honeyman TRAINING

Cleanrooms

Principles in Practice®

THE QUEEN'S AWARDS FOR ENTERPRISE

CLEANROOMS PRINCIPLES IN PRACTICE®

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Overview

The Cleanrooms: Principles in Practice® course provides a holistic view of the design, operation and management of cleanrooms, and is suitable for all personnel who work in or manage a cleanroom environment.

The course has been developed by industry experts in cleanroom design, cleanroom validation, microbiology and quality assurance.

Who Should Attend?

All personnel involved in the operation and management of cleanrooms, including:

- Engineers,
- QA staff,
- Validation and
- Operations personnel.

Course Objectives & Learning Outcomes

- Develop fundamental principle knowledge of all personnel involved in the management and operations of cleanrooms
- To be able to apply the knowledge gained to participate in risk assessments and investigations in their own facility
- Have been provided the background on how GMP regulations and ISO standards define cleanroom design, operation and validation
- Understand the main sources of microbiological contamination and how to control and minimise them within the cleanroom
- Recognise current best practices for gowning, changing and operator qualification
- Appreciate the features of cleanroom facility design and how the type of product and operations influence the design
- To understand the qualification of HVAC systems and how to interpret data
- To understand key tests involved in cleanroom qualification, smoke testing and particle counting
- To understand how to use impact assessment to define system boundaries and identify critical components
- Be able to present a cost-effective approach to validation of cleanrooms
- Appreciate cleaning and maintaining control within the cleanroom

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Course Programme

Day One
- Cleanroom Design
- Microbiology Refresher
- Pharmaceutical Cleanrooms
- HVAC Systems
- Microbiology Practical
- HEPA Filters

Day Two
- RABS and Isolators
- Cleaning and Disinfection
- Environmental Monitoring
- Particle Monitoring
- Cleanroom Testing and Classification
- People as a Contamination Source
- Risk Management of Contamination

Day Three
- Cleanroom Behaviours and Disciplines
- Cleanroom Clothing
- Cleanroom Energy Considerations
- Comparison of EU and US Standards
- Cleanroom Qualification

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All courses can be booked online:

Cleanrooms: Principles in Practice®

Pharmaceutical Water Systems

Microbiology for Non-Microbiologists

Sterile Product Manufacture

Cleaning Validation

Pharmaceutical Sterilisation

Microbial Risk Management In Cleanroom Operations

Biotechnology: Principles in Practice®

Honeyman is renowned for industry leading GMP knowledge-transfer, lectures, consultancy and courses delivered face-to-face.

Our Virtual Training now helps you 'keep your space' and stay at the top of your game.

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