

Powering up efficiency

10 essential tips for greener, smarter business operations

Why energy efficiency matters:

Cut costs

Reduce your carbon footprint

Boost productivity & employee wellbeing

Build a resilient, future-ready business

Top 10 ways to maximise energy efficiency for cutting costs, carbon and consumption

1

Start with an energy audit to find out where you stand

- Understand where energy is being wasted.
- Identify improvement opportunities across your operations.

2

Set smart energy goals

- Define clear targets for energy use, renewables and self-generation.
- Don't forget to review your progress regularly!

3

Upgrade to efficient equipment

- Spend smart to save more, look at:
- LED lighting, which can reduce electricity costs by up to 90%!
 - Voltage optimisation and power factor correction to regulate power supply, cut waste, enhance performance and reduce costs.

4

Optimise your daily operations

- Avoid overheating your buildings through smart heating and cooling.
- Reduce temperatures in the warmer months.
- Use timers to cut unnecessary usage – day and night.

Building Energy Management Systems (BEMS) and control automation are essential tools for organisations that need to keep site buildings running as efficiently as possible.

5

Improve insulation

Ensure sufficient insulation in your roofs, walls and floors. Did you know sealing windows and doors can save up to 35% on energy costs and improve noise levels?

6

Use smart technology for automation

- Optimise energy use across HVAC, lighting, and security systems:
- Motion sensor lighting can cut energy use by 30-50% in low-traffic areas.
 - Smart thermostats adjust heating and cooling automatically for comfort, efficiency, and cost savings.

7

Monitor and report

- Monitoring energy use and setting clear, data-driven reduction targets is key to cutting costs and spotting issues early.
- Real-time insights with circuit-level monitoring.
 - Profile alerts flag unusual usage.

Client Saving – Large restaurant chain – Profile Alerts service
12 months monitoring = 290,000 kWh consumption reduction
| £34,000 saving | 73 tonnes CO₂ cut

8

Invest in on-site renewable energy

- On-site generation can provide a reliable source of renewable energy, reduce reliance on the grid and lower your energy costs:
- Solar PV
 - Combined heat & power (CHP)
 - Heat recovery
 - Heat pumps
 - Organic Rankine Cycle (ORC)

Client Saving – Clwyd Compounders – Monitoring & solar PV
£64,500 savings | 290,000 kWh renewable energy annually giving a payback in under 2.5 years

9

Engage your team

Energy efficiency thrives when everyone is involved. Educate and empower staff through training and simple actions like switching off unused equipment, using natural light, and setting thermostats wisely. Employee engagement can boost energy efficiency by up to 10%.

10

Partner with the experts

- Every business is unique—partner with experts to set clear goals and implement effective energy-saving solutions tailored to your needs. Let us help you:
1. Define your goals
 2. Deliver cost and consumption savings
 3. Reduce emissions
 4. Future-proof your operations

Becoming an energy-efficient business may seem daunting, but the benefits – cost savings, stronger reputation, and sustainability – are worth it.

Power your greener future and start (or continue) your energy efficiency journey with Inspired.

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