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DECARBONISATION NET ZERO PROGRAMME

Net Zero Strategies for Golf Clubs in West Midlands

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Causes of climate change



Fossil fuels still supply 84% of world energy

Coal-fired power plants currently supply 37% of global electricity

About one-third of all food produced globally is lost or wasted each year, which is equivalent to 1.3 billion tonnes, 40% of which was dumped in landfill sites

Although 70% of Earth is water, only 2.5% of that is fresh water
70% of our water sources are contaminated



A large, billowing plume of white smoke or steam rises from a dark industrial chimney at the bottom center. The plume is dense and textured, filling most of the frame. The background is a bright, overcast sky. The text "What are the 3 largest sources of emissions?" is overlaid in white, sans-serif font in the center of the image.

What are the 3 largest sources of emissions?

- **Electricity and heat production** are the largest contributors to global emissions.
- This is followed by **transport, manufacturing, construction** (largely cement and similar materials), and
- **Agriculture.**





Circular Economy

- A circular economy is an alternative to a traditional linear economy (make, use, dispose) in which we keep resources in use for as long as possible, extract the maximum value from them whilst in use, then recover and regenerate products and materials at the end of each service life.



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- Sustainable Business Model



To facilitate SMEs to
become Net Zero

- Small and medium sized enterprises make up around 90% of the world's businesses and more than 50% of employment worldwide



Environmental Challenges of SMEs

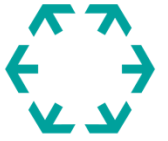
- It has been estimated that SMEs contribute up to 70 percent of global pollution collectively. Specially manufacturing SMEs are reported to account for 64% of air pollution whereas only a small portion of 0.4% of these SMEs complies with an environmental management system.
- SMEs are responsible for more than 50% of the industrial pollution in the Asia-Pacific region
- As per the UK environmental agency report 8 out of 10 pollution incidents are caused by SMEs
- Recent survey reveals that SMEs consume more than 13% of total global energy demand (around 74 exajoules (EJ)). Cost-effective energy efficiency measures could shave off as much as 30% of their consumption, namely 22 EJ, which is more energy than Japan and Korea combined consume per year).



Introduction

DNZ & BEAS PROGRAMME

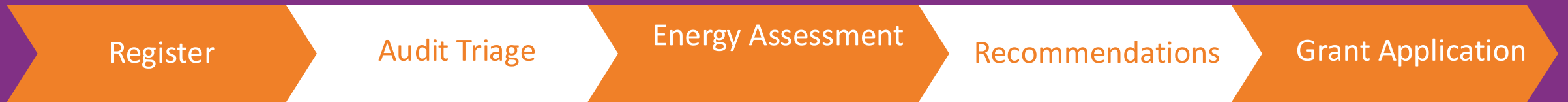
- The UK Government is committed to reducing greenhouse gas emissions by 100% by 2050, known as the Net Zero target. Small businesses play a crucial role in achieving this.
- The Decarbonisation Net Zero (DNZ) Programme is a **pilot** delivered in affiliation with the Business Energy Advice Service (BEAS). Initiated by the West Midlands Combined Authority (WMCA) and delivered by Aston University, it supports SMEs in reducing their environmental impact.
- Through the programme, businesses can access expert advice, free energy assessments, and grants of up to £100,000 (with 50% match funding) to implement energy-efficient measures and lower energy costs.
- **Objectives:**
 - Help small businesses to decarbonise
 - Improve the natural environment
 - Grow the local economy



DNZ CONSORTIUM



PROCESS



Start by completing the registration form on BGWM's website or by contacting our team.



After registration, our Business Engagement Managers will reach out to you to complete the audit triage and check your eligibility.



We will then conduct a FREE assessment, examining your energy usage and operations.



Based on the assessment, we'll provide you with recommendations for cost-effective energy saving measures.



Your business has the opportunity to apply for grants of £1000 to £100,000 to implement the energy efficiency recommendations.

ELIGIBILITY

SME	LOCATION	SECTOR
<ul style="list-style-type: none">➤ Sole trader, micro, small or medium enterprise➤ Fewer than 250 employees➤ Turnover less than €50 million, or total balance sheet less than €43 million	<p>The business should have business premises in:</p> <ul style="list-style-type: none">➤ Birmingham➤ Solihull➤ Black Country – Dudley, Sandwell, Walsall & Wolverhampton➤ Coventry	<ul style="list-style-type: none">➤ All most all sectors are eligible except agriculture, forestry and fishing➤ Businesses need to have been running for at least 12 months

BENEFITS

- **FREE Energy Assessment:** Identify cost-effective energy-saving measures that can significantly lower your energy expenses
- **Grant Opportunities:** Access to grants ranging from £1000 to £100,000 to implement energy efficiency recommendations
- **Carbon Footprint Reduction:** Aid in fostering a cleaner, sustainable future in line with the government's commitment to net-zero emissions by 2050

**If a business has conducted an energy efficiency assessment in the last two years, through accredited auditor, they can fast-track their journey to securing a grant



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GOLF CLUBS WE'VE SUPPORTED

'Shirley Golf Club'

'Moseley Golf Club Ltd'

'Oxley Park Golf Club'

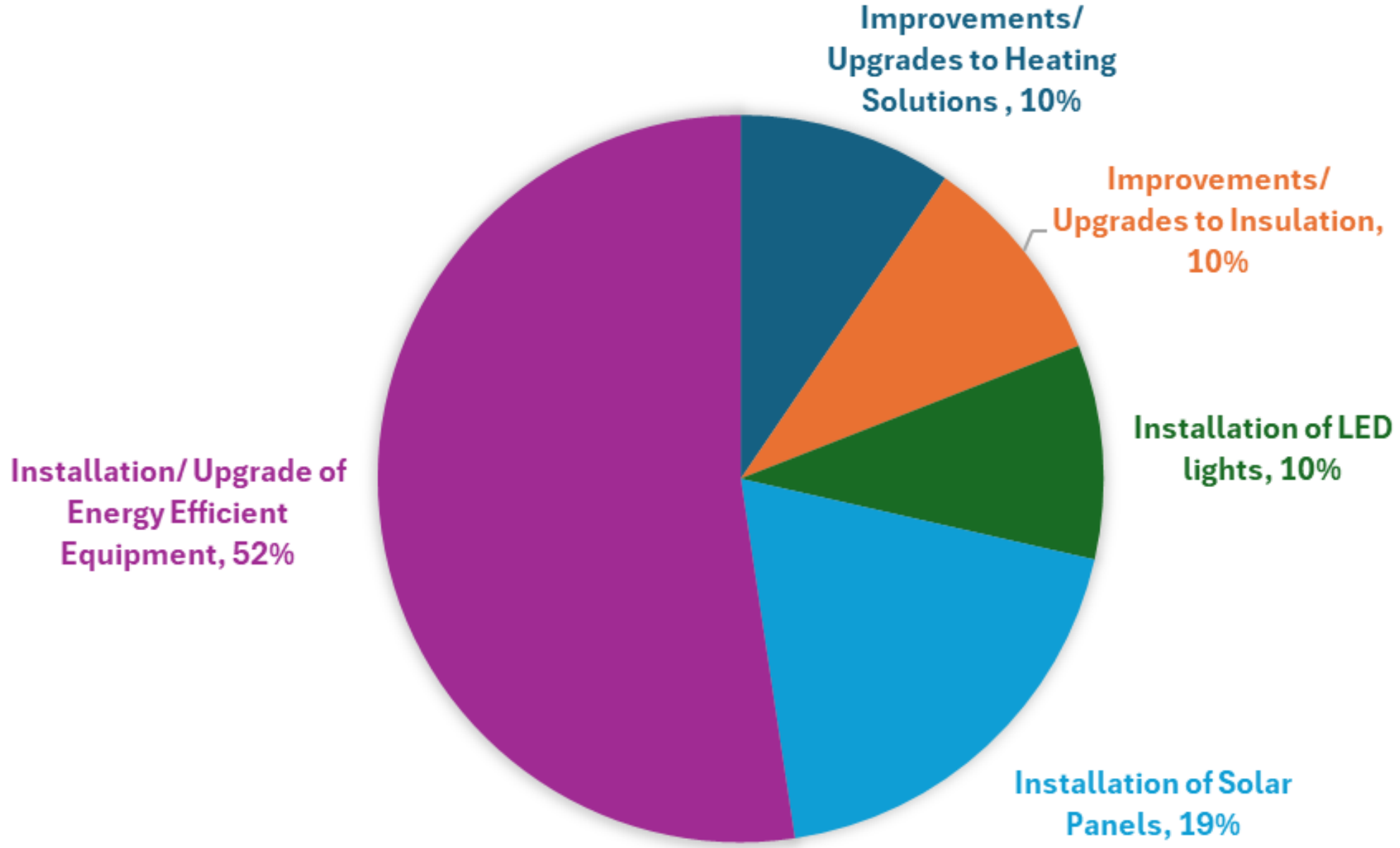
'Olton Golf Club Ltd'

'Copt Heath Golf Club'

'North Warwickshire Golf Club Ltd'

'Bloxwich Golf Club (1988) Ltd'

RECOMMENDATIONS ISSUED



Carbon saving and annual monetary savings for each type of recommendation:



Recommendation Type	Avg Estimated Annual Energy saving (kWh/yr)	Avg Estimated Annual Carbon saving (Co2eqiv/yr)	Avg Annual Monetary Saving (£ excl VAT/yr)
Improvements/ Upgrades to Heating Solutions	27,862.50	5.25	6,512.50
Improvements/ Upgrades to Insulation	9,320.00	2.50	652.50
Installation of LED lights	2,442.00	1.00	619.00
Installation of Solar Panels	72,394.00	15.77	18,753.25
Installation/ Upgrade of Energy Efficient Equipment	12,607.91	6.36	9,932.73

Is Your Golf Club Ready to Make the Change?

WEB

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BOOK AN AUDIT

Scan the QR code or

Speak to us after the presentation



1500+ businesses in
the West Midlands
have already
registered!