



The Energy Opportunity: Unlocking Savings, Resilience and Compliance

Manufacturing NI





Ben Craig

Head of Partnerships and
Business Development

📍 Unit 11 Innovation Centre, Catalyst, BT3 9DT

📞 +44 7512303373

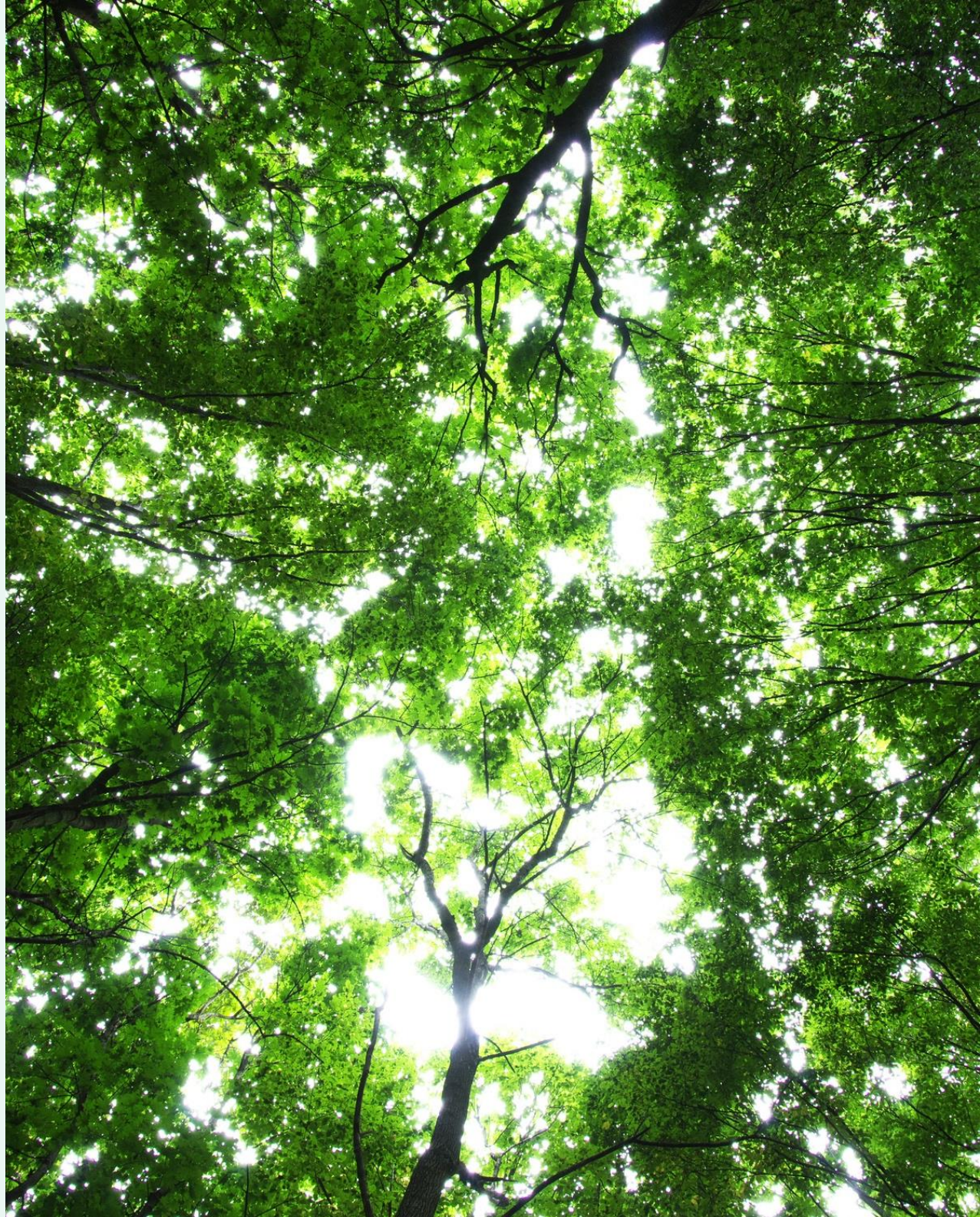
✉️ ben@carbonfit.online


🌐 www.carbonfit.online



Today's Agenda

- 🌱 Welcome
- 🌱 Why Energy Matters More than Ever
- 🌱 The Cost of Inaction
- 🌱 The Opportunity
- 🌱 The Path Forward
- 🌱 Final Message



A photograph of a male worker with a beard, wearing a white hard hat, safety glasses, and an orange high-visibility vest over a dark blue shirt. He is operating a lathe machine in a factory setting. The machine is metallic and complex, with various adjustment knobs and a rotating part. The background is slightly blurred, showing other industrial equipment. A large teal shape with a rounded corner is overlaid on the right side of the image, containing the title text.

Why Energy Matters More Than Ever especially within the Manufacturing Industry

The Cost of Inaction

Higher bills and volatile pricing

Missed opportunities for funding

Risk of non-compliance or penalties

The risk isn't just environmental — it's financial and operational.

The Energy Efficiency Advantage

20-30% potential energy savings
(typical)

Reduced emissions = reduced costs

Fast payback on simple measures



Cutting Energy Waste: Where to Start



Baseline your Usage



Low-Hanging Fruit



Process Optimisation

Start with visibility. You can't manage what you don't measure. A clear baseline helps identify 'energy leaks' – from unnecessary lighting and inefficient motors to compressed air losses and process scheduling

Energy Resilience: Managing Risk and Continuity

Diversify energy sources

Develop backup plans for grid instability

Explore on-site generation (e.g. solar, CHP)

Consider battery storage for peak protection

Build flexibility into your energy contracts

The risk isn't just
environmental — it's
financial and operational.

Compliance as a Competitive Advantage

SECR, ESOS, ISO 50001

Increasing focus in procurement and
audits

Demonstrating sustainability in
tenders



Carbon Reduction: Real-World Manufacturing Wins



Driving Sustainability with Carbonfit

Partnering with Carbonfit ensures McCloskey International's sustainability data is accurate, verifiable, and compliant. Powerful dashboards provide data-led insights for confident decision-making.

The results? Tangible cost savings, operational efficiencies, and a competitive edge that drives business success.

- + Over £150k Savings to date with carbonfit
- + 600 KW PV installed across 2 sites in 2022 resulting in a 37% reduction in grid supply.
- + Net-zero pledge for Scope 1 and 2 emissions by 2030 with carbon reduction roadmap to 2030

In Their Own Words

"Carbonfit allows us to track and share our progress with our teams directly"

Declan Hughes
McCloskey International

"Carbonfit made the path to energy efficiency and carbon reduction clear and achievable. Their team understood the challenges of a manufacturing environment and delivered practical solutions that are already making an impact. From audit to action, the process was smooth, insightful, and results-driven"

John Collins,
McCloskey International



The Power of Data & Digital Tools

Technology plays a crucial role. With the right tools, you can move from reactive management to predictive planning. Dashboards, alerts and live tracking help you make smarter decisions and reduce manual effort.

Funding, Grants and Incentives



NI/UK funding
Opportunities



Energy Audits +
Implementation Support



Links to Innovation +
Net Zero grants


One of the biggest misconceptions around energy upgrades is that they're too expensive or out of reach for smaller manufacturers – but in reality, there's more funding support available than many businesses realise

Engaging your Team

Awareness = action

Behavioural change matters

Train, reward, involve



The risk isn't just
environmental — it's
financial and operational.

Carbon Reduction: Real-World Manufacturing Wins

Driving Sustainability with Carbonfit

Partnering with Carbonfit ensures the Camlin Group's sustainability data is accurate, verifiable, and compliant. Powerful dashboards provide data-led insights for confident decision-making.

The results? Tangible cost savings, operational efficiencies, and a competitive edge that drives business success.

- + 56% reduction in Scope 1 and 2 emissions.
- + Removal of 153.61 tCO₂e from operations.
- + 13% further reduction in overall Scope 1, 2, and 3 emissions.
- + Achieved Net Zero Scope 2 emissions through 100% renewable energy usage.



In Their Own Words

"We joined the Carbonfit as an Accelerator Member, and now their chartered engineers ensure our sustainability data is accurate, verifiable, and compliant."

Lesley Orr, Sustainability Director,
Camlin Group

"Camlin Group was highly impressed with the expertise and commitment to sustainable energy solutions demonstrated by Carbonfit through their Green Energy Procurement service."

David Lyness, Group Financial Controller
Camlin Group

Free Energy Health Check for NI Manufacturers

Are you ready for the upcoming energy price increase?

Pass-through charges are rising – but you might be able to offset them.

We'll check:

- ⌘ If you're eligible for rebates or cost recovery on past charges
- ⌘ If switching to a green (renewable energy) tariff could save you cost and carbon
- ⌘ If you're overpaying on your current contract

What you need to do:

- ⌘ Upload a recent electricity and gas bill – that's it.



What's Next?

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Unit 11 Innovation
Centre Queens
Road Belfast BT3
9DT

028 9013 0167
carbonfit.online

