



Your path to safe buildings

Building inspection services



Solutions

Safety. Science. Transformation.™



UL Solutions helps deliver confidence in life safety and business continuity

It is important for buildings to be safe and to operate efficiently. That is no easy task. It takes a thorough understanding of complex issues, including regional code requirements, hidden maintenance needs and emergency response tactics.

UL Solutions has the expertise to assist you in optimizing the compliance of your building's life safety systems to international code requirements. Our menu of services covers the life cycle of the building, including building inspection, precommissioning, training, and annual life safety reviews; as well as a review and assessment of building security needs.

UL Solutions understands complex construction requirements across the globe, and we customize services to meet customer needs.

UL Solutions' Building Inspection Services for a wide range of occupancies



A passenger terminal



An architectural landmark



A technological marvel



A commercial hub



A shopping destination



An industrial undertaking



A service industry



A potential fire hazard terminus

Key challenges

Complex buildings

Mid- and high-rise occupancies are one of the most challenging tactical responses for a fire department. They are susceptible to massive fires, catastrophic power failures, and toxic chemical releases. Life, safety, and security system weaknesses have resulted in dramatic loss of life and property. As a result, occupants, owners, and designers are left feeling vulnerable.

Complex system designs

While each system is individually complex, it must also perform as one with other intricate systems. Precise installation and extensive maintenance is required. It is critical to ensure that all the systems perform together for the protection of the building and its occupants.

Maintenance and staff training

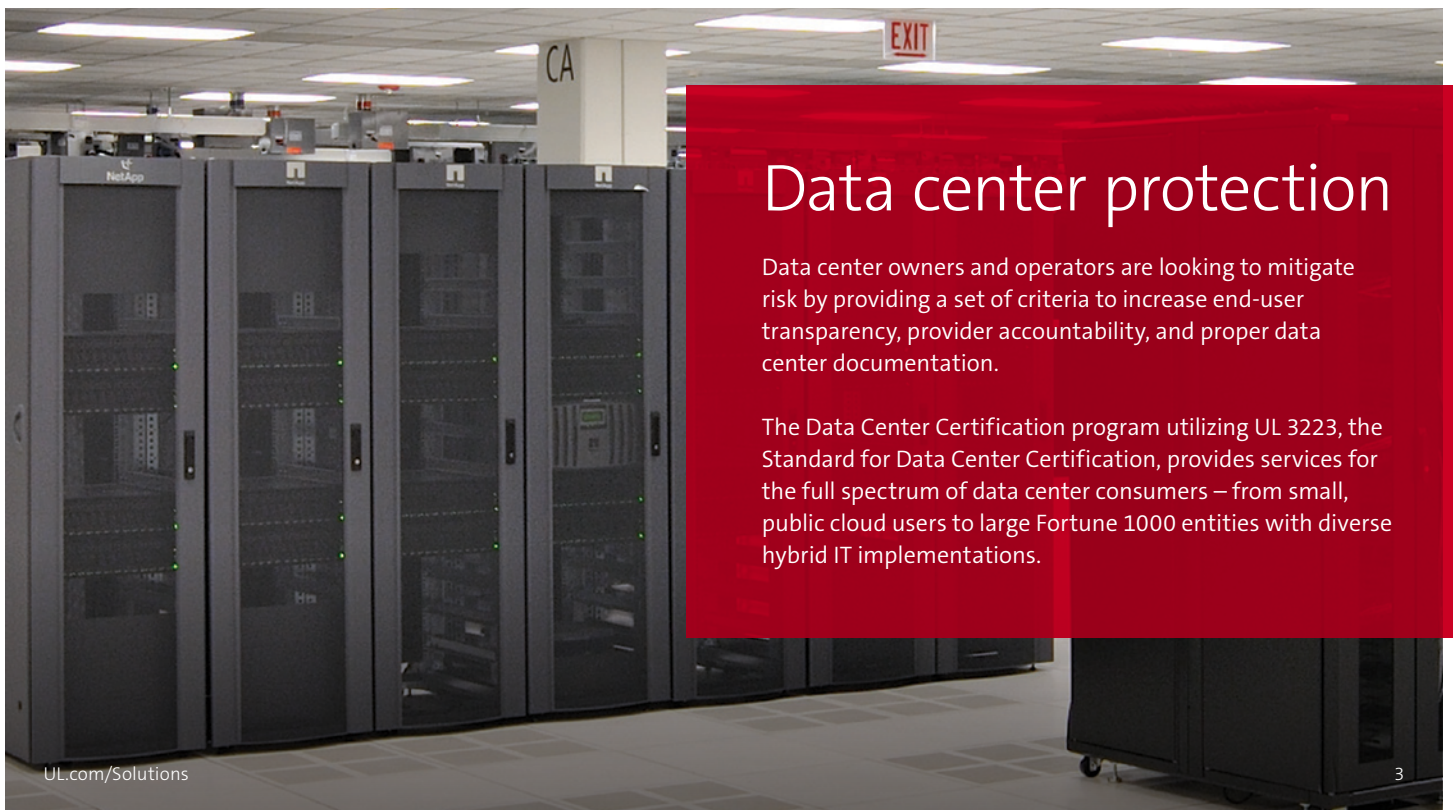
Ongoing maintenance and training is necessary to ensure systems operate as designed. Building owners and managers must ensure that proper maintenance is being performed, and that staff understand how to utilize the built-in system protection features in case of emergency.

Key benefits

UL Solutions witnesses the operation of various building systems to build confidence that fire, life safety, and security systems will operate as designed in the event of an emergency. We utilize a detailed, rigorous inspection process that results in an objective reporting of compliance gaps which can be used to make informed decisions about improvements needed to achieve code compliance. By using our services, customers will demonstrate commitment to safety to occupants, insurers, and local authorities.

While some building owners conduct self-assessments of their buildings, a UL Solutions building inspection delivers added benefits:

- Provides peace of mind that fire and life safety systems have been objectively inspected
- Demonstrates a commitment to safety to occupants, insurers and local authorities
- Delivers information to make informed decisions about improvements needed to achieve code compliance
- Provides a complete, thorough inspection report that can reduce the time spent by authorities conducting periodic building inspections
- Works with system maintenance staff to evaluate accurate direction of system service needs



Data center protection

Data center owners and operators are looking to mitigate risk by providing a set of criteria to increase end-user transparency, provider accountability, and proper data center documentation.

The Data Center Certification program utilizing UL 3223, the Standard for Data Center Certification, provides services for the full spectrum of data center consumers – from small, public cloud users to large Fortune 1000 entities with diverse hybrid IT implementations.



Services

UL Solutions' Building Inspection Services include commissioning of new construction design and equipment and inspecting of existing programs.

Fire safety

- Occupancy classification
- Types of construction
- Maximum building height and area
- Emergency access routes and open spaces
- Fire zones/compartimentation
- Openings in fire-rated walls and floors
- Smoke control modeling and venting
- Interior finish surfaces

Life safety

- Exit stairwells
- Stair pressurization
- Horizontal exits
- Fire towers
- Egress ramps
- Elevators and fire lifts
- Emergency and escape lighting
- Illumination of means of egress
- Fire detection and early warning equipment
- Emergency procedure planning and modeling

Fire protection systems

- Portable fire extinguishers
- Sprinkler system
- Fire pump
- Standpipe and hose system
- On-site fire hydrants/water tanks
- Emergency command center

Security systems

- Burglar alarm systems
- Access control equipment
- Closed circuit TV
- Motion detectors
- Video surveillance systems
- Consultation

Trusted around the world, UL Solutions' Building Inspection Services leverage more than a century of experience in testing, certifying, and inspecting fire and life safety security products, as well as in-depth knowledge of local, national and international codes and regulations. Our goal is to perform customized inspections to help ensure that your building's systems perform their critical functions to protect lives and enable business continuity.

We serve the following locations around the world.



For more information, visit [UL.com/BuildingInspections](https://www.ul.com/BuildingInspections) or email BuildingInspections@UL.com.



[UL.com/Solutions](https://www.ul.com/Solutions)

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