



Oak Park Active Living Centre

Working with Sport England and the local community, Walsall Council designed Oak Park Active Living Centre in 2016 to meet the local health and leisure needs and encourage participation in sport.

The centre features an eight-lane 25-metre pool, a learner pool with a moveable floor, a 100-station gym, squash courts, a multi-court sports hall, a floodlit 3G football pitch, sauna and steam rooms, dance studios, and supporting amenities such as a café and changing facilities. While offering diverse fitness and wellbeing options, it is also a heavy energy user due to the demands of maintaining safe and comfortable conditions.



The process

With its wide range of facilities, particularly the energy-intensive swimming pools, gym, sauna, steam rooms, and floodlit outdoor pitch. Oak Park Active Living Centre requires significant energy to operate. To help reduce these high operational costs and support Walsall Council's commitment to achieving net zero carbon emissions by 2041, Kembla developed a comprehensive Solar PV plan designed to generate on-site renewable electricity, cut carbon output, and improve the centre's long-term energy efficiency.





Key benefits



Reduce energy costs



Monitor performance of the system



Payback period of 4-5 years



Bespoke fire alarm interface



Carbon emissions saved: 66.53 kg

What we did

We installed a full Solis system and full mod safe edge protection across 3 roof aspects totalling 387kWp over a 5-week period.

Specs:

- ✓ 860 x Trina Vertex S+ 450w solar panels
- ✓ 2 x Solis 5G 80kW Inverters
- ✓ 3 x Solis 5G 60kW Inverters
- ✓ Solis Energy Power Manager
- ✓ Katt Safety GW3 Katt Guardrail complete system
- ✓ Fire stopper

The difference made



Estimated generation across all sites: **344MwH**



Equivalent trees planted (Annually) : **3056**



Co2 emissions saved: = **66.53 Kg**

