

CHARTERED 
INSTITUTE OF PROFESSIONAL CERTIFICATIONS

CERTIFIED RENEWABLE ENERGY TRANSITION SPECIALIST™

CETX™

**Fully Accredited
By:**

Chartered Institute of
Professional Certifications

CPD
Certification Service



PROGRAM OVERVIEW



Renewable energy transition is now one of the most critical strategic priorities for organizations pursuing sustainability, energy resilience, and long-term cost efficiency. Yet studies show that **over 70% of organizations encounter significant barriers** when shifting from fossil-based energy to renewable sources, defeated by **high capital costs, technical complexity, and regulatory uncertainty**.

This certified program develops the strategic perspective needed to assess renewable-energy opportunities across the full project lifecycle. You will learn to **evaluate net-zero pathways, renewable technologies and project-development requirements**, so you can determine precisely which solutions best support each transition objective. By **examining solar, wind, hydrogen, nuclear and emerging technologies**, you will strengthen your ability to compare options on technical suitability and commercial potential. You will also **evaluate energy storage and flexibility solutions**, identifying the approaches that improve system reliability and protect long-term project performance.

You will then build the capability to assess the infrastructure factors that decide whether a promising project actually progresses. By **evaluating grid capacity, connection requirements and curtailment exposure**, you will identify constraints before they undermine project economics or delivery timelines. This understanding will enable you to **interpret technical evidence more confidently and translate it into stronger commercial recommendations**, so you can contribute with authority to feasibility assessments, development decisions and investment discussions.

ACCREDITATIONS



4.8



4.6



PROGRAM OVERVIEW



A strong focus is placed on project economics, bankability and investment decision-making. You will **apply LCOE, LCOS and NPV to assess commercial viability, while IRR and DSCR will help you evaluate investment resilience and financing capacity.** You will also examine PPAs, merchant exposure and revenue uncertainty to understand how cash-flow quality drives project finance. By **connecting financial analysis with project risk**, you will be prepared to challenge unrealistic assumptions, strengthen business cases and back projects that withstand lender and investor scrutiny.

Upon completing the program and passing the Chartered exam, you will be awarded the **Certified Renewable Energy Transition Specialist (CETX™)** designation, evidencing your applied capability to deliver bankable, resilient and commercially viable renewable-energy projects. You will evaluate renewable-energy opportunities with far greater commercial confidence, identify risks earlier and steer projects from strategy through to successful delivery.

ACCREDITATIONS



4.8

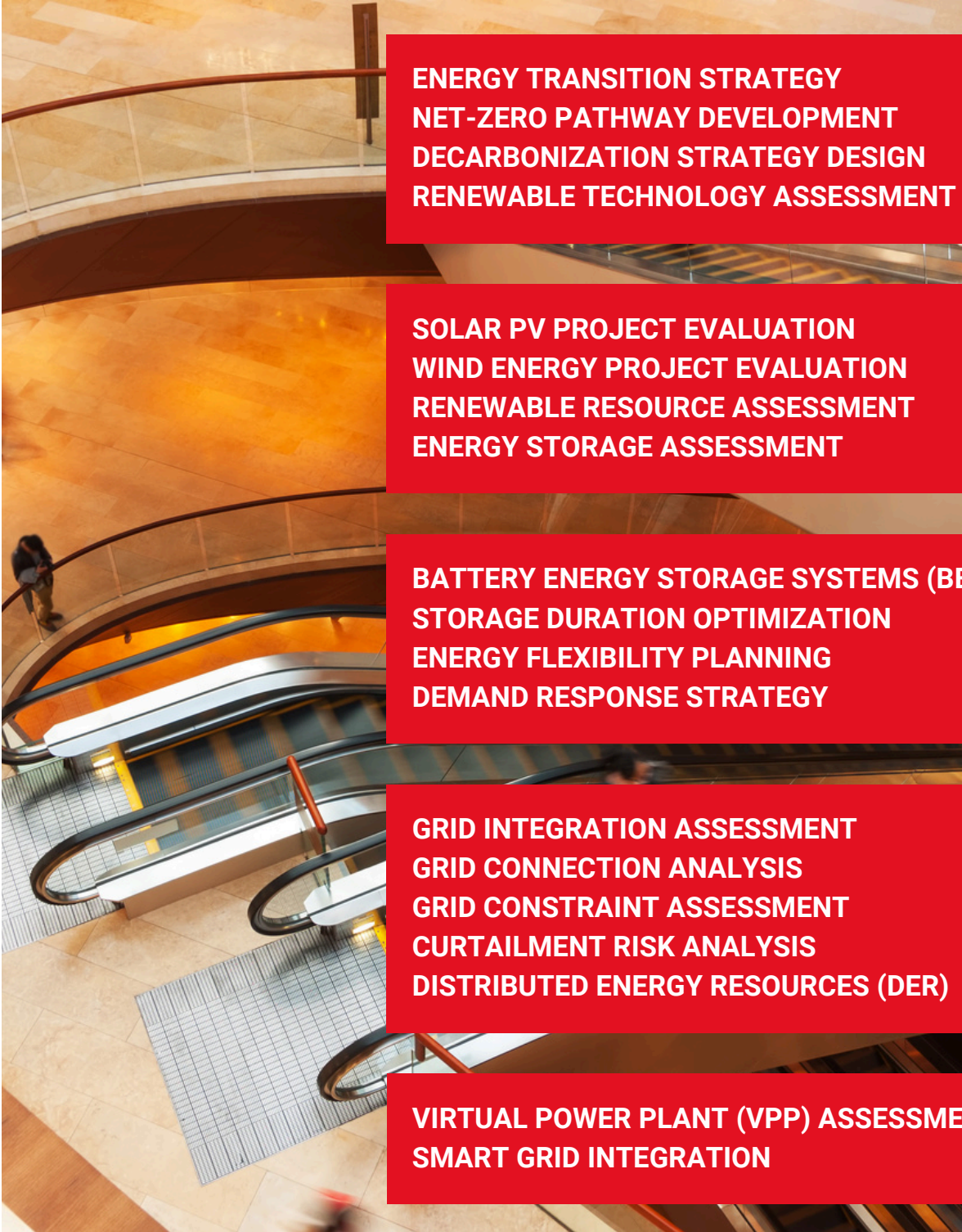


4.6



KEY SKILLS YOU WILL GAIN

From This Program



**ENERGY TRANSITION STRATEGY
NET-ZERO PATHWAY DEVELOPMENT
DECARBONIZATION STRATEGY DESIGN
RENEWABLE TECHNOLOGY ASSESSMENT**

**SOLAR PV PROJECT EVALUATION
WIND ENERGY PROJECT EVALUATION
RENEWABLE RESOURCE ASSESSMENT
ENERGY STORAGE ASSESSMENT**

**BATTERY ENERGY STORAGE SYSTEMS (BESS)
STORAGE DURATION OPTIMIZATION
ENERGY FLEXIBILITY PLANNING
DEMAND RESPONSE STRATEGY**

**GRID INTEGRATION ASSESSMENT
GRID CONNECTION ANALYSIS
GRID CONSTRAINT ASSESSMENT
CURTAILMENT RISK ANALYSIS
DISTRIBUTED ENERGY RESOURCES (DER)**

**VIRTUAL POWER PLANT (VPP) ASSESSMENT
SMART GRID INTEGRATION**

YOUR FACULTY DIRECTOR



Dr Warren Hicks

Leading Renewable Energy and Energy Transition Expert

Dr. Warren Hicks is a renewable energy and energy transition specialist with more than 25 years of experience across consultancy, engineering and project development. His expertise includes **wind, solar PV, and battery storage, supported by extensive experience in hydrogen, grid systems, and energy-yield assessment.** Advising developers, utilities, investors and lenders across the UK, Europe and international markets, he has built an authoritative command of the technical and commercial factors that shape renewable project viability.

Warren has held senior roles with leading organizations including Ricardo, RWE Innogy, Natural Power, Arcus Consulting, and Enertis/Applus/Barlovento. His work has covered **technical due diligence, feasibility assessment, and project development, helping stakeholders strengthen project bankability and investment confidence.** Alongside his professional career, he brings **13 years of teaching experience with The Open University** and has guest lectured at the University of Reading and Kingston University, enabling him to translate complex energy concepts into clear, practical learning.

OUR PARTICIPANTS

Over 70% of FORTUNE 500 Companies Have Attended Our Accredited Programs Before





PROGRAM AGENDA



MODULE 1 - GLOBAL ENERGY TRANSITION AND CLIMATE IMPERATIVES

- Why the Transition is Happening
- Climate, Security and Electrification
- Markets
- Corporate Energy Transition

MODULE 2 - NET ZERO PATHWAYS

- Turning Targets into Plans
- Government Targets
- Emissions Categories
- Role of Renewables

MODULE 3 - RENEWABLE ENERGY TECHNOLOGIES

- Wind, Solar and Other Technologies
- Where Each Technology is Most Suitable
- Technical Performance Drivers
- Technology Choice Exercise

MODULE 4 - ENERGY STORAGE AND FLEXIBILITY

- Battery Storage and Long Duration Storage
- Co-location
- Demand Side Response and Flexibility
- Commercial and Regulatory Challenges

MODULE 5 - GRID INTEGRATION AND DECENTRALIZED ENERGY SYSTEMS

- Grid Connection, Constraints and Curtailment
- Transmission, Distribution and Smart Grids
- Local, Decentralized and Community Energy Models

MODULE 6 - RENEWABLE ENERGY PROJECT DEVELOPMENT

- From Initial Idea to Implemented Project
- Site Selection, Feasibility, Land, Planning and Grid
- Commercial Structuring, Procurement and Delivery
- End Life Options

MODULE 7 - DUE DILIGENCE AND RISK ASSESSMENT

- Why Projects are Assessed Before Finance, Acquisition or Construction
- Review of Design, Permits, Energy Yield and Lifecycle Cost
- How Credibility and Deliverability are Judged
- Risk Register and Investment Decision



PROGRAM AGENDA



MODULE 8 - ECONOMIC ASSESSMENT AND COST COMPETITIVENESS

- Capex, Opex, Capacity Factor and Lifecycle Cost
- LCOE, Revenues, Sensitivities and Viability
- Energy Security and Emissions Reduction Value
- Worked Investment Case and Decision

MODULE 9 - RENEWABLE ENERGY FINANCE AND INVESTMENT MODELS

- Project Finance, Corporate Finance, Debt and Equity
- Investor and Lender Expectations
- Technical, Commercial, Regulatory and ESG Risk
- Investment Models and Example

MODULE 10 - CORPORATE RENEWABLE ENERGY PROCUREMENT AND PPAS

- Corporate PPAs, Onsite Generation and Private Wire
- Procurement Choices, Cost, Risk and Credibility
- Community Energy and Local Ownership
- Buyer Risk Governance Route Selection

MODULE 11 - POLICY, REGULATION AND NATIONAL ENERGY STRATEGIES

- Support Mechanisms Auctions and Carbon Pricing
- Planning, Permitting and Grid Regulation
- Market and Country Examples
- Policy Risk and Strategic Response

MODULE 12 - FUTURE TRENDS AND EMERGING TECHNOLOGIES

- Understanding Technology Change
- Wind, Solar, Green Hydrogen, Digitization and Long Duration Storage
- Electrification, Smart Energy Management and Optimization
- Just Transition, Reskilling and Community Acceptance
- Option Assessment

EXAMINATION

YOUR CHARTER DESIGNATION



Chartered Institute of Professional Certifications' programs are unique as they provide you with professional charter designations and marks that can be used across your lifetime once you have completed our programs.

Upon completing the program and passing the exam, you will receive the prestigious **Certified Renewable Energy Transition Specialist (CETX™)** credential. The certification demonstrates applied capability across renewable-energy transition strategy, project development, project economics, grid integration and investment decision-making. It strengthens your professional standing by proving that you can evaluate renewable-energy opportunities, identify project and transition risks early, and contribute to commercially viable, resilient and sustainable energy initiatives.

Developed by the **Chartered Institute of Professional Certifications**, the CETX™ credential recognizes proven capability in renewable-energy strategy, project development, project economics, grid integration and investment decision-making. The program is also independently certified by **CPD**, confirming its alignment with recognized continuing professional development standards.

ABOUT US

49,525

Business Leaders Have
Attained Their Chartered
Certifications Since 2009

390

Certified and Fully
Accredited Programs

87%

Chartered Leaders Have
Reported Career Promotions
and Enhancements

Chartered Institute of Professional Certifications

All of Chartered Institute of Professional Certifications programs are fully accredited programs. The professional charters and designations are trademarked credentials that can only be used by professionals who have completed and passed our accredited program. It is also independently accredited by CPD as adhering to the highest standards of continuing professional principles.

CHARTERED
INSTITUTE OF PROFESSIONAL CERTIFICATIONS

OUR FACULTY DIRECTORS

We Collaborate With
Instructors From
Renowned Institutions



HARVARD
UNIVERSITY



Wharton
UNIVERSITY of PENNSYLVANIA



Stanford University



UNIVERSITY OF MICHIGAN



THE LONDON SCHOOL
OF ECONOMICS AND
POLITICAL SCIENCE



**Columbia
Business
School**

**London
Business
School**



CONTACT US TODAY

We Thank You for Your Ongoing Support
of Our Programs

Singapore and Asia Pacific Enquiries

Email: advisor@charteredcertifications.com
Phone: +65 6716 9980
Address: Chartered Institute of Professional Certifications
1 Gateway Drive
#20-04 Westgate Tower
Singapore 608531

Australia and New Zealand Enquiries

Email: advisor@charteredcertifications.com
Phone: +61 3 9909 7310
Address: Chartered Institute of Professional Certifications
530 Little Collins Street, Level 1
Melbourne VIC 3000, Australia

UK, Europe and Middle East Enquiries

Email: advisor@charteredcertifications.com
Phone: +44 (020) 335 57898
Address: Chartered Institute of Professional Certifications
86-90 Paul Street
London, EC2A 4NE

USA Enquiries

Email: advisor@charteredcertifications.com
Phone: +1 888 745 8875
Address: Chartered Institute of Professional Certifications
99 Wall Street #3936
New York, NY 10005