DCT Data Center Essentials

Program Duration:
1 Day

Program Objectives
- Different factors drive the need for a data center:
- Driving factors for a data center
- Data center standards
- Data center availability models and cons

Pre-requisites
There are no specific pre-requisites for this program.

Target Audience
This program has been designed for individuals who are either new to the data centre sector (technicians with limited experience or exposure to data centre facilities) or for those who sell products and services to the data centre sector.

Program Overview

Data centers play such significant roles in our business and personal lives, yet not many people really know what they are. Often referred to as "the cloud" where our data is stored and processed, they are much more than this; they power the internet giving us the ability to pay bills online, access our emails, obtain money from ATM machines, watch movies, communicate around the world and to carry on what is now considered a normal, fiercely technological lifestyle.

This program has been designed to help de-mystify the complex world of data centers. It provides an overview of what data centers are, what they do and why we need them. Key aspects relating to basic design and design philosophies are also examined and the essential considerations of data center management such as operational processes, energy management and facility management are explored along with their relationships to overall business strategy.

DCT Data Centre Essentials Topics

Managing a Data Center
- Regulations, Best Practices, and Operational Processes
- Change Management Processes - including Moves, Adds, and Changes (MACs)
- Efficient Energy Management
- Commissioning and Decommissioning Processes
- Information Technology and Physical Security Management

Management, Efficiency, Security
- Ability to be relied upon.
- Ability to be available as and when needed.
- Duplication of components
- Classification of data center - Tier levels

Main Components Of Data Center
- I.T components
- Power components
- Cooling components
- Auxiliary components – fire, security, BAS

Data Center Active Equipment's Spaces
- Data center spaces
- Recommended Layouts
- Space cleaning
- Approach to commissioning

Managing Data Center Supporting Spaces
- Cooling system spaces
- Power system spaces
- Fire protection spaces
- Network infrastructure spaces
- General offices & security spaces

Managing Data Center Security, Safety, Network & I.T
- Safety precaution measures
- Managing Security
- Managing Fire protection
- Managing network
- Managing I.T infrastructure