



NEII

NATIONAL ELEVATOR INDUSTRY, INC.

NEII ILLUSTRATES THE RULE OF THREE FOR ELEVATOR SAFETY

In the building transportation environment, codes and standards provide the necessary foundation for safety and innovation enabling modern cities to reach new heights.

CENTREVILLE, VA (May 13, 2019) – To celebrate Building Safety Month, the [National Elevator Industry Inc.](#) (NEII) published an infographic highlighting three key pillars of elevator and escalator safety. Mirroring the qualities of the strongest shape in nature, the triangle, NEII illustrates the impact and importance of code development, innovation and reliability for elevators and escalators. These three pillars work in tandem to create safe, efficient and resilient buildings and urban spaces.

Each May, the International Code Council (ICC) hosts the annual Building Safety Month campaign to reinforce the necessity of adopting modern building codes and to educate individuals, families and businesses on the process for creating safe and sustainable structures. [Learn more](#) about this year's campaign.

NEII is the premier association for the elevator and escalator industry, providing advocacy, codes and safety expertise, and industry research.

About NEII

NEII is the premier trade association representing the global leaders in the building transportation industry. Its members install, maintain, and/or manufacture elevators, escalators, moving walks, and other building transportation products. NEII's membership includes the six major international companies - Fujitec America, Inc., KONE, Inc., Mitsubishi Electric US, Inc., Otis Elevator Company, Schindler Elevator Corporation, thyssenkrupp Elevator Company and several other companies across the country. Collectively, the NEII members represent approximately eighty percent of the total hours worked within the elevator and escalator industry, employ more than 25,000 people in the U.S. and indirectly support hundreds of thousands of American jobs in affiliate industries.

For more information about NEII, please visit www.neii.org.

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Building Safety: The Rule of Three

Science fanatics and engineers alike can attest to the power of nature's strongest shape, the triangle. In building construction, triangles are utilized as a supportive shape – in many cases, making the difference between a soaring tower and a flattened pile of metal.

For the building industry, codes and standards provide this same support – maintaining the strength and safety of modern environments.

For NEII, there are three pillars on which safety rests:

CODE DEVELOPMENT

Every elevator and escalator is held to the same standard of safety, and codes drive this standardization. During code development, insights are gathered from hundreds of industry stakeholders, ultimately ensuring that the people using elevators and escalators every day are safe.

IN 1921

the first elevator safety code was published¹

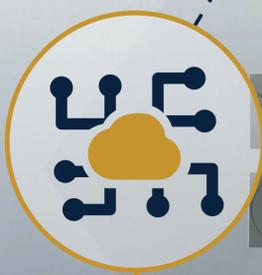


300

elevator stakeholders representing all aspects of the elevator industry are integral in reviewing code changes and updating requirements

3 YEARS

The ASME A17.1/CSA B44 Safety Code for Elevators and Escalators is updated every 3 years²



INNOVATION

The latest building technologies are powered by the insights from data, Artificial Intelligence, and the Internet of Things. Building codes are capable of safely unleashing the power of these innovations and enabling the buildings of tomorrow to reach greater heights.

IN 2019

NEII introduced the first Elevator and Escalator Industry Cybersecurity Best Practices³

50%-80%

energy savings with MRL elevators as compared to conventional hydraulic and geared traction machines⁴

THE 1ST

building with Occupant Evacuation Operation via Elevators, a protocol that optimizes evacuation via elevators in an emergency, opened in San Francisco in 2018



RELIABILITY

Once the latest equipment has been installed, a building's reliability rests upon building owners, facility managers and service providers. By working together to adhere to the latest codes, this team can ensure occupants move through buildings seamlessly and safely.

~30,000

field employees service and enable the safety of equipment across the U.S.⁵

ANNUALLY

The frequency which most jurisdictions require witnessed inspections.²

125+

components of elevators and escalators are evaluated by QEI-certified technicians during inspection

Discover this year's Building Safety Month initiative and how the building industry is rallying together to making buildings safer, more resilient, and more equitable, at the International Code Council (ICC) website.

Learn more about how NEII contributes to safe vertical transportation at www.neii.org

Sources:

¹Heavy Lifting: The History of the Elevator Code, ASME, ASME.org, 2011

²ASME A.17.1/CSA B44 Safety Code for Elevators and Escalators, 2016

³Elevator and Escalator Industry Cybersecurity Best Practices, NEII, 2019

⁴NEII Inventory Research Project, Andrew Chang & Company, LLC, 2019

⁵IUEC, IUEC.org, 2019

All information not cited comes from NEII internal data.

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