



Reducing Costs Sustainably and Improving Environmental Performance

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➤ Groundwork Environmental Business Services (EBS)

Reduce environmental impact

- Implement Environmental Management System (EMS)
- Resource efficiency
- Training
- Environmental legal compliance



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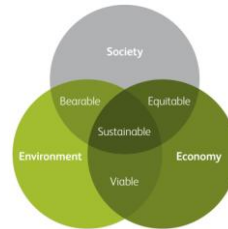
➤ What is Sustainability?



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➤ A question of balance



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Environmental Management System (EMS)



RESULTS:

- 12t packaging waste
- 30t hazardous waste
- Increased recycling of metal and wood
- 5% Electricity savings

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Business Benefits of an EMS



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Monitoring

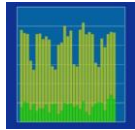
- Electricity



- Gas



- Water



Real time data

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Monitoring

Monitoring of electricity

- Sub metering
- Responsibility assigned
- Energy audit

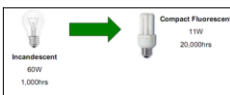
Cost	Saving	Payback
£3,600	60,000 kWh @ 12p = £7,200	6 months

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Low Cost – No Cost Energy Savings



£1,250 pa



£200 pa



£2,000 pa



£300 pa

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Variable Speed Drives (VSD)



Cost	Saving	Payback
£2,100	68,040 kWh = £4,226	6 months

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Power Factor Correction



Cost	Saving	Payback
£2,500	£2,000	15 months

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Compressed Air Leaks



Cost	Saving	Payback
£900	40,176 kWh = £2,459	4 months



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Raw Material Savings



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Waste Management



- 1. Eliminate**
Avoid producing waste in the first place.
- 2. Reduce**
Minimize the amount of waste you do produce.
- 3. Reuse**
Use items as many times as possible.
- 4. Recycle**
Recycle what you can only after you have reused it.
- 5. Dispose**
Dispose of what's left in a responsible way.



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» Water Management



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Good housekeeping measures

Transport

- SAFED
- Fuel cards
- Speed limiters

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Feed In Tariffs



Solar Photovoltaic



Wind Turbines

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Renewable Heat Incentives



Heat Pumps (ground, water & air)



Biomass Heating



Combined Heat & Power

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Help for Businesses



- Carbon Trust - energy efficiency loans.



- Manufacturing Advisory Service
- Black Country Business Environment Association (BCBEA).
- Business Link.



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