



Operational Resilience in Sterile Manufacturing:

Contamination Control as a Strategic Advantage

Contamination Control is not a cost center. It is a Strategic Advantage.

- Why Contamination Control Matters
- How Do Contamination Events Disrupt
- How can Contamination Control Programs be Managed across a Network of Facilities
- How we Turn that into a Strategic Advantage





Why Does Contamination Control Matter?

Foundation of Operational Resiliency

- Maintaining Aseptic/Sterile Standards means more production
- Strong Cleaning Programs lead to more organized process
- Having a strong foundation fundamentally allows for better continuity under stress

How Do Contamination Events Disrupt?

They halt production.

70% or more of all Contamination Events are caused by human error due to unclear procedure

This means the majority of your risk in this types of events is coming from the most mundane thing of all, cleaning.

It's not the Science; it's the Process & the Why

Most cleaning programs are not built with clarity or appropriate training and miss out on the most important thing, Buy In.



Harmonizing Contamination Control Across Multiple Sites: Consistency = Resiliency

- Standardize Cleaning, Cleaning Validation and Monitoring Frameworks across the network
- Centralize Data & Analytics for Visibility & Harmonization
- Have all Personnel trained to a unified standard
- Design for Contamination Control & Cleaning Early
- Designing for Control at the front end creates a faster go to manufacture timeline
- Ultimately this all allows for a repeatable process

How to Make this a Strategic Advantage: Leverage Data & Build a culture of curiosity.



Predictive Cleaning Data means Lower Risks

- Cleaning logs provide valuable information and trend analysis to understand your individual sites.
- Each facilities annual data build foresight for a system of longevity

Every Mop Stroke is a Data Point!

If we can understand what a year in the life of a facility looks like from a cleaning perspective, we can assess an entire lifetime.

- Reduce Risk
- Provide longevity to your facility
- Become confident in what makes your rooms CLEANROOMS (hint: it's the first 5 letters)

Strategic Takeaways: 30mins is not enough!

- Integrate contamination control early in every project
- Harmonize cleaning and EM programs across networks, whether internally or by using external resources (like Vibraclean)
- Leverage data for a predictive maintenance & risk prevention
- Building a culture of curiosity & continuous improvement, as it pertains to contamination control
- Treat Contamination Control as a Competitive differentiation, not a cost center

How Does Vibraclean Support?

WE ARE OBSESSED WITH CLEANING

- Currently manage a network of 30+ Sites for various organizations
- We build tailored programs that can be used to harmonize frameworks across multiple facilities
- Not just consulting but hands on experience
- We stay on top of regulatory changes to help keep your process running as efficiently as possible,



Done For You Programs

We can build it from the ground up to help takeover cleaning/documentation entirely from your facilities & operations teams

Done with You Programs

We can work with you to structure a program of training and auditing, to collaborate alongside any teams to ensure efficiency & effectiveness



Thank you



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Controlled Environment Services