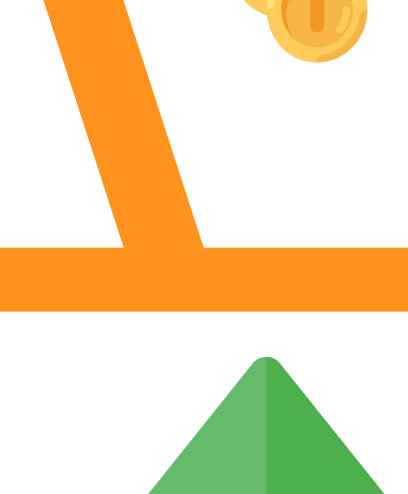


# LEARNING FROM THE PAST: BUILDING A SAFER ENVIRONMENT FOR THE FUTURE OF CONSTRUCTION

## THE CONSTRUCTION INDUSTRY IS BIG BUSINESS

Big business requires big expenditures in Health and Safety. The construction sector is one of the top sectors in terms of spending per worker per year on preventing work-related injury and illness.

Construction is **14.7%** of global GDP—up from 12.4% in 2014



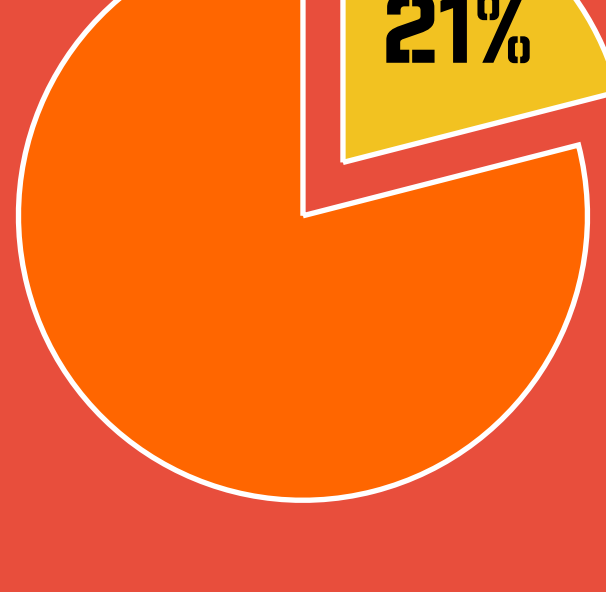
Construction industry spending worldwide in 2018 was **\$11.4 trillion US<sup>1</sup>**

More than **180 million** people work in construction around the world<sup>2</sup>



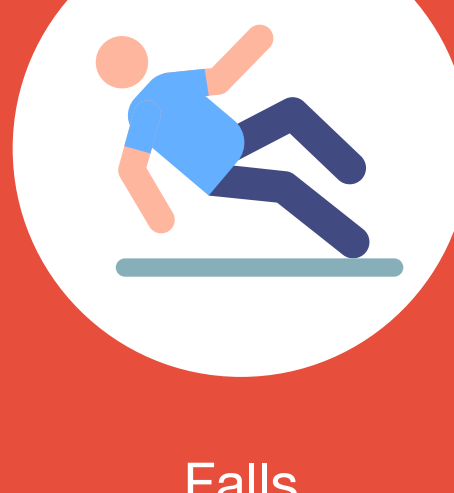
Projected growth in the volume of construction output is 85% to **\$15.5 trillion US** by 2030<sup>3</sup>

## KEEP WORKERS SAFE; HERE'S WHY



Construction accounts for only **4%** of workers but **21%** of workplace-related deaths in the U.S.<sup>4</sup>

## THE TOP CAUSES OF DEATHS ON CONSTRUCTION SITES<sup>5</sup>



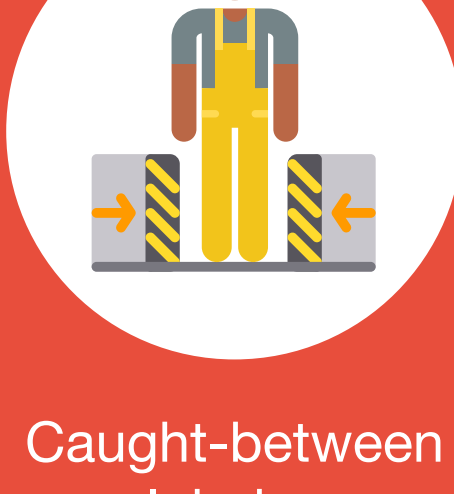
Falls



Electrocution



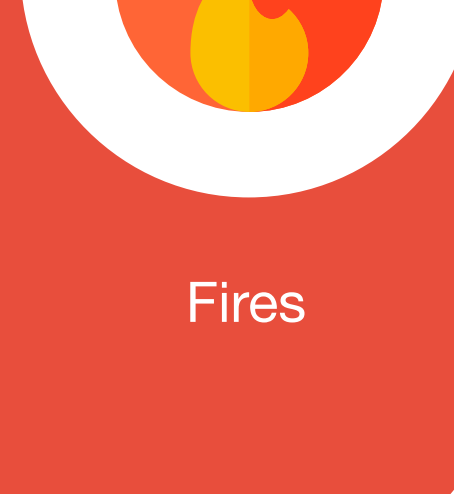
Crush Injuries



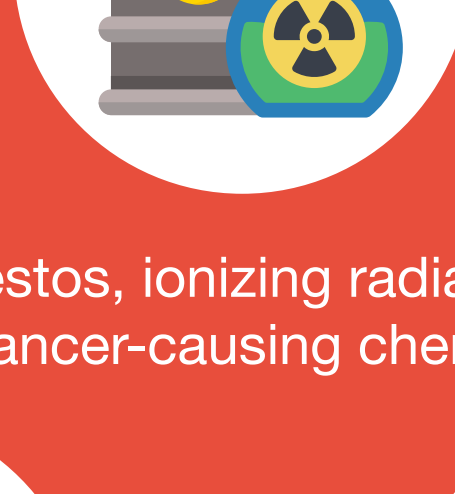
Caught-between Injuries



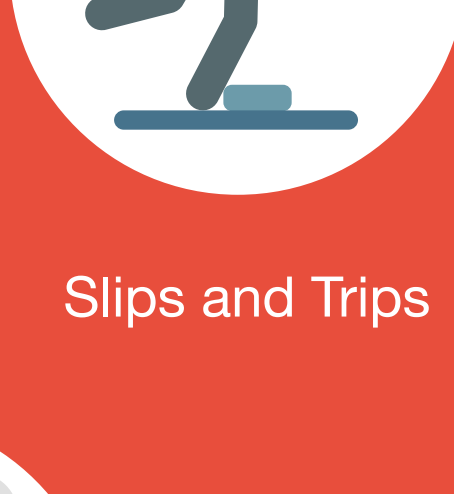
Crane Collapse



Fires



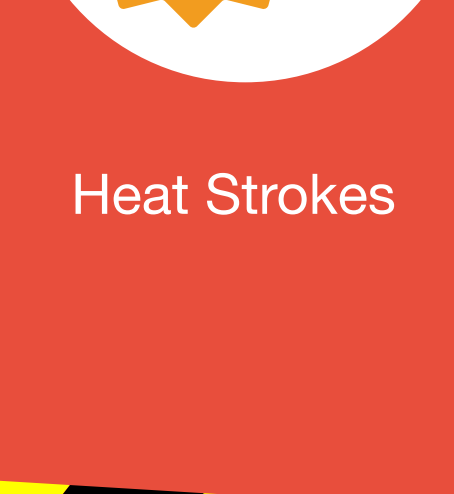
Asbestos, ionizing radiation, and cancer-causing chemicals



Slips and Trips



Exhaustion



Heat Strokes

## THE 10 DEADLIEST CONSTRUCTION PROJECTS

(Death rates per 1000)

- 1 Panama Canal:** 1880-1914  
Deaths: **12,000** Death Rate: **408.12**
- 2 Burma Siam Railway:** 1942-1943  
Deaths: **90,000** Death Rate: **385.45**
- 3 Hawks Nest Tunnel:** 1927  
Deaths: **700-1,000** Death Rate: **152.8**
- 4 White Sea-Baltic Sea Tunnel:** 1931-1933  
Deaths: **12,000** Death Rate: **95.24**
- 5 Transcontinental Railroad:** 1863-1869  
Deaths: **1,200** Death Rate: **80**
- 6 Suez Canal** 1859-1869  
Deaths: **120,000** Death Rate: **80**
- 7 Karakoram Highway:** 1959-1979  
Deaths: **1,100** Death Rate: **54.17**
- 8 Brooklyn Bridge:** 1869-1883  
Deaths: **20** Death Rate: **50**
- 9 Erie Canal:** 1817-1825  
Deaths: **1000+** Death Rate: **20**
- 10 World Trade Center:** 1968-1970  
Number of Deaths: **60** Death Rate: **17.4**

## TECHNOLOGY CAN HELP SAVE LIVES IN CONSTRUCTION

Drones increasingly are being used in construction to help visualize and map projects for more **accuracy and precision.**



**32%** of the construction businesses that use software report that it **saves them around 5 hours a week** compared to the use of spreadsheets.



**21.7%** of construction firms use 3 or more mobile apps for their projects.<sup>8</sup>



**77%** of contractors and **65%** of owners report using mobile technology for some aspect of their business.<sup>9</sup>



By 2035, it's projected that the construction industry can see a **profit increase of 71%** by making use of AI.



Within 10 years, full-scale digitization could lead to savings between **13- 21%** in the Design & Engineering and Construction phases and **10-17%** in the Operations phase of construction.<sup>10</sup>

## INTELEX - HOW DO WE FIT IN?

Construction contractors looking for a fully integrated safety, risk and claims management platform that integrates all their dispersed and siloed data into a single database turn to Intelex for solutions like:



EHS Incident Reporting & Management



Claims Management



Safety Hazard Observations Software



Training Management



Safety Meeting Management

These solutions allow contractors to spend less time on paperwork and more time on incident prevention. By tracking and analyzing incidents via the Intelex platform, one construction company was able to identify areas for improvement and **reduce health and safety incidents by 25%**.