

**WORKING
FOR A
SAFER WORLD**

TESTING

INSPECTION

CERTIFICATION

AUDITING

VALIDATION

TRAINING

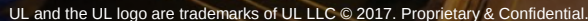


NEW PRODUCTS: RISKIER AND MORE COMPLEX THAN EVER BEFORE

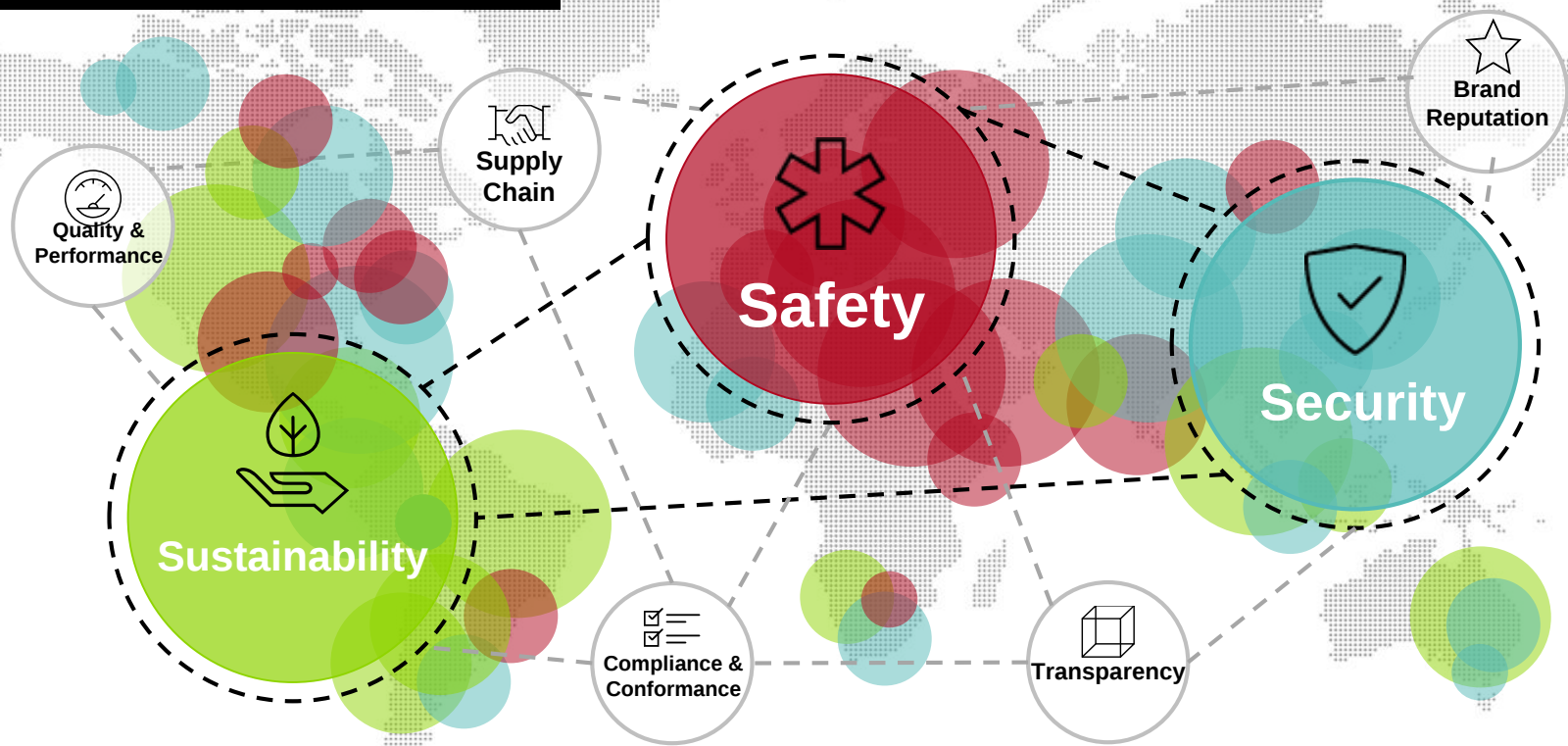
The background image shows a busy port at night with a large ship docked and many colorful shipping containers stacked in the yard. Overlaid on this is a network of circular icons connected by dashed white lines. The icons include: a Wi-Fi signal, a padlock, an atom, a medical cross, a yen symbol, a lightbulb, a hard hat, a computer monitor with a bar chart, a hand holding a leaf, a rising line graph, a euro symbol, a globe, a shopping cart, a checkmark, a stethoscope, a server rack with a gear, a test tube, a pound symbol, a dollar symbol, a radio tower, a brain, a recycling symbol, a factory, and a heart. The UL logo is in the bottom left corner.

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THE CHALLENGE: COMPLEXITY IS RISING



EXAMPLE: A CONNECTED APPLIANCE

Sustainability of
Detergents

Product Quality

Indoor Air Quality

Shock

IoT Security

Casualty

Anti-Counterfeiting

Human Factors
Engineering

Energy Efficiency

Interoperability

Fire

Building Materials

Supply Chain Traceability

Product Validation





THANK YOU





APPENDIX



THE IFIA - CEOC MARKET STUDIES¹



The Idea

Testing self-declared and third party certified products purchased on the open market and comparing their compliance with relevant rules and regulations.



The Methodology

700 products from across Europe and North America were tested by an accredited independent lab.

The Products



HAIR DRYERS
AND CURLERS



ELECTRIC FANS



SMALL POWER TOOLS



TOASTERS AND GRILLS



LUMINAIRES



ROOM HEATERS



BATTERIES



IRONS



BATTERY CHARGERS
AND ADAPTERS

The Results

Third party certified product compliance

< 1% dangerous faults

Non-compliance of 3rd party certified goods can occur when manufacturing procedures are changed without third party involvement. Regular audits help to reduce these occurrences. Non-compliant products are immediately reported to the certifier and manufacturer.

Self-declared product compliance

16% dangerous faults

Product defects that can cause permanent injury, generate fires or severe electric shock.

REAL DATA IMPACTING SAFETY & MARKET FAIRNESS

0.3% of products entering the EU are inspected by market surveillance authorities³

69% of products tested were not in compliance with the R&TTE directive⁴



87%

of tablet PCs sourced from the market in Germany and The Netherlands were not in compliance⁵



Number of house fires caused in the years 2011-2014 in the UK due to faulty home products⁶

12,000

92  /  of drones tested were not in compliance⁷

PROSAFE Joint Actions

78%

of lighting chains not in compliance⁸

64%

of sunbeds with too high radiation⁹

63%

of bicycle helmets not in compliance¹⁰

¹ See ifia-federation.org or ceoc.com

² IFIA CIPC study - www.ifa-federation.org

³ The Parliament Magazine, 17.03.2014

⁴ ADCO R&TTE, June 2015 report of 2014 market survey

⁵ Data from Bundesnetzagentur, Germany, and Radiocommunications Agency, the Netherlands joint action

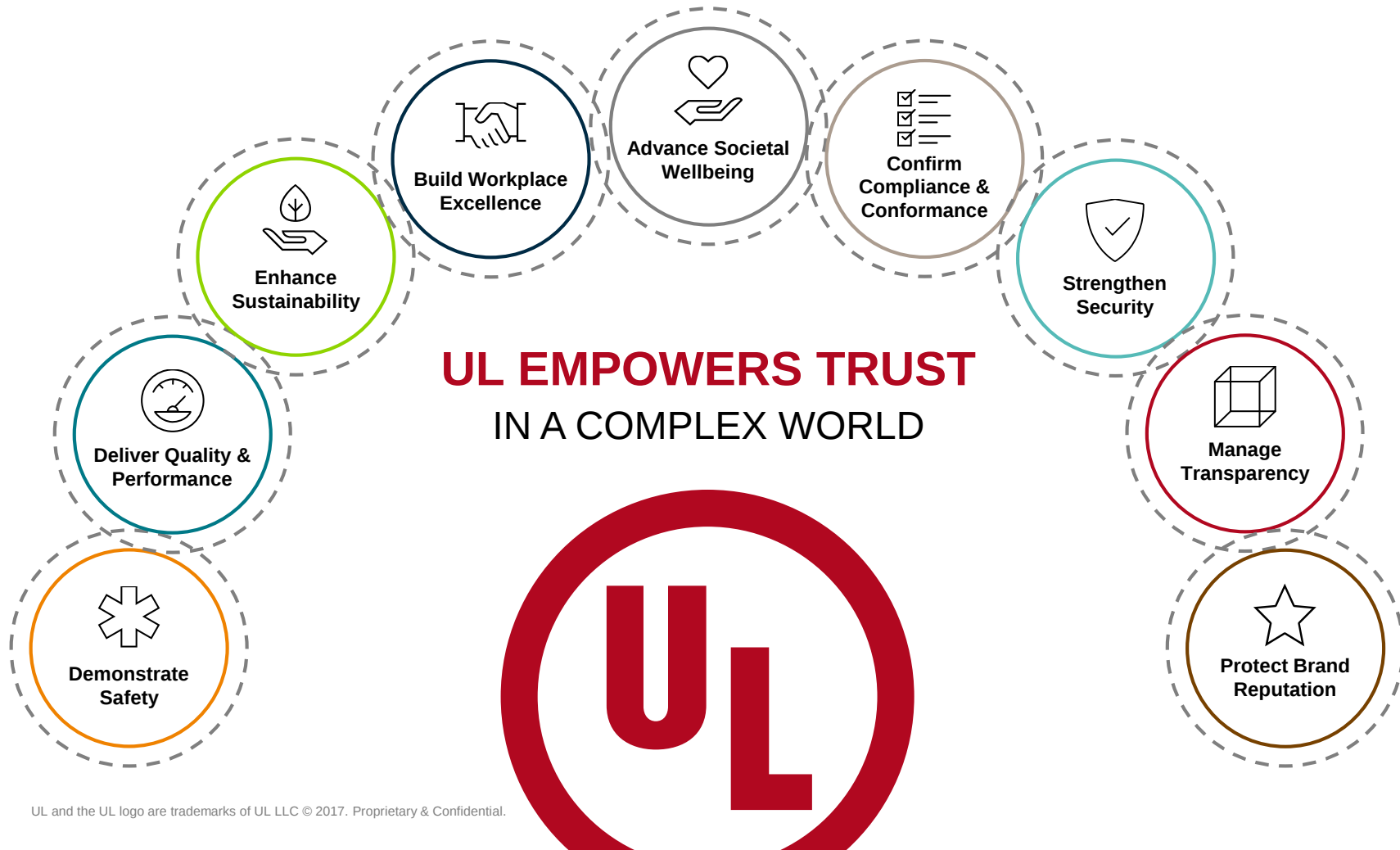
⁶ Which?, Electrical Safety First, The Sunday Times, 14.08.15

⁷ Report on the 7th joint cross-border R&TTE market surveillance campaign (17.10.2015)

⁸ Lighting Chains Cross Border Action http://ec.europa.eu/danmark/documents/alle_emner/okonomisk/091203_jights_report_en.pdf

⁹ PROSAFE JA 2011 http://www.prosafe.org/images/Documents/JA2009/SunBeds2_Final_report_20130304-published.pdf

¹⁰ PROSAFE JA 2009 http://www.prosafe.org/images/Documents/JA2009/Helmets_Final_Report-version20130304-published.pdf



**UL WORKS WITH STAKEHOLDERS
GLOBALLY TO EMPOWER TRUST AND
HELP NAVIGATE MARKET COMPLEXITY**

**IN THE RESPONSIBLE DESIGN,
PRODUCTION, MARKETING
AND PURCHASE**

**OF THE GOODS, SOLUTIONS AND
INNOVATIONS OF TODAY AND TOMORROW**



UL EMPOWERS TRUST THROUGH:



UL OPERATES IN
MORE THAN

143
COUNTRIES



AND ACROSS
MORE THAN

20
INDUSTRIES

UL HAS ENHANCED TRANSACTION SECURITY FOR:



500+ banks
20+ payment
schemes

60+ mobile network operators
50+ governments/
transport operators



UL has helped to set
MORE THAN
1,600

standards defining safety,
security, quality and sustainability



**SCIENCE & GLOBAL
EXPERTISE**

UL SOFTWARE IS USED BY

10,000+   



**ORGANIZATIONS IN
OVER 10 INDUSTRIES**



UL'S SUSTAINABILITY CERTIFICATIONS are referenced in

900+

SUSTAINABLE PRODUCT
SPECIFICATIONS OR PURCHASING
GUIDELINES AROUND THE GLOBE

UL SERVES

1 OUT OF **3**

FORTUNE 500 COMPANIES



WORKING FOR A
SAFER WORLD
since **1894**



92%

OF U.S. BUILT ENVIRONMENT
AUTHORITIES PREFER UL



UL HAS SUPPORTED A
CENTURY OF INNOVATION
FROM ELECTRICITY TO NANOTECHNOLOGY

UL REACHES MORE THAN

1 BILLION



GLOBAL CONSUMERS

ANNUALLY WITH SAFETY MESSAGES



BRAND PRESENCE

UL MARKS APPEAR on more than

22 BILLION

PRODUCTS GLOBALLY

3 OUT
OF **4**



U.S. CONSUMERS are FAMILIAR
WITH THE UL MARK



UL WORKS TO PROTECT THE MARKET FROM COUNTERFEIT GOODS

IN 2015 ALONE UL PARTICIPATED IN 506 SEIZURES, ELIMINATING MILLIONS OF DOLLARS OF COUNTERFEIT
PRODUCTS FROM THE MARKET

EXTERNAL SOURCE INDEX

"94% of executives believe managing complexity is important to the success of their company." KPMG, **"Confronting Complexity: Research Findings and Insights,"** May 2011

"54% of companies report no supply chain visibility." The Sustainability Consortium, **"2016 Impact Report,"** April 2016

"Only 3% of consumers find advertised brand claims believable." About.com, **"The Trust Factor,"** July 2012

"Counterfeiting is an issue across all market segments..."
1: American Health and Drug Benefits, **"The Health and Economic Effects of Counterfeit Drugs,"** June 2014.
2: International Journal of Academic Research in Business and Social Sciences, **"Counterfeit Products within China..."** September 2012

"58% of consumers believe manufacturers value sales over product safety." UL, **"The Product Mindset,"** 2013

"88% of consumers would stop buying..." Cone Communications, **"2013 Social Impact Study,"** 2013

"Over \$1 Trillion (USD/Year) is spent on product safety-related injury..." Global Recalls Database, (globalrecalls.oecd.org), May 2017

"153 work-related accidents happen every 15 seconds, globally." International Labour Association, ILA website (ILO home>Topics> **Safety and health at work**), May 2017

"The average cost of a data breach..." IBM/Poneman, **"2016 Cost of Data Breach Study,"** June 2016

"More than 3.6 billion data records..." Gemalto, **"2015 Breach Level Index,"** February 2016

"52% of people globally say they check a brand's social and environmental commitment..." Nielsen, **"The Nielsen Global Survey on Corporate Social Responsibility,"** October 2014

"There are over 400 sustainability reporting instruments..." Nielsen, **"The Nielsen Global Survey on Corporate Social Responsibility,"** October 2014

