

# Industrial Systems

## Regulatory Assessment Services

The **WORLD TRADE ORGANIZATION** REPORTS THAT the number of **technical regulations and standards** adopted by countries has grown

**68%**



UL understands the challenges associated with managing international requirements while working to boost product and system development in a competitive environment.

### Complexities of entering global markets

Manufacturers must adhere to numerous regulations and standards for their products. The complexity of requirements for individual countries poses an ongoing challenge. These requirements undergo occasional updates and alterations, further complicating the matter.

Differing regulations, standards, testing and certification procedures can present barriers between countries. Products and systems for export from one country must meet the destination country's technical regulations and standards. To comply with local laws, manufacturers often have to make changes in product design, which results in rising costs and may discourage entry into new markets.

### How UL's regulatory assessment services can help

UL's regulatory assessment services for industrial systems provide a complete analysis using a multi-dimensional regulatory map. We provide customers with information about technical regulations to help ensure product or system compliance and speed up time to market.

We provide a report gathered from disparate regulations, compiled into an understandable format and translated into actionable requirements.

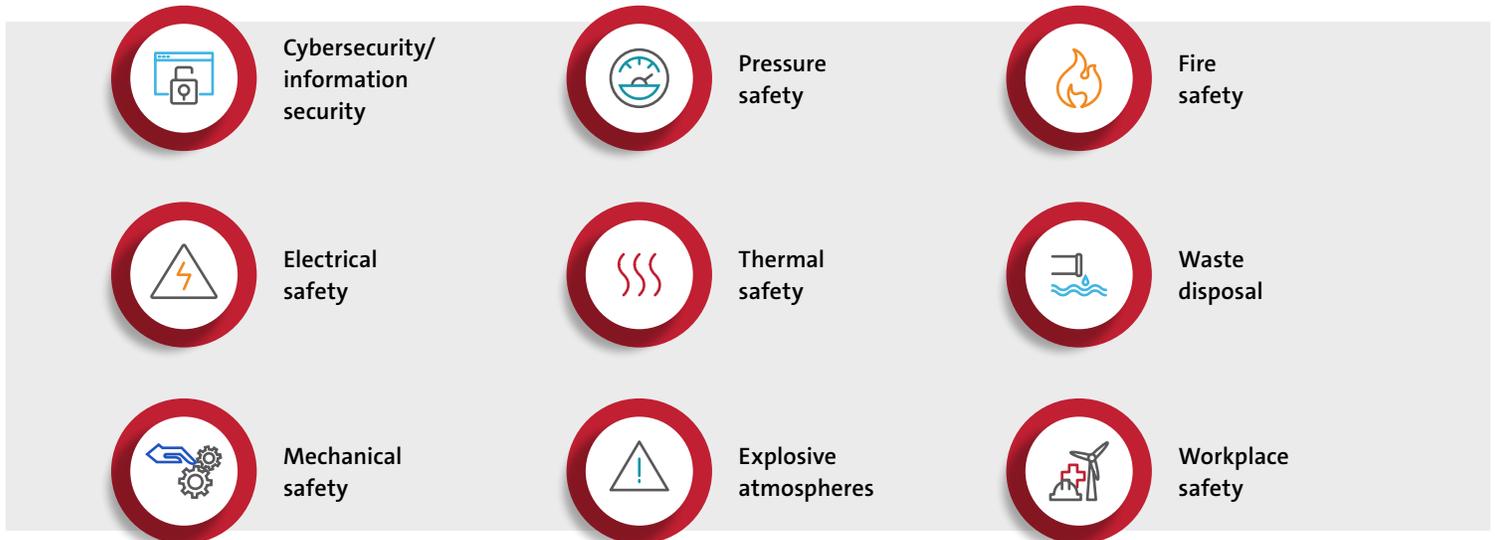
Furthermore, we map the requirements to the relevant parts of the products and systems, giving customers a day one view of compliance and providing input into the project budgeting and scheduling activities.



## What is included?

The deliverable is a comprehensive Technical Regulations and Standards (TRS) report independently reviewed separately from the project team. This report provides a curated compilation of multiple regulations specific to the customer's system and destination markets.

A typical system with several different risks can address more than 35 potential regulatory areas. These may include:



The report may vary in scope and scale, depending on the product and may include specialized criteria per the customer's request. Each customized report may include:

- Mandatory technical standards stated within the regulations
- Recommendations for specific conformity assessment procedures or tests
- Information on exemptions or exclusions
- How to leverage existing conformity procedures and markings
- Need for a test laboratory or certification agency accredited in the destination country
- Specific licenses for the design and/or manufacture of the product and system
- Need for a government agency to examine the quality system in manufacturing facilities
- Information on applying for permits and approvals, and which documents need to be submitted
- Self-declarations
- Need for a technical file
- Need for localization such as changes to hazard warning labels, instruction manuals, user interfaces

## Benefits

- Manages the requirements across the product life cycle
- Provides a big-picture view of the system
- Identifies the technical regulations that impact each of the major subsystems
- Allows for project risk management and requirement traceability and presents the opportunity to plan ahead for certification, government-mandated inspections, and permits or approvals for special equipment
- Helps customers identify responsibilities for asset owners and system integrators
- Helps eliminate unforeseen delays throughout other stages of the product life cycle





*Regulatory assessment services apply to a wide range of industries, including e-mobility, renewable energy, industrial machinery and automation, EV battery plants, manufacturing facilities and more.*

## How does it work?

Early customer engagement plays a crucial role in successfully launching a product or system in a new market. The regulatory assessment service takes the customer's information and a concept sketch of a product or system and applies systems-thinking approaches to solve customers' regulatory pain points, helping them move along their regulatory journey.

Customers may ask if they can leverage the existing compliance requirements for currently deployed designs to access new markets with minimal changes. Legacy products and systems entering new markets undergo a product-system market fit assessment to review the bill of materials, data sheets and certifications for the current market. The assessment may also flag parts of the system that require certification.

UL understands that customers face a lot of pressure to bring quality products to market under time, cost and objective constraints. We hold regular meetings with our customers to report on project progress, address questions and prioritize deliverables.

## Why UL?

UL fulfills the requirements of ISO/IEC 17065: Conformity Assessment – Requirements for Bodies Certifying Products, Processes and Services. We operate under our own authority as an independent, non-governmental organization. Today, trust matters more than ever. Watch our on-demand Trust Talks™ from trusted UL experts and partners to stay ahead of trends, manage risk and demonstrate that your people, buildings, products and innovations are safer, more secure, and worthy of confidence.

Ref: <https://www.ul.com/insights/trust-talks>

Ref: <https://www.ul.com/resources/ul-schemes-and-certification-bodies>

Our mission is working for a safer world by promoting safety, security and sustainable living and working environments for people. Using science, safety engineering and data acumen, we continue to help customers reach new markets.

For more information, contact your sales representative  
Cedric B. D'Souza, [cedric.dsouza@UL.com](mailto:cedric.dsouza@UL.com) product manager, Industrial Ecosystems  
Michael Hamilton [michael.hamilton@UL.com](mailto:michael.hamilton@UL.com) product manager, Industrial Ecosystems



# Empowering Trust®

UL and the UL logo are trademarks of UL LLC © 2022.  
CS142266-0222