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empowering the telecoms world

Critical Business Basics for Carbon and Net Zero in Telecoms

Course Code: CS2001

19th July 2023 | Live Virtual Classroom

www.wraycastle.com

In Partnership with:

CITY SCIENCE
delivering decarbonisation

Course Summary

Critical Business Basics for Carbon and Net Zero in Telecoms is brought to you by **Wray Castle**, one of the world's most established telecoms training providers and **City Science**, the UK's leading specialist in modelling net-zero and carbon accounting. This combination of in-depth telecoms insight with powerful carbon modelling skillsets is uniquely positioned to provide both net-zero advisory and training services to the TMT markets.

Critical Business Basics for Carbon and Net Zero in Telecoms features a series of seven one-hour modules targeting busy executives or managers covering the key business risks and opportunities facing the telecoms sector as a result of climate change. This course will provide a broad overview of the key issues telecoms executives need to be aware of including the potential business impacts of external policy changes, regulatory and reporting considerations, green finance, emerging business models and current sector best-practice.

Prerequisites

A basic understanding of business concepts and operations would be helpful, as would some familiarity with emerging trends in sustainability and sustainability reporting

Who would benefit?

This training course would benefit telecoms executives or managers who want to understand the key business impacts and opportunities related to climate change. This could include individuals who are responsible for strategic planning, risk management, financial management, sustainability, and compliance within their organisations.

Course Modules:
1. The Science and Terminology
2. Policy, Development of External Factors and Telecoms Impacts
3. Reporting and Regulatory Requirements and their Implications
4. Trends and Potential Impacts of Green Finance (ESG, Green Finance, Offsets etc.)
5. Business Model Impacts and the Net Zero Opportunity for Telecoms
6. Best Practice and the Telecoms Landscape
7. Business Tools to Help Navigate Net Zero (Next Steps)

About City Science

We are an ambitious, young technology company created to optimise complex energy and carbon systems. We believe that by developing an unmatched understanding of how cities and regions work through data we can enhance existing infrastructure, reduce inefficiencies and improve lives for citizens through evidence-led insights that deliver decarbonisation.

Our team comprises the best statisticians, data-scientists and subject matter experts, working on ground-breaking projects to deliver our goals. www.cityscience.com

Detailed Course Contents

(1) The Science and Terminology

This session starts with an overview of the science and necessary terminology required to understand how activities contribute to carbon emissions.

Topics include:
- The Greenhouse Effect
- Global Warming Potential of Greenhouse Gases
- The process for understanding Carbon Emissions
- Introduction to Scopes
- Introduction to Pathways

(2) Policy, Development of External Factors and Telecoms Impacts

This session starts with a brief review of climate policy through an international lens. The session then provides an overview of the process of domestic decarbonisation and how this can affect policy. The session then provides a review of different international policies and the potential implications on external business conditions. Finally, the potential policy implications are reviewed from the perspective of the Telecoms sector.

Topics include:
- A brief history of international policy including the Paris Agreement
- Understanding national decarbonisation policy development
- International policies and impacts
- Future trends in policy and how they might affect your business

(3) Reporting and Regulatory Requirements and their Implications

This session provides an overview of key regulatory bodies, standards, concepts and terminology associated with regulatory and reporting issues associated with climate change.

Topics include:
- Overview of regulatory and voluntary bodies
  - Including Science Based Targets
- Financial reporting:
  - Streamlined Energy and Carbon Reporting and TCFD (UK)
  - IFRS S1 / S2
- Risk disclosures:
  - Understanding climate risks
- Verifying environmental claims
- Other
  - Emissions Trading Schemes
  - Wider standards to be aware of (e.g. ISO 14060)
  - Local business regulations (e.g. ESOS).

(4) Trends and Potential Impacts of Green Finance (ESG, Green Finance, Offsets etc.)

This session provides an overview of recent developments in Environmental, Social, and Governance (ESG) and Green Finance and the potential effects of emerging solutions and approaches on shareholder value creation and funding costs.

Topics include:
- Background to ESG
- ESG Assessments
- Types of Green Finance
  - Consumer and community finance
  - Corporate finance
  - Offsets
- Up-to-date evidence on financing costs
- Concepts in Shareholder Value

(5) Business Model Impacts and the Net Zero Opportunity for Telecoms

This session moves on from covering business and operational risks and provides an overview of the net zero opportunity. The session starts by discussing emerging consumer trends and then introduces different product and service design approaches, providing case studies from a range of sectors focusing on how these could be applied within Telecoms.

Topics include:
- Consumer trends associated with net zero
- Product and service design approaches
- Types of new products and services
- Case studies

(6) Best Practice and the Telecoms Landscape

This session provides a review of previous concepts, bringing them together through an analysis of current practices within the telecoms sector. The session draws on out-of-sector best practices to highlight additional opportunities for the telecoms sector.

Topics include:
- ESG within the telecoms sector
- Reporting, disclosures, and targets within the telecoms sector
- Climate risk within the telecoms sector
- New products and services within the telecoms sector

(7) Business Tools to Help Navigate Net Zero (Next Steps)

This final session consolidates previous learning and develops the next steps through the introduction of business tools that will help develop leadership in net zero.

Topics include:
- Assessing the current state
- Setting targets
- Communicating the benefits
- Developing skills
- Monitoring progress

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About Wray Castle

We empower the global telecoms world by developing the specialist knowledge, skills and competencies organisations need to build, maintain, optimise and operate the cutting-edge communications networks of today and tomorrow that support national critical infrastructure.

Trusted by the global telecoms industry since 1958, we've helped upskill over 300,000 industry professionals from over 85 countries worldwide. Our learners come from many major mobile and fixed operators, vendors, regulators, consultants, rail operators, energy suppliers and government organisations.

Our Expertise

Our team of highly experienced specialist course developers and instructors come with decades of experience from within the industry and as specialist technical trainers.

We support learners at all stages of their career from new entrants looking for a thorough grounding in industry to experienced engineers needing to get up to speed on the latest network technologies.

Each course features continuously updated content, our courses cover all the major global communications technologies including:

- 5G Technology
- Essential Technologies
- LTE/4G
- UMTS & HSPA

- GSM & GPRS
- IMS & SIP
- Radio Engineering
- Professional Personal Radio

- ORAN
- IP Engineering
- Network Virtualisation
- Telecoms Business

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