

Energy & Carbon Reduction Solutions



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Volatile energy prices and emerging environmental legislation have propelled energy and carbon reduction to the top of the corporate agenda. In order to minimise costs, comply with legislation, and reduce carbon emissions, organisations now need to be proactively managing their energy consumption.

Inenco / NIFES offer a wide range of services that can help you to do this, ranging from full Carbon Management programmes through to ongoing assistance with compliance. Whether you are looking to generate cost savings, reduce your carbon footprint or manage your compliance obligations, we are equipped to assist you.

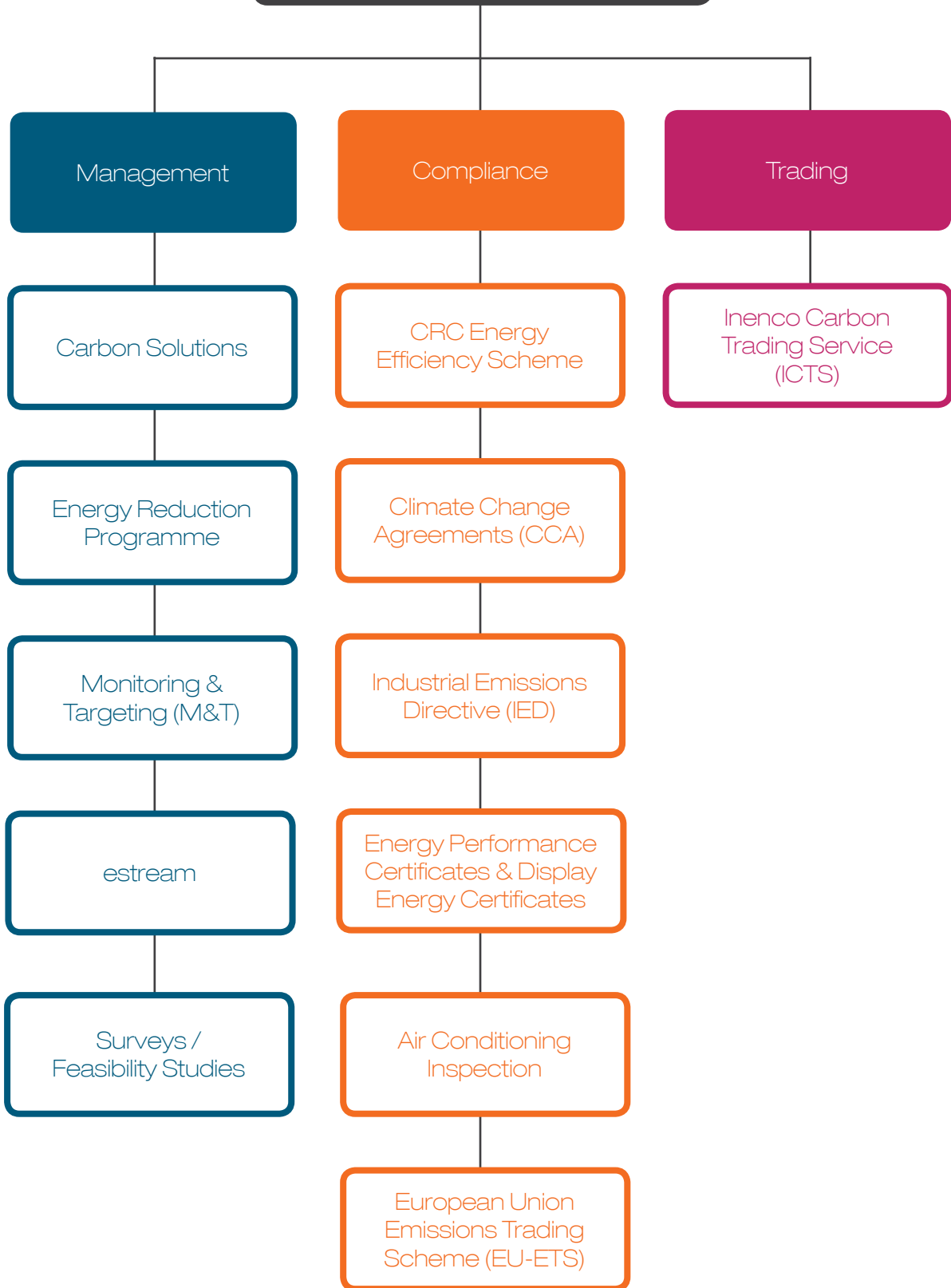
In addition to our wide range of services, we are also able to provide bespoke solutions for your specific energy or carbon reduction requirements.

We have over 300 people across the UK with years of industry experience and specialised expertise in all aspects of energy and carbon reduction. You can be sure that you will have the right people working with you to bring the best results out of your project.

This document is designed to give you an overview of our Energy & Carbon Reduction Solutions, and the benefits these services could bring to your organisation.



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Carbon Solutions

Our Carbon Solutions service provides a managed strategic approach for your carbon reduction activities. The service begins with the Corporate Evaluation Phase (CEP), an intensive programme designed to produce a structured Carbon Management Strategy, tailored to the objectives and requirements of your organisation.

This one, two or three year plan details the savings that can be realised, including low cost / no cost and medium to high cost measures. For projects that require investment, this strategy will act as a business case that can be used internally to secure buy-in by demonstrating the potential benefits.

The 2nd Phase of Carbon Solutions is geared towards implementing these measures and monitoring the reductions that have been achieved. Our performance reporting ensures you can measure and communicate your successes clearly back into your business. We aim to deliver a structured approach that enables continuous improvement and cost savings for your organisation.



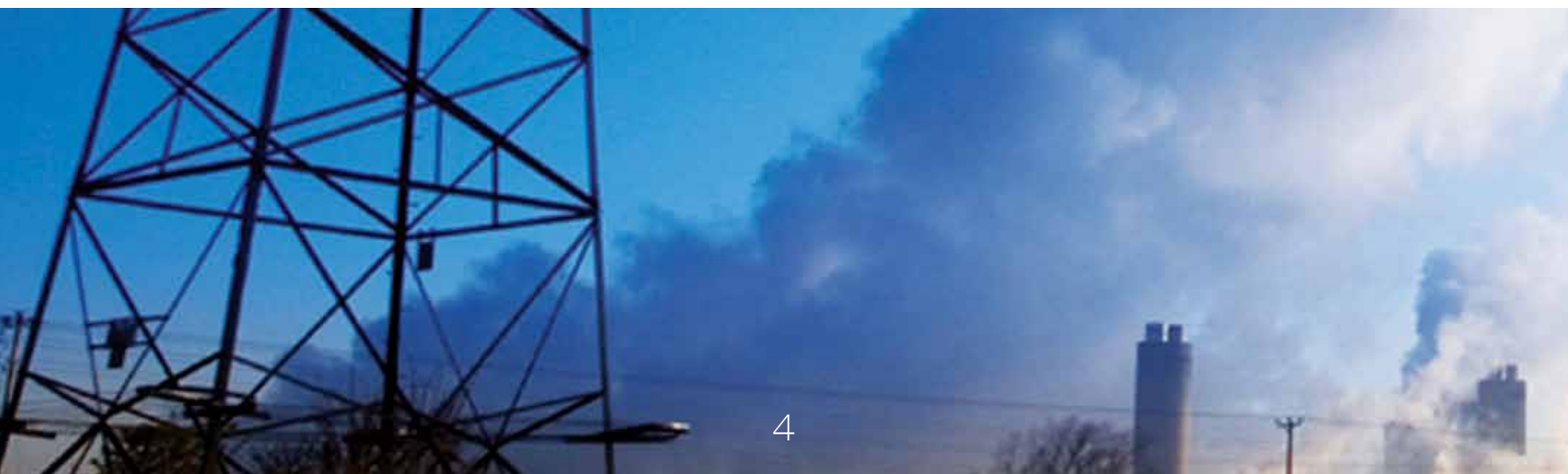
Reduce carbon emissions to meet CSR objectives, comply with carbon legislation and drive down costs



Minimise your energy consumption to ensure your energy overheads are as low as possible



Set out a structure for continuous improvement with a robust Carbon Management Strategy tailored to your organisation



Energy Reduction Programme

It is often assumed that achieving any meaningful reduction in consumption requires a significant investment in money and time. The Energy Reduction Programme is aimed at delivering quick, quantifiable results.

Our “Save as You Survey” approach delivers no cost / low cost savings early in the project. In our experience, these savings can range from 5% to over 25% of your annual energy consumption. The proceeds from these savings can often be utilised to fund significant long term saving opportunities that might require a level of capital investment.

Our service is underwritten with a minimum performance guarantee arrangement. This gives you confidence that you will achieve a minimum guaranteed saving over the duration of this agreement. We are able to offer this level of assurance because we are confident that working alongside our experts, you will be able to reduce your energy consumption, achieving significant and quantifiable savings.



Reduce your energy costs and carbon emissions by running energy and carbon reduction initiatives on a range of levels



Achieve quick, quantifiable results from no cost / low cost savings implemented as part of our “save as you survey” approach



Eliminate the risk to your organisation by taking up our minimum performance guarantee



Monitoring & Targeting

Monitoring your energy usage is the basis for all effective energy management. Without accurate and timely data, it is almost impossible to identify areas of wastage and to track savings in energy consumption.

Our state of the art M&T system works by collecting data provided automatically by your AMR / Half Hourly meters and presenting it daily within a range of pre-set reports.

Daily monitoring will enable you to quickly identify areas of excessive use and effectively target your energy reduction initiatives. Further to this, accurate data obtained through our M&T system will make it easy to track and quantify the saving that has been achieved.



Improve visibility of where energy is consumed across your estate



Identify energy saving opportunities that will allow you to reduce your carbon emissions and energy costs



Track and quantify energy efficiency savings accurately whether or not they have been achieved as a result of our M&T system

The Inenco / NIFES estream system is the most advanced energy communication tool available in today's market, allowing you to distribute up to date energy and environmental performance data alongside other dynamic multimedia content. The central focus of estream is to engage your staff, customers and other external stakeholders in your energy and carbon reduction initiatives.

Data is displayed either through LED screens that can be situated strategically across your estate. The range of content that can be displayed is endless, from electricity, gas and water consumption to your own customised company announcements. A range of service levels and specifications are available, depending on your requirements.

estream raises awareness of energy efficiency, driving behavioural change within your organisation from the ground up. At the same time it demonstrates your commitment to your environmental objectives to your customers and other external stakeholders.



Drive energy awareness and behavioural change within your organisation to increase energy efficiency, reducing your energy costs and carbon emissions



Communicate a wider range of information across your estate using our customisable Content Management System



Engage your staff, customers and other external stakeholders in your energy and carbon reduction initiatives to ensure your environmental performance is recognised

Surveys / Feasibility Studies

Our Energy Surveys cover a range of key factors that influence your energy consumption. Our experts are able to evaluate the efficiency of your equipment and operations. We can also review the effectiveness of pre-existing energy management measures.

Once our Energy Survey has been completed, a report is put together detailing the savings available, along with estimated capital costs to implement if necessary. Following this we offer project management services to guide you through the implementation of our recommendations, supporting you to achieve the savings we have identified.

We can also carry out Feasibility Studies, which can cover the implementation of a range of technologies such as lighting, heating and compressed air.

We can also look at renewable generation including Combined Heat and Power (CHP), Anaerobic Digestion and Wind Power. In each case we are able to outline the potential benefits, anticipated issues and estimated payback period of the project in question.



Reduce your energy costs and carbon emissions by identifying areas where energy efficiency could be improved



Improve your current energy management measures and staff energy awareness



Identify from a Feasibility Study possible opportunities for further energy saving projects



CRC Energy Efficiency Scheme

The CRC Energy Efficiency Scheme is a mandatory cap and trade scheme which could have significant implications for your organisation. The cost, administration and CSR ramifications are significant, which means that managing your compliance and exposure is of key importance.

Inenco / NIFES have been closely involved with the CRC since the initial consultation, and as such we have a wide range of experience and specialist expertise relating to the scheme. We offer an end to end CRC Management service, where we will assist you to manage your CRC compliance.

Our solution covers ongoing compliance including maintenance of your evidence pack, database management and an annual CRC Trading Report. All services are delivered by our dedicated CRC data team. We are committed to reducing your in-house administration requirements and ensuring that your data disclosures are accurate. We can also offer in-depth advice on improving your position in the CRC league table.



Minimise the in-house administration requirements of the CRC by outsourcing day-to-day compliance to our dedicated team



Improve your chances of achieving a higher position in the CRC league table by proactively managing your CRC obligations



Further reduce your CRC exposure and overall energy costs by accessing our wider range of energy and carbon management services.

Climate Change Agreements (CCA)

Since its introduction in 2001, the Climate Change Levy has added up to 10% to the cost of electricity and gas. Climate Change Agreements were introduced to provide discounts, mitigating the cost for energy intensive businesses operating within certain industry sectors.

Implementing a Climate Change Agreement can be a complex process. Once you have established which of the processes at your site qualify for the discount, you are required to quantify your energy usage in detail to evidence this. Maintaining the discount requires regular reporting to demonstrate that your emissions are on track.

Inenco / NIFES can provide you with the assistance you require to obtain and maintain a Climate Change Levy discount for your business. Since October 2009, we have administered Climate Change Agreements for 268 sites, which have collectively benefited from Climate Change Levy **savings of over £7 million per annum.**



Maximise your Climate Change Levy discount by working with our specialist engineers



Maintain your discount and reduce in-house administration with support from our dedicated Climate Change Agreements team



Further reduce your energy costs by accessing our wider range of energy and carbon management services.



Industrial Emissions Directive (IED)

The purpose of the Industrial Emissions Directive (IED) is to provide for an integrated approach to prevention and control of emissions into air, water and soil, to waste management, to energy efficiency and to accident prevention resulting from industrial activities.

It combines seven pieces of existing legislation, including the Integrated Pollution Prevention and Control (IPPC) and Large Combustion Plant Directives. It will become UK law for new installations from January 2013, and for existing installations by January 2014.

Inenco / NIFES have been assisting organisations with the legislative requirements of the IPPC for over 10 years which means we are ideally placed to assist your organisation to comply with the IED. We are able to assist you to identify and implement “Best Available Techniques” at your site, and support the administration required to comply with the scheme.

We can also support you to manage your energy consumption and carbon emissions with our energy and carbon reduction services. With our wide range of capabilities, we could work with you to offset your compliance costs with a reduction in your overall energy costs.



Access expert advice and support on the legislative requirements of your organisation under the IED



Comply with the IED, mitigating the risk of fines and other potential disruptions to your business continuity



Achieve energy and carbon savings, further reducing your overall costs and helping to offset IED compliance costs

EPCs and DEC's

Under the EU Energy Performance of Buildings Directive (EPBD), an Energy Performance Certificate (EPC) is now required for any commercial property upon construction, or prior to sale or lease. Similarly, public buildings in the UK over 1,000m² must display a Display Energy Certificate (DEC) prominently at all times.

Inenco/NIFES are able to advise you on the EPBD regulations, to ensure that your buildings meet the legislative requirements. Our qualified assessors are able to assist your organisation with the provision of EPCs and DEC's.

We can then work with you to improve the energy performance of your buildings. We offer a full site assessment of heating, ventilation, lighting and the thermal efficiency of the construction materials. From this, we can make saving recommendations. An improvement of two classes in Energy Certification can result in an annual energy saving of up to £10/m².



Comply with the legislative requirements set upon your organisation by the EU Energy Performance of Buildings Directive (EPBD)



Improve the rating of your EPC / DEC by addressing energy efficiency issues within your buildings



Reduce your overall energy costs and carbon emissions by improving the energy efficiency of your buildings

Air Conditioning Inspection

Under the EU Energy Performance of Buildings Directive (EPBD), building owners and managers who control air-conditioning systems have an obligation to operate and maintain the system within certain criteria.

What this means to your organisation is that any air-conditioning system larger than 12 kW must be inspected by a qualified energy assessor. This inspection must take place every five years to ensure that energy efficiency levels are maintained over time. Failure to carry out these inspections results in a fine amounting to £300.

Inenco / NIFES have a range of experience of surveying air conditioning systems. We can send a qualified energy assessor to your site to carry out the necessary inspection and produce the energy efficiency report that is required to comply with the EPBD. Our efficiency report will include recommendations to improve the efficiency of your air conditioning system, reducing your energy costs and carbon emissions.



Comply with the EU Energy Performance of Buildings Directive (EPBD) and avoid fines both now or into the future



Understand the efficiency levels and possible improvement areas of your air conditioning systems from our air conditioning efficiency report



Reduce your energy costs and carbon emissions with the assistance of our experienced engineers

If you run one of the 10,000 plus installations across the continent covered by EU-ETS, you will be familiar with the costs associated with the scheme, both financially and in terms of resource. The impact of the EU-ETS stretches beyond the purchase of carbon allowances, to the time consuming administration required to achieve compliance.

Inenco / NIFES offer an EU-ETS compliance solution, where we will manage the requirements of the scheme on your behalf. Our industry experts will work with you to put together a compliance plan covering data collation, reporting and official submissions. We will follow this up by managing these aspects on your behalf on an ongoing basis.

In addition to this, improving energy efficiency for your organisation could reduce the cost of the EU-ETS. With our extensive energy and carbon management expertise, we can plan and implement energy reduction initiatives designed to reduce your exposure to this legislation.



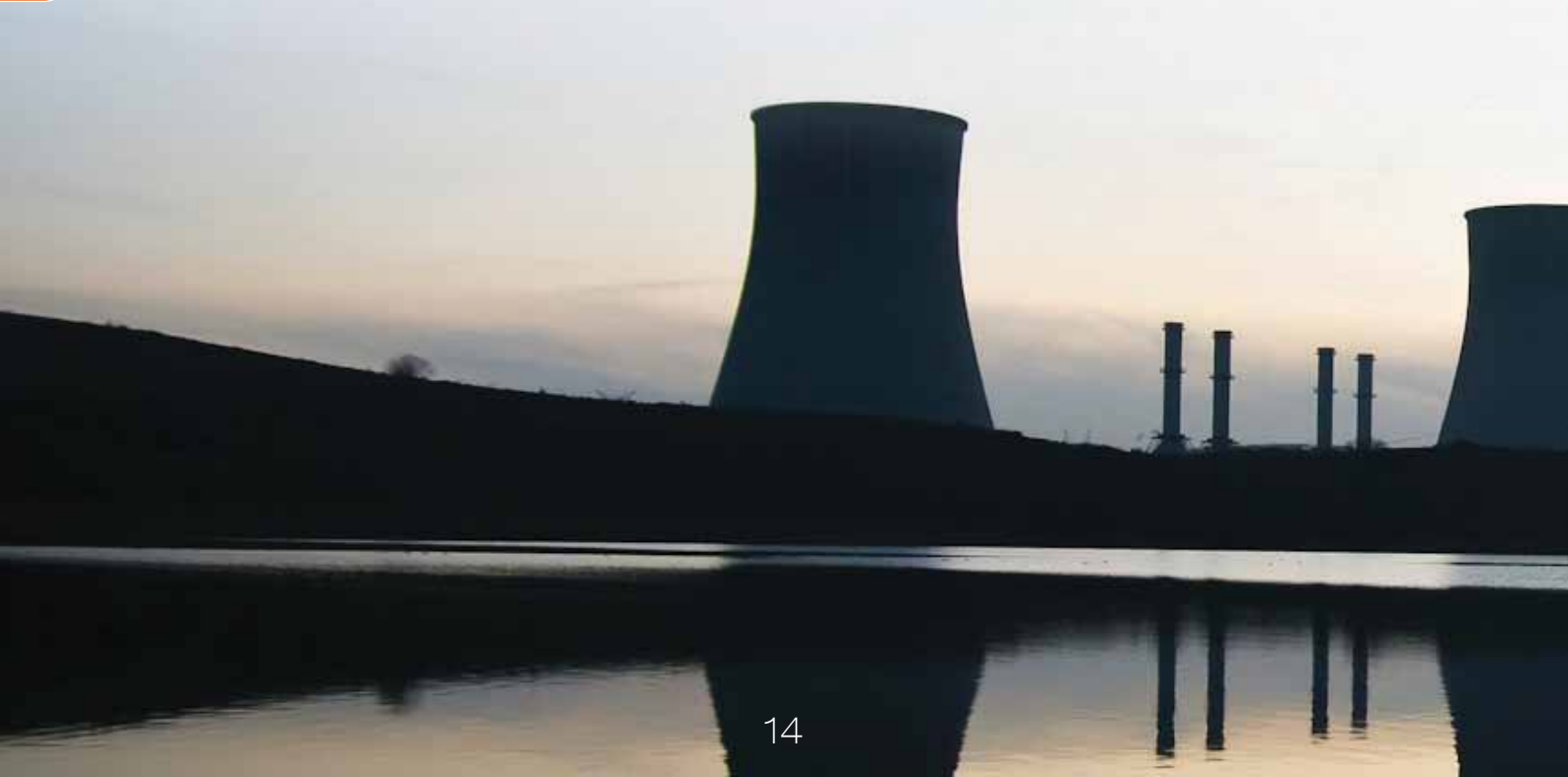
Optimise your long term management of the EU-ETS with a compliance plan put together by our experts



Eliminate in house administration by outsourcing the complex compliance requirements to our data management specialists



Reduce your carbon emissions and therefore your financial exposure to the EU-ETS



Inenco Carbon Trading Service (ICTS)

Inenco / NIFES Carbon Trading Services have been designed to support your organisation across all of your Carbon Trading activities. Purchasing and selling carbon allowances in volatile markets can expose your organisation to financial risk. We specialise in managing that risk, whether you are aiming to create long term price certainty or to optimise your carbon price.

We offer a modular service depending on your requirements, ranging from a trading 'help desk' service providing market intelligence and advice, up to a fully managed carbon purchasing, trading and reporting solution. We can work with you to plan your Carbon Trading strategy, ensuring a structured approach that is tailored to your organisation's risk management objectives.

Our Trading team includes some of the UK's leading experts in Carbon and Energy trading. Our traders are FSA accredited and have a proven track record of trading within rising and falling markets.



Manage the risk of trading Carbon Allowances in volatile markets



Access expert advice directly from our Trading team



Establish a Carbon Trading strategy to structure your approach to purchasing and selling carbon allowances



Why choose us?

Inenco has been supporting clients in all aspects of energy management since 1968. NIFES (National Industrial Fuel Efficiency Service) have been providing energy efficiency and buildings services worldwide since 1953. As a single company with pooled resources and expertise, Inenco / NIFES are ideally placed to offer tailor-made solutions to reduce energy costs and CO₂ emissions, and maximise building performance, in private and public sector organisations.

We have unparalleled experience and understanding of all aspects of energy and buildings management including policy, management commitment, data information, processing, technology applications and behavioural change.


With over 300 employees across the UK, we have the breadth of experience and capability to work with any type or size of organisation. Inenco / NIFES offer a range of energy, environmental and buildings consultancy services, which can be categorised under four key groups:

Energy & Carbon Reduction Solutions



- Management
- Compliance
- Trading

People & Management Solutions




- Policy & Strategy
- Standards
- Training

Low Carbon Projects & Solutions



- Development
- Implementation
- Evaluation

Building Services & Property Solutions



- Surveying
- Design
- Management

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