DATA CENTER SAFETY · ONE-PAGE CHECKLIST

SafetyIQ

Data Center Safety Program Checklist

Use this checklist to review the safety program at your facility or construction site. Each box you can't tick is a gap worth closing before it becomes an incident, an outage or an OSHA visit.

Site: _____ Reviewed by: _____ Date: _____

01 Electrical & arc flash

- ☐ Arc flash risk assessment current (updated within 5 years or after changes) per NFPA 70E
- ☐ Arc flash and shock labels on all switchgear, PDUs, RPPs and UPS cabinets
- ☐ Energized work only under a signed energized work permit
- ☐ Arc-rated PPE available, inspected and matched to label categories

02 Lockout / tagout

- ☐ Equipment-specific LOTO procedures for UPS, generators, CRAC/CRAH and switchgear
- ☐ Stored energy covered: UPS batteries, capacitors, chilled water pressure
- ☐ Zero-energy verification step required before work starts
- ☐ Annual periodic inspection of each procedure, **recorded and retrievable**

03 Batteries & UPS rooms

- ☐ Ventilation and hydrogen monitoring in VRLA battery rooms
- ☐ Lithium-ion thermal runaway plan, detection and suppression reviewed
- ☐ Eyewash and spill kits within reach, inspected monthly
- ☐ Insulated tools and battery-specific PPE on hand

04 Generators & fuel

- ☐ Generator yard access controlled during load testing
- ☐ Hearing protection zones marked and enforced
- ☐ Fuel storage, transfer and spill procedures in place (SPCC)
- ☐ Exhaust and carbon monoxide risks assessed for enclosed areas

05 Fire suppression & confined spaces

- ☐ Clean agent or inert gas discharge procedures and warning signage posted
- ☐ Workers trained on oxygen depletion risk after discharge
- ☐ Underfloor plenums, vaults and tanks assessed as permit spaces
- ☐ Suppression systems locked out during work inside protected rooms

06 Heat, noise & ergonomics

- ☐ Heat stress plan for hot aisles, rooftops and generator yards
- ☐ Water, rest and acclimatization rules for new and returning workers
- ☐ Lift plans and assist devices for servers, batteries and floor tiles
- ☐ Raised floor openings barricaded whenever tiles are lifted

07 Contractors & permits

- ☐ Contractor prequalification: safety record, insurance, training
- ☐ Site induction completed before anyone works unescorted
- ☐ Hot work, energized work and confined space permits issued and closed out
- ☐ Permits and inductions **tracked digitally, not on clipboards**

08 Inspections & equipment

- ☐ Scheduled inspections for PPE, ladders, lifts, extinguishers and eyewash
- ☐ Defects tagged out immediately and tracked to repair
- ☐ Mobile inspection checklists with photos and timestamps
- ☐ Overdue inspections flagged automatically to supervisors

09 Lone & after-hours work

- ☐ Lone worker policy for night shifts and remote sites
- ☐ Check-in schedule with automatic escalation if missed
- ☐ Duress or man-down alerting for high-risk tasks
- ☐ Fatigue risk managed on 12-hour and rotating rosters

10 Incidents, training & review

- ☐ Near misses reported from a phone in under a minute
- ☐ Corrective actions have owners, due dates and follow-up
- ☐ Training records current for every worker and contractor
- ☐ Leading indicators reviewed monthly, not just injury counts

References: NFPA 70E; OSHA 29 CFR 1910.147 (hazardous energy), 1910.146 (permit-required confined spaces), 1910.269 and Subpart S (electrical). This checklist is a guide and does not replace a site-specific risk assessment.

Running this on paper? SafetyIQ turns checklists like this into mobile inspections, permits and lone worker check-ins, with every result logged and every gap tracked to close. Book a walkthrough at **safetyiq.com/demo**

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