variable Speed Drives installed:</b>	<b><u>£2,118 P.A.</u></b>

We also recommended that Heat Recovery units should be installed to achieve even greater savings!

<b>Cost of installation:</b>	<b>£23,360</b>
<b>Payback period:</b>	<b>4.44 years</b>
<b>Annual savings with Heat Recovery Units installed:</b>	<b><u>£5,257.33 P.A.</u></b>

**Total Savings:** **£7,375.33**

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### Cocks Moors Woods Leisure Centre

Cocks Moors Woods Leisure Centre contacted **Powermaster** to reduce their energy consumption and running costs of the leisure centre. We recommended that they have Variable Speed Drives & Heat Recovery units installed and they are now enjoying savings of £10,050 a year!

**Cost of installation:** £6,216  
**Payback period:** 2.57 years  
**Annual savings with Variable Speed Drives installed:** £2,418 P.A.



**Cost of installation:** £28,045  
**Payback period:** £3.67 years  
**Annual savings with Heat Recovery Units installed:** £7,632 P.A.



**Total Savings:** £10,050 P.A.

### Fox Hollies Leisure Centre

Fox Hollies Leisure Centre wanted to reduce their energy consumption, we recommended Heat Recovery to two parts of the leisure centre; the main building and the gymnasium.

**Main Building:**  
**Cost of installation:** £40,670  
**Payback period:** 6.5 years  
**Annual savings with Heat Recovery Units installed:** £6,250.19 P.A.



**Gymnasium:**  
**Cost of installation:** £37,844  
**Payback period:** 1.8 years  
**Annual savings with Heat Recovery Units installed:** £21,643.22 P.A.

**Total Savings:** £27,893 P.A.

### Handsworth Leisure Centre

Handsworth Leisure Centre was officially opened in 1984 as a two-pool leisure centre by Reg Hales. The main sports hall was originally opened in the 1970s. The Leisure Centre boasts a number of facilities, including:

- Heated 25 metre Swimming Pool
- Heated Small / Instruction Pool
- Pulse Point gym
- Badminton courts
- Function rooms for hire
- Sports hall



**Cost of installation:** £39,967  
**Payback period:** 4.6 years  
**Annual savings with Heat Recovery Units installed:** £8,626.48 P.A.