

## SPIRE SMART BUILDINGS™ PROGRAM

# The industry's first comprehensive smart building assessment and rating program



## Introducing SPIRE™

Created by TIA and UL, SPIRE is the industry's first smart building program that holistically measures connected building technology and performance. The SPIRE program evaluates building intelligence based on an expertly curated, objective framework developed by TIA, UL Solutions and over 60 industry-leading organizations. After a complete evaluation, a rating is provided to help promote your commitment to smart building performance.

Buildings have a significant impact on our environment and economy. They constitute 36% of global energy consumption and are responsible for 39% of energy-related CO2 emissions. The smart building market is expected to reach over \$109 billion (USD) globally by 2026. SPIRE assessments help you understand how your building is performing and communicate your commitment to the health of your occupants.

## Introducing SPIRE™

- Decarbonization of energy and mobility
- Business and building alignment
- Occupant experiences and productivity
- Aging building stock
- Cybersecurity
- Artificial intelligence (AI) such as machine learning (ML), natural language processing (NLP), image perception and robotics
- 5G
- Autonomous systems

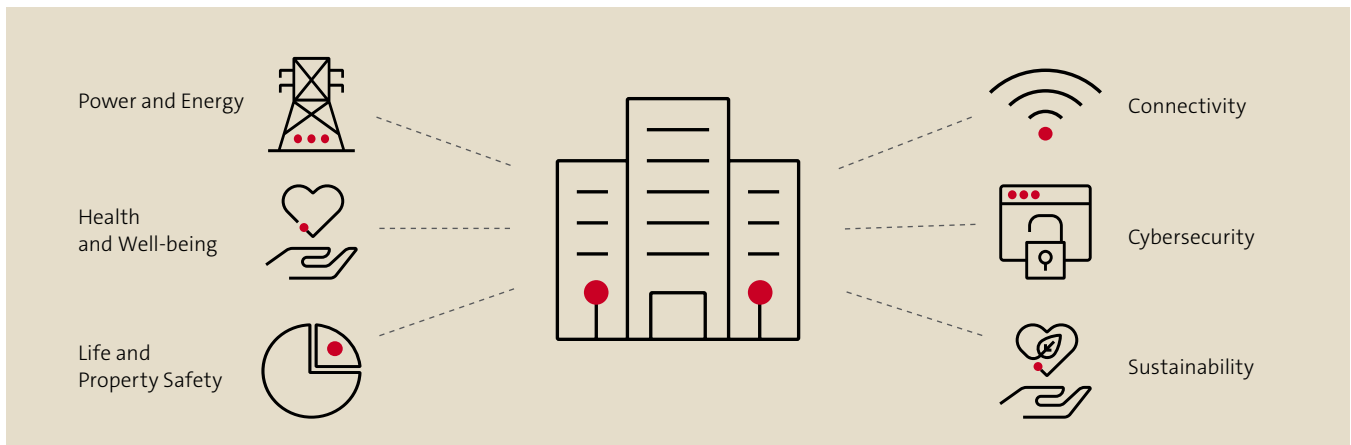
## Who can benefit from SPIRE?

- Architects
- Asset owners
- Building operators and managers
- Equipment and systems manufacturers
- Government agencies
- Insurance companies
- Portfolio owners/REITs
- Property/portfolio solutions consultants
- Utility companies



## Assess your smart building's performance holistically

We use six key building elements that define the full scope of smart building performance. By assessing, validating and rating within this industry-first holistic framework, you can optimize asset performance, ROI and tenant relations — all at once.



### Power and Energy

Energy demand charges and purchases remain one of the largest components of a building's operating budget.

### Health and Well-being

With digital health and well-being tools emerging as the COVID-19 pandemic highlights the need for healthier buildings, smart buildings become a more necessary part of our world.

### Life and Property Safety

Optimizing the safety of building occupants is the top priority for owners and operators.

## Services

### SPIRE Self-Assessment

Conduct your own assessment using complimentary online tools to receive an initial snapshot of building performance and report with areas of improvement.

### SPIRE Smart Buildings Verified Assessment

UL Solutions team members perform an on-site or virtual assessment against holistic performance criteria and provide a detailed report with recommendation roadmap of performance improvements. After assessments are complete, UL Solutions can assign a Verified Mark containing an intuitive star building rating between one and five stars.

### Connectivity

Often dubbed the fourth utility, connectivity has become an essential utility of a smart building.

### Cybersecurity

Cyberattacks and back-door mechanisms threaten to disrupt critical smart building infrastructure.

### Sustainability

A smart building is a sustainable building. We assess performance based on industry standards, environmental regulations, and best practices.

### SPIRE Qualification Program

After receiving in-depth training and earning UL Solutions qualification, smart-building professionals from relevant fields (architecture, design, engineering, systems integration, etc.) can become SPIRE qualified assessors and conduct SPIRE assessments on behalf of UL Solutions.

### Benchmarking

Offers anonymized comparisons and gives users a point of reference for review and analysis.

Start your building self-assessment today at [spiresmartbuildings.UL.com](https://spiresmartbuildings.ul.com) or contact us at [UL.SpireSmartBuildings@ul.com](mailto:UL.SpireSmartBuildings@ul.com)



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