

Energy Performance & Decarbonisation Guide

Reducing Energy Costs, Improving Efficiency and Planning for Decarbonisation

Identify opportunities, reduce costs, and build a practical roadmap for energy performance improvement.

Common Energy Challenges



Rising Energy Costs

Energy remains one of the largest and most volatile operational costs for many organisations — even small inefficiencies can translate into significant annual expenditure.



Limited Visibility of Energy Usage

Many organisations lack the visibility needed to fully understand how energy is being consumed across their facilities. Without reliable data, opportunities can be missed and investment decisions become difficult to prioritise.



Ageing Infrastructure

Ageing building services, process equipment and control systems can contribute significantly to excessive energy consumption, increased maintenance costs and reduced operational performance.



Decarbonisation Pressure

Sustainability commitments, regulatory requirements and stakeholder expectations are increasing the pressure on organisations to better understand, manage and reduce their carbon emissions.

"Many organisations know savings opportunities exist but struggle to identify where to prioritise investment."

What We Typically Find During Energy Audits



Compressed Air Systems

One of the most common sources of energy waste — from leaks and poor controls to inappropriate operating pressures.



HVAC & Ventilation

Opportunities through controls upgrades, scheduling improvements, and equipment replacement across heating, cooling and ventilation systems.



Motors & Process Equipment

Production processes frequently contain motors and equipment operating inefficiently or outside optimal conditions.



Controls & Scheduling

Many facilities operate systems for longer than necessary or use outdated control strategies that increase energy consumption unnecessarily.



Metering & Monitoring

Limited energy visibility makes it difficult to identify opportunities, measure performance, or prioritise investment decisions.

TYPICAL FINDINGS

20–30%

energy waste from compressed air leaks in typical facilities

15–25%

savings potential from HVAC controls optimisation

10–40%

motor efficiency improvement with variable speed drives

Up to 30%

From Audit to Action

An energy audit should not be viewed as an end point. The most successful organisations use audit findings to develop a practical roadmap for implementation — progressing from insight to action with clear accountability at every stage.

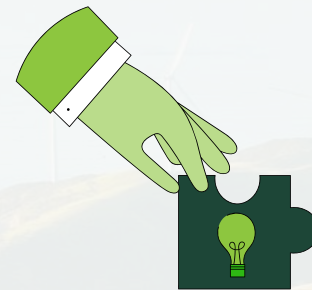
01



Energy Audit

Understand current performance and identify the full range of improvement opportunities across all energy systems.

02



Feasibility Assessment

Evaluate the technical, financial, and operational viability of identified measures to prioritise the strongest opportunities.

03



Funding & Grant Support

Identify available SEAI supports, Enterprise Ireland programmes, and sector-specific funding to improve project viability.

04



Implementation

Deliver prioritised improvement measures with appropriate project management, contractor oversight, and quality assurance.

05



Monitoring & Verification

Track performance against projections, ensure projected savings are achieved, and build the evidence base for future investment.

EXPERIENCE ACROSS COMPLEX FACILITIES

Every organisation faces unique operational challenges. Our experience spans a wide range of environments — helping organisations move from energy audits and assessments to long-term performance improvement.

MULTI-SITE OPERATIONAL ESTATES



DLR Leisure

Following an initial Energy Performance Contract, Lawler Sustainability has continued to support DLR Leisure through advanced metering, monitoring and post-occupancy performance evaluation, providing real-time visibility across multiple leisure facilities.

Services Delivered

- Energy Performance Contract
- Post-Occupancy Evaluation
- Metering & Monitoring Strategy
- ISO 50001 Support
- Decarbonisation Assessment

"Lawler's focus on post-occupancy evaluation and continuous improvement gives us clear visibility of how our facilities are operating day-to-day."

— Niall Cull, CEO, DLR Leisure

REGULATED & CRITICAL ENVIRONMENTS



Zoetis

Lawler Sustainability completed a comprehensive energy audit identifying immediate efficiency improvements and long-term decarbonisation opportunities, establishing a structured roadmap of quick wins, medium-term investments and a pathway towards net zero operations.

Services Delivered

- Metering & Monitoring
- Decarbonisation Roadmap
- Operational Optimisation
- Energy Management Strategy
- Compressed Air Systems

PROCESS MANUFACTURING



Aurivo

Aurivo engaged Lawler Sustainability to undertake an engineering assessment of existing energy infrastructure. The assessment focused on steam systems, refrigeration performance and heat pump capacity, providing recommendations to improve system efficiency and reduce operating costs.

Services Delivered

- Steam System Optimisation
- Energy Efficiency Improvements
- Refrigeration Performance
- Operational Performance Review
- Heat Pump Capacity Assessment

EXPERIENCE ACROSS COMPLEX FACILITIES

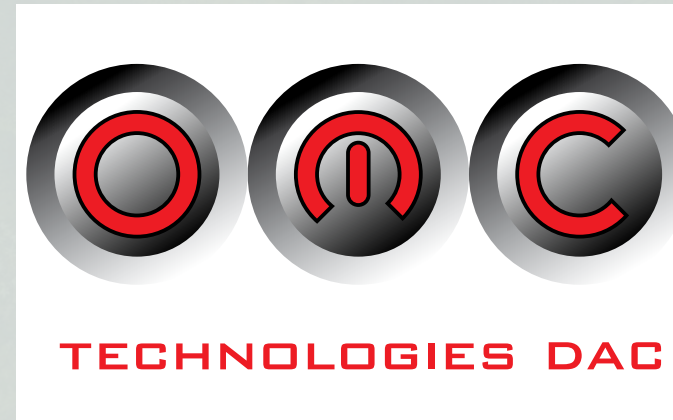
ENERGY INTENSIVE OPERATIONS

OMC Technologies

Lawler Sustainability completed a decarbonisation audit identifying opportunities to reduce energy consumption, improve operational performance and support long-term carbon reduction objectives, providing a structured roadmap to prioritise investment decisions.

Services Delivered

- Energy Audit
- Investment Prioritisation
- Decarbonisation Strategy
- Long-Term Roadmap
- Carbon Reduction Opportunities



HIGH PERFORMANCE PRODUCTION FACILITIES

Nelipak Healthcare Packaging

Lawler Sustainability developed a decarbonisation strategy focused on improving energy performance and supporting the organisation's transition towards lower-carbon operations, identifying practical measures that balanced operational requirements and long-term sustainability objectives.

Services Delivered

- Decarbonisation Strategy
- Operational Efficiency
- Energy Performance Assessment
- Sustainability Roadmap
- Carbon Reduction Planning



A STRUCTURED APPROACH

While every operational environment is different, the most successful projects follow a common path:



01 Energy Audit

Full site survey & baseline assessment



02 Assessment

Technical & financial appraisal of opportunities



03 Roadmap

Prioritised programme with costs & savings



04 Implementation

Delivered with project management support



05 Monitoring

Ongoing M&V to verify savings & performance

Whether supporting a leisure estate, pharmaceutical facility, manufacturing plant or industrial operation — our focus remains the same: measurable, long-term energy and carbon performance improvements.

Funding & Support Opportunities

Depending on organisation type and project scope, a range of funding mechanisms may be available to support energy performance improvement.

Funding programmes change regularly and should be reviewed as part of project planning.

Funding availability changes regularly. Always seek current guidance when developing projects.



SEAI Supports

The Sustainable Energy Authority of Ireland offers a range of supports for industrial energy efficiency, including the Large Industry Energy Network, energy auditing support, and feasibility study funding.



Enterprise Ireland Programmes

Enterprise Ireland provides funding and business development support including the Green Transition Fund and decarbonisation supports for Irish manufacturers.



Energy Monitoring Initiatives

Support for the implementation of ISO 50001 energy management systems and structured energy monitoring programmes, improving data quality and performance tracking.



Decarbonisation Supports

Targeted funding and advisory support for organisations developing decarbonisation roadmaps and transitioning away from fossil-fuel energy sources.



Sector-Specific Funding

Sector-specific programmes may be available depending on the industry, scale of project, and energy type — including supports for heat, process, and transport decarbonisation.

About Lawler Sustainability



Lawler Sustainability is an independent sustainability and building services consultancy supporting industrial and commercial organisations across Ireland and the UK.

We work with clients to identify opportunities, develop business cases, secure funding, and implement practical energy performance improvements — from initial audit through to monitoring and verification.



Industrial Energy Auditing

Detailed site surveys and energy assessments identifying inefficiencies **across all systems**.



Funding & Grant Support

Identification of **applicable supports and assistance** with applications and programme compliance.



Decarbonisation Planning

Roadmap development and carbon baseline assessment supporting long-term transition planning.



Feasibility & Business Case Support

Technical and financial appraisal of improvement measures to support investment decisions.

Ready to Improve Your Energy Performance?

01

Review Your Current Position

Understand where energy is being consumed, what your costs are, and where the most significant inefficiencies are likely to exist.

02

Identify Opportunities

A structured energy audit will identify specific improvement measures — with projected savings, implementation costs, and payback periods.

03

Build a Practical Roadmap

Prioritise measures, identify applicable funding, and develop an implementation plan that supports both cost reduction and decarbonisation goals.

*Improving energy performance starts with understanding your current position.
We are here to help you take that first step.*

Book an Energy Performance Review

**Contact Our Energy Auditing &
Decarbonisation Team**



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