

CHANGING THE DATA CENTER LANDSCAPE

A single source of expertise for the entire life cycle of your data center

Server Room Decontamination Services

The decontamination service offered by Symetrix helps maintain your server room clean, reduce your electricity bill and prevent incidents caused by contaminants, minimizing the risk factors that could jeopardize your business continuity.

> IMPACT OF HIGH CONTAMINANT LEVELS

Computer facilities are sensitive to pollutants, both visible and invisible. Microdust isn't captured by standard filters and penetrates into the equipment, where it accumulates on components, raising the operating temperature and increasing the electricity bill as well as the risk of :

- Premature wear
- Intermittent electrical problems
- Blocked equipment ventilation systems
- Equipment failure
- Short circuits
- Triggered fire detectors and suppression systems

> CONTAMINANTS

Some of the most common contaminants found in server rooms are :

- Microdust spread by the air-conditioning system
- Dust brought in by staff
- Fine metal filings
- Cement dust
- Gypsum or plaster dust

> DECONTAMINATION FREQUENCY

ISO standard 14644-1 ("Cleanrooms and Associated Controlled Environments"), Class 8, specifies a server room air cleanliness level of less than 3.5 million 0.5-micron particles per cubic metre of air. Hardware manufacturers and insurance companies recommend decontamination be performed by a specialized company at least once per year.

LIMIT
THE
IMPACT
OF
CONTAMINANTS
IN YOUR
SERVER ROOM



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> DECONTAMINATION SERVICES

General Decontamination of the Room

Remove dust and particulates with HEPA filtered vacuum from all horizontal and vertical surfaces in the room, including walls and other visible surfaces such as cabinets, furniture, countertops, electrical switch buttons and other casework less than eight (8) feet in height.

Decontamination of the Server Room Floor Surface

Remove dust and particulates with HEPA filtered vacuum from the floor surface and all accessible areas under hardware devices and safe cleaning of the floor surface using antistatic, lint-free cotton cloth and specialized cleaner.

Decontamination of the Server Room underfloor Plenum

Remove dust and particulates with HEPA filtered vacuum from the plenum of the raised floor including cleaning of the subfloor slab, floor stringers, pedestal heads, cables, wires and large mechanical components. Perforated tiles are also cleaned to remove any accumulated dust and any possible water leak is dried with a special water vacuum and high-absorption cloths in order to eliminate all traces of humidity.

Decontamination of the Ceiling Plenum

Remove dust and particulates with HEPA filtered vacuum from above the drop ceiling tiles and/or suspended cable trays located above eight (8) feet (if applicable).

Decontamination of Equipment Exterior and Interior

Clean the interior of cabinets as well as the exterior and interior of IT equipment to remove dust accumulated on critical components, such as processors and fans, using ionized air blowing.

Subfloor Encapsulation

Apply an epoxy coating to the concrete subfloor plenum surface to act as a vapor and dust barrier.

> SYMETRIX: YOUR SERVER ROOM DECONTAMINATION PARTNER

With Symetrix, your computer facilities are decontaminated by highly qualified technicians. Unlike non-specialized facility maintenance suppliers, our experts are trained in the specific requirements for data-processing environments:

- Decontamination of equipment interiors using ionized air blowing
- Decontamination of the floor plenum using vacuum cleaners fitted with HEPA filters that capture microparticles
- Use of antistatic, lint-free cotton suits by our team of specialists

Questions about our
decontamination services?

Call us at 1.877.234.9272



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