

Networking

Environmental Factors and Sensors



Environmental Factors

- Temperature – Extreme heat
 - Extreme heat can be very bad for systems
 - Causes machines to restart, throttle, or shut down



Multiple air conditioning units can help against extreme heat



Environmental Factors



HVAC systems can help maintain the proper humidity in an office environment

- Humidity

- Too much moisture can corrode or short circuit electrical wires
- Too little moisture can cause static electricity
- Humidity is recommended to be between 45 and 55%



Environmental Factors

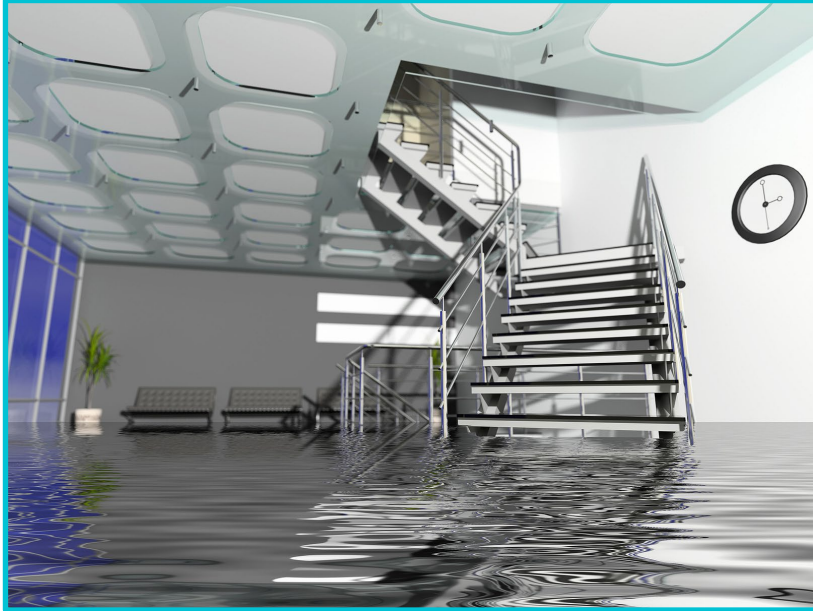
- Electrical Surge
 - Thunderstorms cause lightning
 - Lightning can short circuit machines and cause them to fail
- Uninterrupted Power Supplies (UPS) can help with electrical surges



Lightning strikes can cause severe damage against systems if not properly protected



Environmental Factors



Flooding inside of a building can damage any systems that are submerged in the water

- Flooding
 - Can damage systems if flooded
 - Can cut off power to a building

