



# Passion for Training

Cleanroom Training & Coaching

# The key to the optimal cleanroom

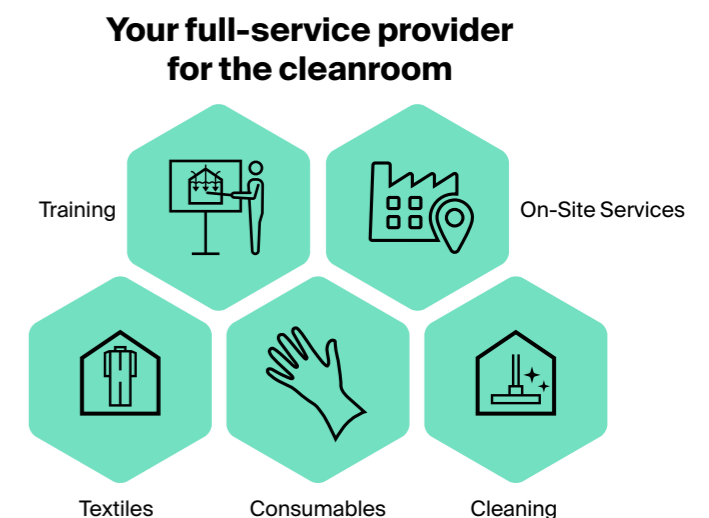
Employees are the decisive factor in the hygienic status of cleanrooms – and the most frequent cause of contamination errors. Our Cleanroom Academy specializes in training your employees on contamination control. We offer in-house training, coaching sessions and online seminars to teach cleanroom operators everything they need to know. After the training, they can reliably master the requirements for proper behaviour in and around the cleanroom. With expertise from over 30 years cleanroom experience, our training experts teach the correct behaviour in and around the cleanroom.

Above all, we make your employees aware of all the possibilities and barriers that provide a clean, contamination free production environment.

→ **Because: Cleanliness is a mindset!**

## We offer even more services around the cleanroom:

In addition to training, we offer as a full-service provider much more: Whether in pharmaceuticals, medical technology, microelectronics or plastics technology – there is always a need for solutions for cleaning, textile management and lock procedures that can be integrated precisely into the respective company processes. We develop modular offers and innovative concepts for your cleanroom tailored to your needs, with comprehensive expertise, many years of experience and great passion.



# We come to you

## In-house training

Your need is a training program, perfect fitting your individual needs?  
Welcome to CWS Cleanroom Academy!

In order to be able to train your team down to the last detail in a way that is ideal for the specific conditions in your company, we will visit your facility and

- analyse your processes
- create a tailor-made training program
- Improve behaviors and processes, and train you on site with your garments, equipment and specific requirements
- analyse and eliminate problems

Up to 12 participants can be trained on your premises. After a pre-visit or pre-meeting, we can target your specific requirements. Our in-house training includes practical workshops and group tasks to ensure a positive learning and implementation success.

Training content is based on regulatory requirements (especially GMP, ISO 14644) and our many years of practical experience at companies such as yours.



## Basic training – Behavior in the cleanroom

Processes in GMP-controlled areas, just like technical cleanrooms, require specific and highly clean manufacturing environments. Operations and maintaining in cleanrooms depend directly on your personnel's understanding of this high-demanding environment. In our basic training, you will learn the basic understanding of cleanrooms. We explain how contaminants can enter your cleanroom, which barriers prevent entry, and sensitize your staff to the correct behavior in the cleanroom. Practical elements are implemented at several points to ensure a varied training program.

- Structural and behavioral barrier concepts to protect the clean environment
- Checking the level of knowledge in quiz form and deriving training topics
- Overview of typical contaminations in cleanrooms
- Behavior in cleanrooms, do's and don't's
- Requirements for clothing and gowning procedures
- Locking processes

Target group: „newcomers“ in cleanrooms, just as experienced personnel, for whom an update is important and required. Also very helpful for cleanroom and production managers or responsible persons for hygiene management / microbiologists.

Industries: pharmaceutical industry, pharmacies with GMP-cleanrooms, medical technology, semiconductor industry and technical cleanrooms

## Cleaning and disinfection of (GMP) cleanrooms

This training was developed for the specific requirements of cleaning and disinfection in cleanrooms, especially in pharmaceutical and medical industries. We repeat some basics about cleanrooms (classes, behaviour), but set a clear focus on the demands for cleaning and disinfection like

- Basic principles: why must we do cleanroom cleaning
- Requirements on disinfection and programs
- Annex 1 topics
- Requirements for consumables (mops, wipes), cleaning systems and equipment
- Cleaning techniques for floors, ceilings, walls and surfaces

Practical parts – training of cleaning processes – are done under guidance of our experienced trainers directly in your cleanroom or CNC areas. Of course, we are able to look for improvement potentials together with you.

Target group: Cleaning staff for cleanrooms as well as team leaders for hygiene / microbiological management. For absolute newcomers, we recommend taking part on our basic training for behaviour in cleanrooms in advance (in-house).

**Book now!**

**[www.cws.com/cleanroomtraining](http://www.cws.com/cleanroomtraining)**

# We meet online

## The Cleanroom Academy Online

To provide you with the greatest flexibility, we have expanded our offer to include a highly professional, multi-device online platform. This allows you to conveniently complete online courses whenever and wherever you want. Easy-to-understand explanatory videos, animations and infographics are used to impart knowledge, which is then reinforced by interactive exercises and tested in final exams. Once a participant has successfully completed all modules, he or she receives a certificate of participation. The online course is available for 6 months, so the participants can work with the content very independently of time and in individual order.

Online Training:

### Behavior in the cleanroom

Contains 5 modules:

- Contamination in cleanrooms
- Cleanroom basics
- Contamination control barriers
- Cleanroom clothing and procedure
- Personal hygiene and behaviour

Price: 290,- Euro per licence

**Register now at:**

**[www.cleanroomtraining-online.com](http://www.cleanroomtraining-online.com)**

Book the online training courses easily via our webshop. Also uncomplicated for an entire team via your HR department.

Complies with data protection requirements.

## Online seminar with trainer

Also available: remote cleanroom training with our experienced trainer  
Topics on demand, i. e.

### Cleanroom basics

### Contamination control

### Personal hygiene and behaviour

### Cleaning and disinfection

Perfect combination: We help you saving valuable time by offering your individual training in parts. It's easy to combine.

1. Online course (detailed and repeatable)
2. Remote training in advance to the in-house Training, with discussion
3. In-house Training with focus on practice and process optimisations

# We find solutions together

## Coaching

In a coaching session, we take a close look at your cleanroom and your processes. The focus is on targeted improvements in the areas of cleanroom cleaning, logistics of airlock processes and personnel behaviour. The coaching includes a theoretical part on the introduction, the observation of your process and a joint risk analysis. With up to 12 participants, we work out proposals for solutions and try to implement them. It is often necessary - but also helpful - for us to take a look at your premises and selected processes beforehand!



**We would be delighted to demonstrate you in a personal conversation how we can help you with your Contamination Control Training!**



**Cleanliness  
is a mindset!**

## **Contact us!**

### **CWS Cleanroom Academy**

Dreieich Plaza 1A  
63303 Dreieich



reinraum-akademie@cws.com



+49 6103 3091290



[www.cws.com/cleanroomtraining](http://www.cws.com/cleanroomtraining)