



ENERGY-BASED HAZARD RECOGNITION

Eliminating serious & life-ending incidents means viewing safety differently.

The Energy Wheel was created to help visualize and identify hazards and is based on the work of Dr. Matt Hallowell and others. The Energy Wheel focuses on energies that can seriously injure or kill people (STKY).

Studies show that when using an energy-based approach, hazard recognition improves from 45% to over 70%





Motion

Stuff That Moves

A change in position of objects or substances.



Gravity

Stuff That Falls

Force caused by the attraction of all objects to the Earth.



Mechanical

Stuff That Twists, Turns, or Pounds

Rotation, vibration, or motion within a moveable part of a fixed or stationary piece of equipment.



Electrical

Stuff That Shocks

The presence of electrical energy (current).



Pressure

Stuff That's Stressed

The force that a gas, liquid, or solid exerts on another object.



Temperature

Stuff That's Hot or Cold

Differences in thermal energy of objects or the environment with the human body.



Chemical

Stuff That's Toxic

Substances that inherently or through reaction have the potential to create a physical or health hazard.



Biological

Stuff That's Living

Living organisms and the natural environment that can present a hazard.



Radiation

Stuff That's Radioactive

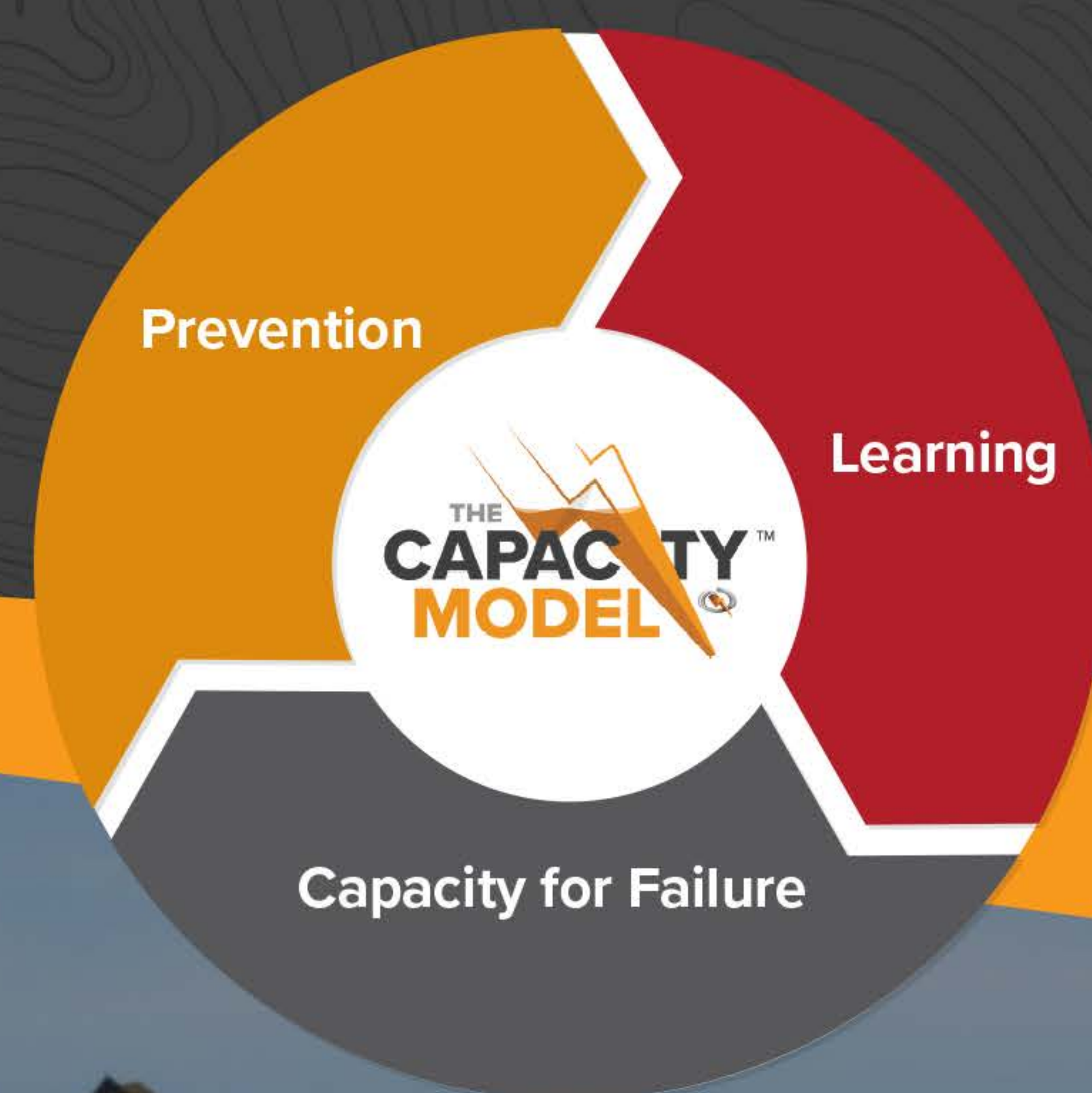
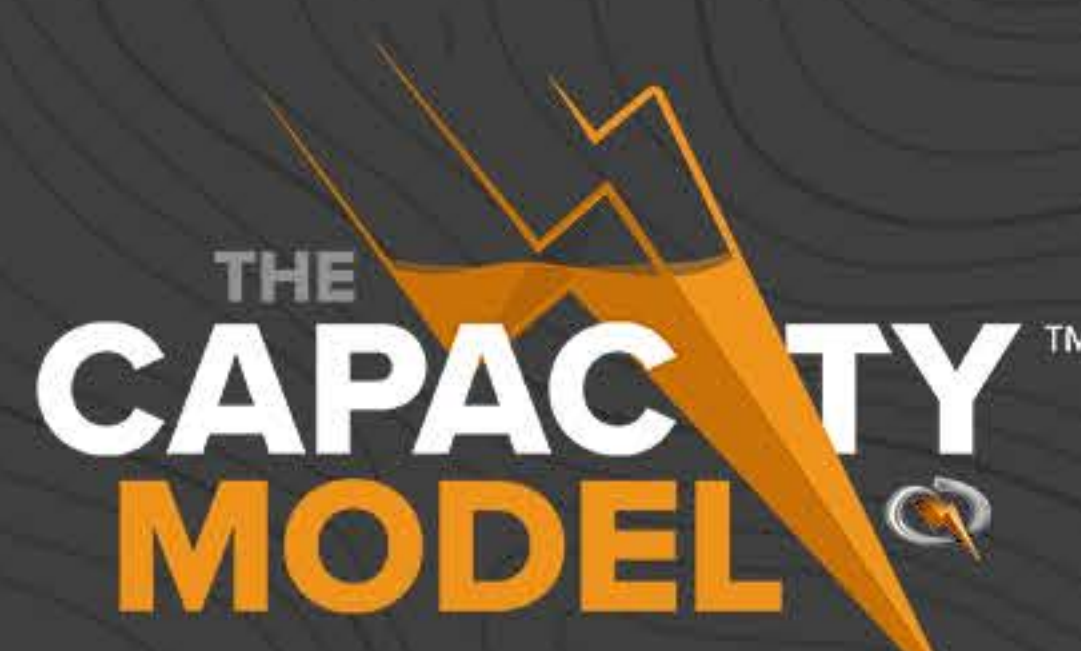
Elements that emit ions or atomic particles.



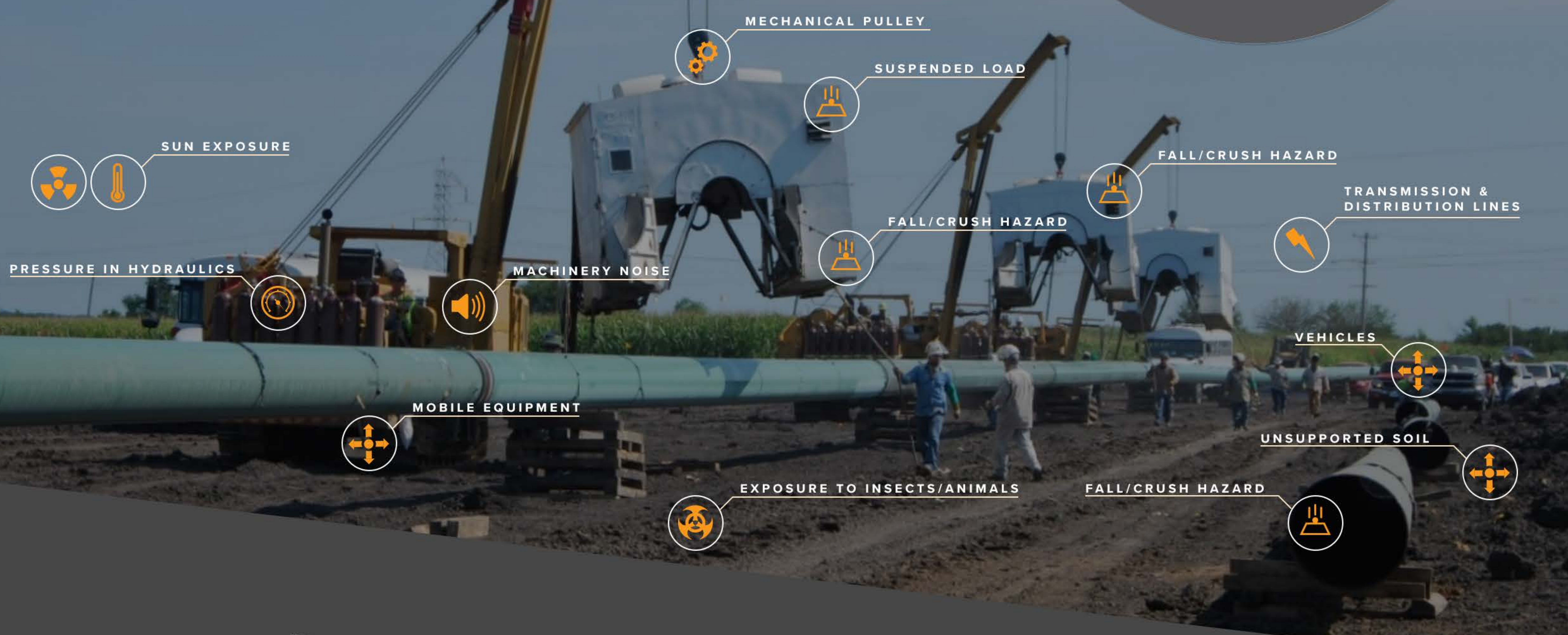
Sound

Stuff That's Loud

Hazardous sound levels for hearing and operations.



FIND THE HAZARDS



THE
**CAPACITY
MODEL**

QUESTIONS
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PREVENTION. CAPACITY FOR FAILURE. LEARNING.