

Data Centre Cleaning: Contamination Control & COSHH

Learn to control contamination, clean data centre environments safely and manage COSHH risks and emergency cleaning incidents.

6

MODULES

38

TOPICS

COURSE OVERVIEW

This course examines why data centres fail due to dust, dirt and contamination, and how industry standards and organisations define environmental quality and filtration requirements. It covers data centre layouts, including room types, ventilation, racks and raised floors, before addressing daily, monthly and annual cleaning sequences, products and equipment. It also covers risk assessments, COSHH, access permissions and incident reporting, along with exceptional cleaning after events such as fire suppression releases, floods, oil spills, battery acid spills and zinc whiskers.

WHO THIS COURSE IS FOR

Data Centre Cleaners

Facilities Managers

Health And Safety Officers

Data Centre Technicians

Contamination Control Specialists

LEARNING OBJECTIVES

- Identify the main causes of data centre failure and contamination
- Explain data centre standards and their environmental quality requirements
- Describe data centre layouts, room types, ventilation and raised floors
- Apply daily, monthly and annual cleaning sequences and equipment
- Assess risks and hazards using COSHH and risk assessment processes
- Explain access permission and incident reporting procedures
- Plan exceptional cleaning after fire suppression, floods and spills
- Describe how to deal with zinc whiskers and battery acid spills

6 Modules, 38 Topics

01

Introduction to Data Center Cleaning

TOPICS

- The main reasons for failure in a data center
- Why dust and dirt is a problem in a data center
- The main sources of contamination
- The cost of a data center failing

02

Data Center Standards

TOPICS

- What data center standards exist
- Other bodies which influence data center design and management
- What these standards and organisations say about environmental quality in data centers
- What filters should be in place to reduce dust and debris

03

Data Center Layouts

TOPICS

- What a data center is
- The different types of data center
- How are computer rooms laid out
- Why are they arranged in certain ways
- The different rooms and spaces in a data center
- Why we need ventilation
- Types of racks
- The construction of raised floors

04

How to Clean a Data Center

TOPICS

- What to do before you start
- Daily Clean, Monthly clean and Annual clean
- The best cleaning sequence - what order to clean in
- Sizing the computer room from an IT requirement
- Cleaning products and equipment
- Working safely around fire systems
- Working with raised floors
- Exceptional cleaning after incidents
- Reporting, test and certification

05

Security and Health and Safety

TOPICS

- Risk assessments
- COSHH Control of Substances Hazardous to Health
- Working with risks and hazards
- Access permission
- Specific risks in data centers
- Incident Reporting

06

Emergency and Exceptional Cleaning

TOPICS

- Exceptional Cleans
- Cleaning after fire suppression gas release
- Cleaning after aerosol powder fire suppression release
- Dealing with floods
- Dealing with Oil Spills
- Understanding batteries and dealing with Battery Acid Spills
- Dealing with Zinc Whiskers

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

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