Certified Data Centre Sustainability Professional (CDCSP®) Training

Duration: **5 Day**

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Overview

Develop a sustainability strategy and practical business implementation plan that supports the transformation of a data centre towards a credible long-term sustainability lifecycle. Explore innovative approaches that challenge established business practices while remaining sensitive to operational risk and business continuity.

Growing awareness of the urgent need to build and maintain a more sustainable future, together with continuously evolving legislation, is placing increasing pressure on data centre operators. Organisations are expected to adopt effective sustainability strategies, improve their environmental credentials and demonstrate measurable progress to customers, investors and other stakeholders.

The Certified Data Centre Sustainability Professional (CDCSP®) program provides in-depth knowledge of the steps required to evaluate, analyse, plan, implement and monitor a sustainability strategy for data centre facilities while maintaining an appropriate balance with operational capability.

Sustainability is considered from a broad range of perspectives, with the continuing ability of the critical data centre facility to support business requirements remaining a central priority. The program examines the importance of establishing an appropriate strategic vision and identifying the business drivers required to create a balanced and structured approach to sustainability.

The program covers the journey from developing the initial business case through to analysing power distribution, cooling systems, IT hardware and potential operational risks. It also considers design innovation and the implementation of sustainability initiatives while recognising the business and operational challenges that may arise during the transformation process.

Maintenance strategies, continual planning cycles and critical performance analysis against established targets are also explored. Particular attention is given to the need to demonstrate measurable Return on Investment (ROI) while identifying and maximising the wider business, customer, social and environmental benefits that can result from an effective sustainability strategy.

Certified CDCSP® professionals are expected to understand relevant compliance requirements, including applicable national and international regulations, codes and standards. During the program, learners have an opportunity to access and review current industry standards.

Following completion, learners are encouraged to continue their professional development. Progression through The Global Digital Infrastructure Education Framework supports further recognised certifications and qualifications and provides career development opportunities throughout the network infrastructure and data centre sectors.

Prerequisites

Previous experience working within a data centre environment is essential. Ideally, learners should have approximately two years of experience as a technical designer, operations manager or within a senior facilities role.

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If you would like to discuss your existing experience or suitability for the program, please contact us.

What You Will Learn

The CDCSP® program is designed to combine existing data centre knowledge, skills and professional experience with new learning focused on technical collaboration and innovative approaches to sustainability.

Successful learners will develop the capability to:

- Create long-term data centre sustainability strategies
- Align sustainability targets with technical and operational requirements
- Analyse current energy inefficiencies and resource wastage
- Identify realistic and measurable sustainability improvements
- Support collaboration between technical teams and business functions
- Evaluate the risk, cost and operational implications of sustainability initiatives
- Implement sustainability strategies and monitor their ongoing performance

Outline

Understanding Sustainability and the Business Approach

- Understanding the need for sustainability
- Assessing the impact of sustainability requirements on the data centre sector
- Developing an appropriate sustainable approach
- Understanding legislative and regulatory drivers
- Corporate Social Responsibility (CSR)
- Considering the wider impact of CSR on the data centre industry

Establishing a Data Centre Performance Baseline

- Establishing the current performance position of the data centre
- Identifying energy inefficiencies
- Recognising areas of resource and energy wastage
- Maximising the use of existing assets
- Creating a reliable baseline against which future sustainability improvement can be measured

Understanding Business Needs and Data Centre Limitations

- Identifying current and future business requirements
- Understanding technical and operational limitations within the data centre
- Balancing sustainability targets with operational needs
- Protecting the continuity of critical services

Business and Operational Risks of Sustainability

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- Identifying potential business risks associated with sustainability transformation
- Evaluating operational risks
- Assessing potential impacts on critical infrastructure
- Establishing appropriate approaches for reducing risk

Creating a Sustainable Business Ethos

- Building sustainability awareness throughout the organisation
- Encouraging collaboration between technical and management teams
- Integrating sustainability into business decision-making
- Establishing a culture of continual improvement

Establishing a Business Case for Sustainability

- Developing a clear business justification for sustainability investment
- Identifying core business drivers
- Evaluating operational and financial benefits
- Recognising potential risks and opportunities
- Supporting stakeholder collaboration
- Establishing organisational commitment to sustainability objectives

Business Approach to Sustainability

- Integrating sustainability targets with wider business strategy
- Aligning business priorities with sustainability objectives
- Assessing operational feasibility
- Building a structured long-term sustainability approach

Learning Objectives

Throughout the program, learners will develop advanced understanding and evaluation skills in the following areas:

Evaluating the Wider Implications of a Sustainable Data Centre Sector

- Understanding the broader implications of developing a more sustainable data centre industry
- Evaluating the influence of government policy
- Considering the role of non-government organisations and industry bodies
- Understanding the relationship between regulatory requirements and operational priorities

Aligning Sustainability Strategies Through CSR

- Aligning data centre sustainability strategies with environmental requirements
- Incorporating customer expectations into sustainability planning
- Considering social factors
- Using Corporate Social Responsibility (CSR) as part of the wider sustainability strategy

Creating an Operational Baseline

- Evaluating current data centre energy performance

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- Identifying areas of energy inefficiency
- Recognising energy and resource wastage
- Identifying suitable sustainability measures
- Prioritising practical and achievable improvement opportunities

Identifying Risks, Challenges and Benefits

- Analysing the potential risks associated with sustainability initiatives
- Identifying technical and operational challenges
- Evaluating potential business benefits
- Developing a framework for implementing sustainability initiatives

Building a Structured Business Case

- Identifying the organisation's core business drivers
- Assessing potential risks
- Encouraging collaboration between business and technical teams
- Building organisational commitment to sustainability
- Establishing measurable sustainability targets and strategies