



University of
Strathclyde
Business
School

MBA Sustainable Energy Futures

an internationally accredited business school



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MBA Sustainable Energy Futures

The energy sector is approaching a decisive moment for international efforts to tackle the climate crisis – often seen as one of the great challenges of our times. The number of countries that have pledged to reach net-zero emissions by mid-century or soon after continues to grow, but so do global greenhouse gas emissions. This gap between rhetoric and action needs to close if we are to have a fighting chance of reaching net-zero by 2050.

Doing so requires a transformation of the energy systems that underpin our economies. We are at the start of a critical decade for these efforts. Given the challenges, leadership decisions in the energy sector require a profound understanding of the sector's technical, economic, legal, financial and entrepreneurial peculiarities. The industry requires skilled individuals who are experts in the field to drive forward the sector. The MBA Sustainable Energy Futures supports these ambitious and curious individuals and future leaders to develop the knowledge, skills and behaviours to work across the sector to tackle these wicked problems.

What is an MBA?

The MBA is a Masters programme providing a comprehensive knowledge of business and management, and is widely recognised as a passport to a successful leadership career.

An MBA:

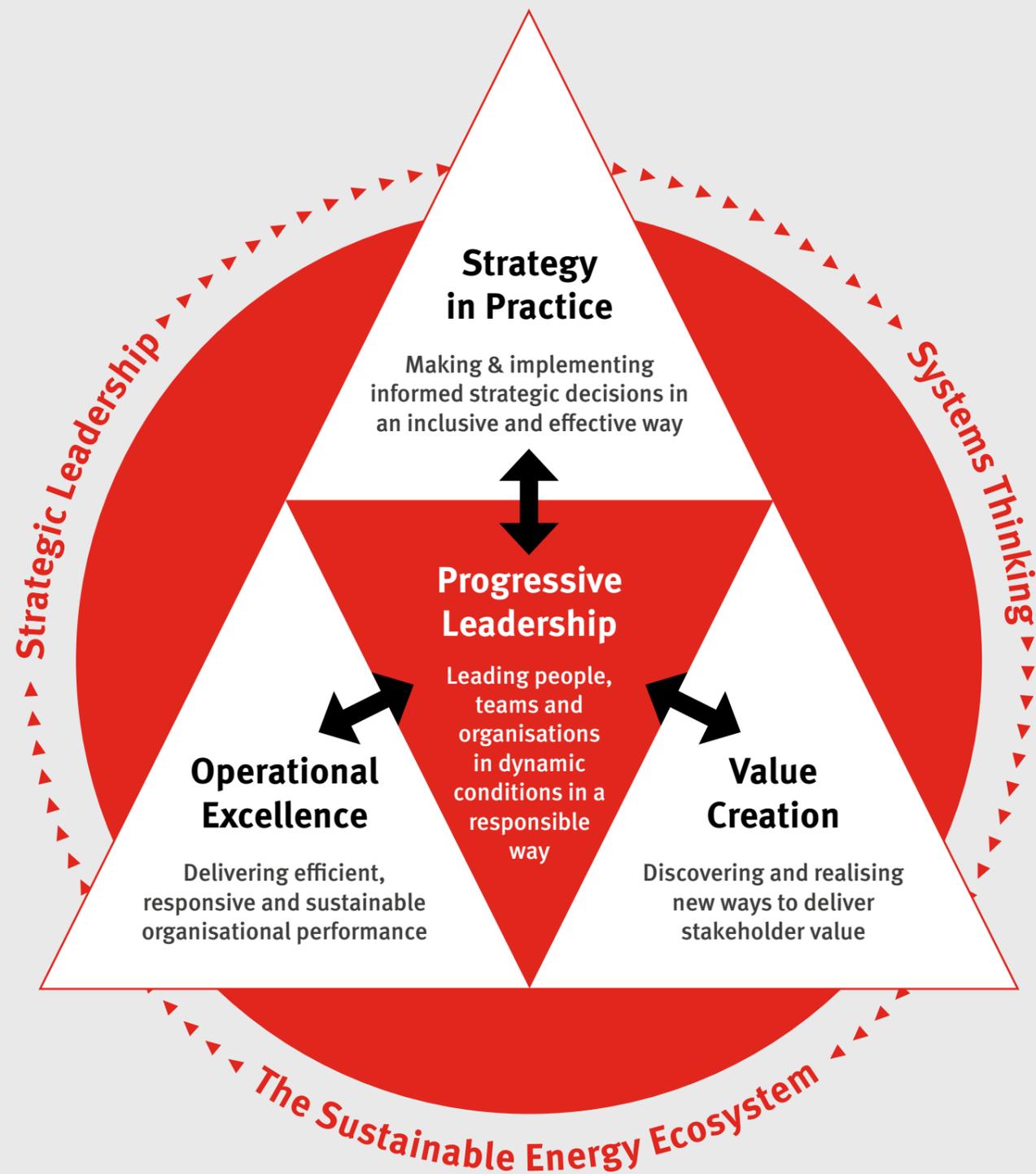
- Allows a smooth progression from a technical specialism to general management.
- Thoroughly prepares participants for higher level strategic positions.
- Exposes participants to practices from multiple industries and operating contexts.
- Provides greater understanding of strategy and market dynamics.
- Advances personal, inter-personal, and communication skills.
- Supports career change and growth.

What makes MBA Sustainable Energy Futures distinctive?

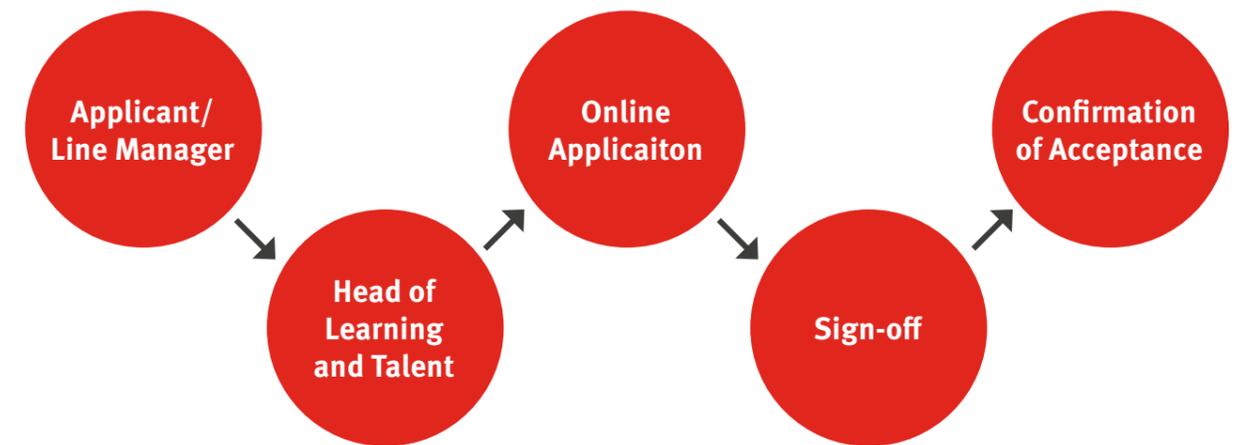
- Co-created with industry leaders to meet the current and future needs of the sector. Industry experts and highly esteemed academics provide the opportunity for discussion, debate and true impact to meet the challenges faced as a result of economic changes, public opinion, technological progress and regulation.
- The programme will help to develop a new mindset, the technical know how and stimulate change and innovation to the industry's future.
- The programme will help decision-makers to develop a systems-thinking perspective for their organisations, mindful that place-based approaches can support collaborations towards net zero and a just transition towards more resilient communities.
- Participants will have the opportunity to work alongside other leaders in their industry, across sectors and siloes, to develop holistic propositions and policies that can create policy change, social impact and social innovation.



MBA Sustainable Energy Futures Structure



Application Process



Entry requirements

Candidates should typically fulfil the following criteria:

1. Managers and leaders in or closely aligned to the Energy industry who wish to gain insight into the unprecedented turbulence, change and opportunity currently afforded.
2. Current and aspiring leaders wishing to develop the knowledge, skills and behaviours of a senior leader.
3. Candidates are supported by their line manager and relevant L&D contacts for selection onto the programme.
4. An undergraduate degree and relevant experience to demonstrate key competencies as a senior leader.



Delivery Methods

Delivery will follow 4 weeks of online materials such as webinars, mini lecture series, discussions and reflection followed by 2 days of intensive in person seminars every 2-3 months. In person seminars take place both in Glasgow and in partner premises, reducing travel across the UK. We carefully design each module to suit the needs of both the learner and the employer.

Our delivery model promotes peer to peer learning and networking, and provides the opportunity to learn from those across organisations and positions, promoting the exchange of knowledge within the profession to create a dynamic learning experience for all. Our approach sees the full energy supply chain represented throughout the programme bring rich and diverse learning to tackling grand challenges for the sector.

Time commitment involved

Approx. 12 hours per week, including self-study and learning sessions. Those undertaking the apprenticeship options will require support from their employer and a commitment to 20% off the job training.



Core Modules

Strategic Leadership Development

This module will enable you to understand multiple perspectives of what constitutes an effective strategic leader. You will explore and become conversant in methods, thinking and changes to cutting edge strategic leadership practice. You will enhance your professional development network and engage with a broad range of stakeholders. Having taken the module you will be able to identify effective leadership practices for addressing organisational change, risk management and sustainable performance outcomes.

The Sustainable Energy Organisation

This module is a core building block for the MBA Sustainable Energy Futures. You will explore the current situation within the energy sector, key concepts, developments and future planning whilst analysing how to build sustainability across the sector. The module explores the multi-agency approach to sustainably and how to work together to tackle some of the great energy challenges. You will continue to return to the module's learning throughout the MBA and ensuring that the professional knowledge, skills and behaviours you develop are against the energy landscape.

Grand Challenges of Corporate Governance: Energy, Policy & Sustainability

Having taken this module, you will understand the key organisational implications of macro-economic factors and grand challenges. The module examines macro-economic source data, analysis and trends and their application to organisational decision-making. The module also discusses the characteristics and role of governance in the life of an organisation.

Leading a Sustainable Organisation

This module will focus on managing organisational behaviour as a leader in an organisation. You will examine the concept of organisational culture and the extent to which it can be evaluated and purposefully changed including the implementation of innovative methods to deliver workplace change and improvement. Having taken the module, you will be able to critique organisational design approaches.

Operations and Project Management

This module is concerned with the importance of the principles of operations management to the survival and success of organisations. Students will appraise the value of structured approaches to project management to the adaptiveness and strategic relevance of organisations. Having taken the module, you will be able to appraise operational performance using key frameworks, compare and evaluate different project management approaches and evaluate tensions and opportunities for managing change and efficiency in organisations using these approaches.

Business Intelligence and Data Analytics

The focus of this module is on the appraisal of the value of data and access to methods of analysis for organisations. Having taken this module, you will be able to apply problem structuring to organisational situations. You will be able to source and manage data sets required to generate business intelligence.

Accounting & Financial Practice of Energy Transactions

This module enables students to discuss, interpret and react to information in financial statements and reports. Having taken the module, you will be able to explain key accounting and financial management concepts and their application to organisational financial performance. You will be able to appraise the strategic and operational value of accounting and financial functions to organisational leadership teams and performance.

Partnerships, Stakeholder Relationships and Business Development in a Digital Age

This module examines the principles, practice and strategic value of marketing management in different contexts. Concepts, issues and strategic value of branding across organisational settings, markets and territories are discussed. Value-creating potential, options, risks and issues for marketing practitioners arising from macro trends in digital, sustainability, globalisation and demographic change are evaluated. Having taken this module, you will be able to appraise the marketing and brand management approach of an organisation and identify strategic marketing and branding initiatives to improve performance.

Entrepreneurial Thinking & Practice

This module focuses on personal entrepreneurial skills and competencies, the difference between traits and mindsets and the role of growth mindsets in entrepreneurial thinking and action. We will explore the role of ambiguity and uncertainty in the entrepreneurial journey and your personal response

to these. You will have the opportunity to identify your current frames of reference, communication styles and the relationship between empathy and trust. Understanding your own styles and approach in order to analyse the impact and role this has on the entrepreneurship of your organisation.

Digital Transformation and Technical Innovation

Focusing on digital disruption and digital technological trends, you will explore how to analyse an organisations digital maturity and readiness to engage in transformation and innovation. You will develop strategic decision making, business planning and influencing skills in relation to driving, appraising and recommending digital transformation and technological options.

Energy Supply & Trading

This module explores the unique position of pricing, supply and trading within the energy sector. You will explore how the product is traded, the impact of multifaceted factors on the pricing of the product and undertake analysis on forecasting for the sector.

Economic Analysis for Strategists within the Energy Sector

This module will enable you to understand the key influencers of profit in a business: production conditions on the supply side and the nature of demand. You will be able to explain the impact of market structure and competition on profitability, and related impacts on strategic management decision making, appraise the implications of various organisational forms and modes of entry for engagement in international activity and explain the impact of the policy environment on business activity and long term decision making.

Applied Strategic Management

During this module you will learn to critique a number of strategic theories and concepts, design and engage with a strategy and scenario planning process to evaluate a range of options for an organisation within the energy sector. You will explore strategy from a human-centred, inclusive approach and evaluate the impact of this on strategic planning.

Project

The capstone Project is the culmination of the learning across the MBA programme. You will apply your management and strategic leadership knowledge, skills and behaviours to design and carry out an academically informed project to tackle a management project specific to the sector and your organisation.

Our programmes are designed to fully engage participants in peer to-peer learning and to provide access to relevant and impactful guest speakers, case studies and examples from the business world.

About Strathclyde Business School

Strathclyde Business School (SBS) was founded in 1948 and is a pioneering, internationally renowned academic organisation with a reputation for research excellence.

One of four faculties forming the University of Strathclyde, SBS is a triple accredited business school (AMBA, EQUIS and AACSB accreditation) and was the first business school in Scotland to achieve this accolade in 2004.

More recently, SBS was awarded the Small Business Charter Gold Award – one of only five institutions in the UK to hold this award - which recognises the business school's world-leading support for scaling Scottish firms through innovation, internationalisation and leadership.

Strathclyde is currently ranked 1st in the UK for Accountancy & Finance from Times Good University Guide, was named THE Scottish University of the Year and is the only University to have been awarded THE University of the Year twice.

Fees and funding

The programme allows for building the knowledge, skills and behaviours on a modular basis, with participants able to build these over time, use as CPD, or complete the full MBA. As such the fee structure is aligned to credits undertaken.

Full MBA: £27,000
Per 10 credits: £1,500

* The programme is aligned to the Senior Leader Apprenticeship. Participants on the MBA Sustainable Energy Futures can access Levy funding for up to £14,000 of course fees.

Ongoing discussions are in place to align this programme to the Systems Thinking Degree Apprenticeship which attracts funding for up to £18,000 course fees. We are happy to discuss these options further.

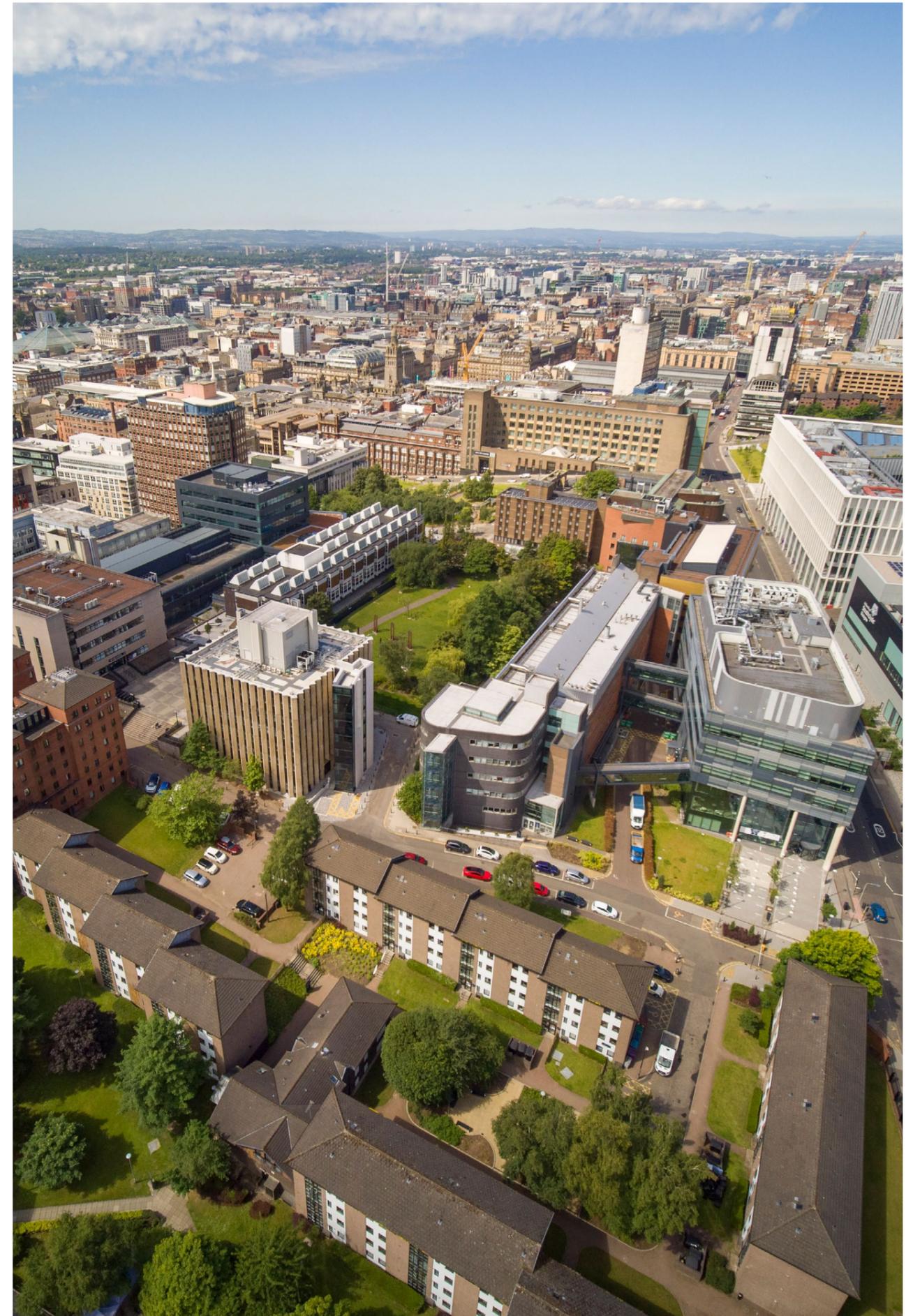


Message from the Dean

Professor David Hillier
Vice Principle & Executive Dean
Strathclyde Business School

The University of Strathclyde is delighted to launch our new MBA Sustainable Energy Futures programme. The sector is facing some of the greatest challenges of our time, including changes to technology, regulation, economics and the climate crisis. At such a time organisational leadership is key to driving change and responding to the grand challenges faced across the energy ecosystem. We are delighted to work with our partners across the sector to deliver this exciting new programme.

An MBA is often seen as the flagship business programme, supporting high-potential managers in reaching senior levels of management. We are delighted to work with partners across the Energy ecosystem in their commitment to developing future leaders by providing a tailored MBA for key personnel. Our MBA for the Energy sector offers a blended approach to learning and a greater focus on work-based assessments and professional development. Working with a triple accredited business school with the pedigree and assurance our Strathclyde MBA programme offers, will provide you with an exciting opportunity to develop new skills and ensure that our partners continue to build their reputation and meet future objectives.





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the place of useful learning

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