Advanced cleaning methods for critical environments.

ON-LINE’s Data Center Cleaning services ensure that your mission critical environment meets or exceeds ISO 14644-1 standards. Our cleaning products and redundant time-tested procedures help to optimize hardware performance, prevent faulty fire suppression discharge and promote a reduced PUE resulting in energy savings.

Whether you’re looking for routine maintenance cleaning or a post construction one-time clean, ON-LINE can provide experienced technicians and the proper equipment to get the job done right. All our technicians are specially trained to work in data centers according to ASHRAE, ISO 14644, and IEST standards.

Raised Floor-top Cleaning

Computer room flooring is designed to dissipate static electricity by providing a conductive path to ground. Dust and Dirt greatly reduce the floor’s ability to dissipate static. Additionally, improper cleaning can cause your floor to delaminate or chip. ON-LINE uses specialized cleaning agents that safely remove dust and dirt without causing harm to its surface or components.

Zinc Whiskers – Remediation

Zinc Whiskers or Zinc “Needles” are very small hair-like-structures that has been known to appear on bare metal surfaces of electroplated raised computer room flooring panels and the panel support under structure. Over time the whiskers can grow up to two millimeters in length and can become airborne through your facility’s pressurized air flow. Zinc whiskers conduct electricity and when airborne can travel through air intake vents and land on circuitry, power supplies and other sensitive areas producing catastrophic hardware failures. The good news is that zinc whiskers contamination can be contained and remediated provided that you work with a professional services company. ON-LINE can help with consulting services as well as cleaning and containment services to abate and remediate current and future problems.

Services

- Data Center Cleaning
- Sub-floor Cleaning
- Above Floor Cleaning
- Equipment Cleaning
- Above Ceiling Cleaning
- Sub-floor Deck Seal
- Keyboard Cleaning
- Environmental Audits & Reporting
- Custom Maintenance Programs

Exterior Hardware Cleaning

Our trained technicians use specialized, environmentally friendly cleaning solutions to clean your technical equipment. Every possible step is taken to guard against damage or disruption while performing our duties.

Under-Floor Plenum Cleaning

The highway of any computer room is the plenum beneath its raised flooring. In most designs today, the plenum is the thoroughfare for delivering cool, filtered-air to sensitive equipment above. Unfortunately, because of gravity, the plenum is also the area most prone to dirt and dust. Allowed to accumulate, these contaminants will travel to your equipment and cause clogged circuitry, increase the risk of fire, cause accidental fire suppressant discharge as well as may cause health problems. ON-LINE’s under-floor cleaning service helps protect your equipment from these and other hazards. Our cleaning also satisfies many insurance audits, and may help to reduce your premium.

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Specialized Products for
Data Center and Mission Critical Environments

TACKY MATS
- Made from an incinerable polyethylene film, removes foot borne particulate before entering computer room or cleanroom
- Seamless one-piece construction
- Numbered tabs provide easy identification and sheet separation
- Easy mobility for carts and wheeled machinery
- Polyethylene film contains a special anti-microbial agent providing long-lasting protection against bacterial growth

FLOOR PANEL LIFTERS
Recently redesigned handles on the Double 5” and Double 4” cup models improves comfort and strength. Sides of hand grip and bottom cross bar now have recesses making the handle 13% lighter, great for repeated usage; and the curved recess design strengthens the Lifter.

VERTI-LIFT STANDUP FLOOR TILE PULLER
The Verti-Lifter is designed to be lightweight, simple to use and portable, while still being rugged; making repeated lifting of raised floor tile panels fast, easy, and safe while eliminating bending and kneeling to lift raised floor tiles.

AIR-GUARD SURFACE MOUNT
Designed as a retrofit unit to cover existing floor panel cut outs. Cable seal covers an opening up to 8” x 8”. Provides easy, economical and effective solution to optimising thermal management of a data room plenum cooled raised floor system.
- Reduces air loss and increased under-floor static pressure
- Improves cooling efficiencies and extended cooling equipment life
- Facilitates Cold/Hot aisle best practice
- Seals cable openings to prevent under-floor contamination

Products
- Cabinets
- Cables, Connectors and Management
- Power Solutions
- Cooling Solutions
- DCIM Solutions
- KVM over IP
- Hardware Maintenance Support
- Command & Control Console Furniture

Cooling
- Blanking Panels
- Floor Grommets and Air-Block Pillows
- Hot/Cold Aisle Deflectors
- Under Floor Air Deflectors
- Spot and Temporary Cooling Units
- High Density Cooling Units
- Small Room Cooling
- In-Row/Rack Level Cooling
- DCIM Software
- Liquid Cooling Packages (LCP)

Solutions
- Containment Design
- CFD Reporting
- Energy Conservation Services

National Coverage

CFD Analysis
intelligent airflow management services

1. Perform Site Survey & Equipment Mapping
2. Create Cabinet CFD Models
3. Create a Room CFD Model
4. Perform a Site Survey to Validate the Model
5. Make Necessary Adjustments to the Model

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Technology Support Products, Service and Solutions

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