

# Automation and Industry:

## Mine Automation and Emerging Technologies Health and Safety Partnership



Getty Images

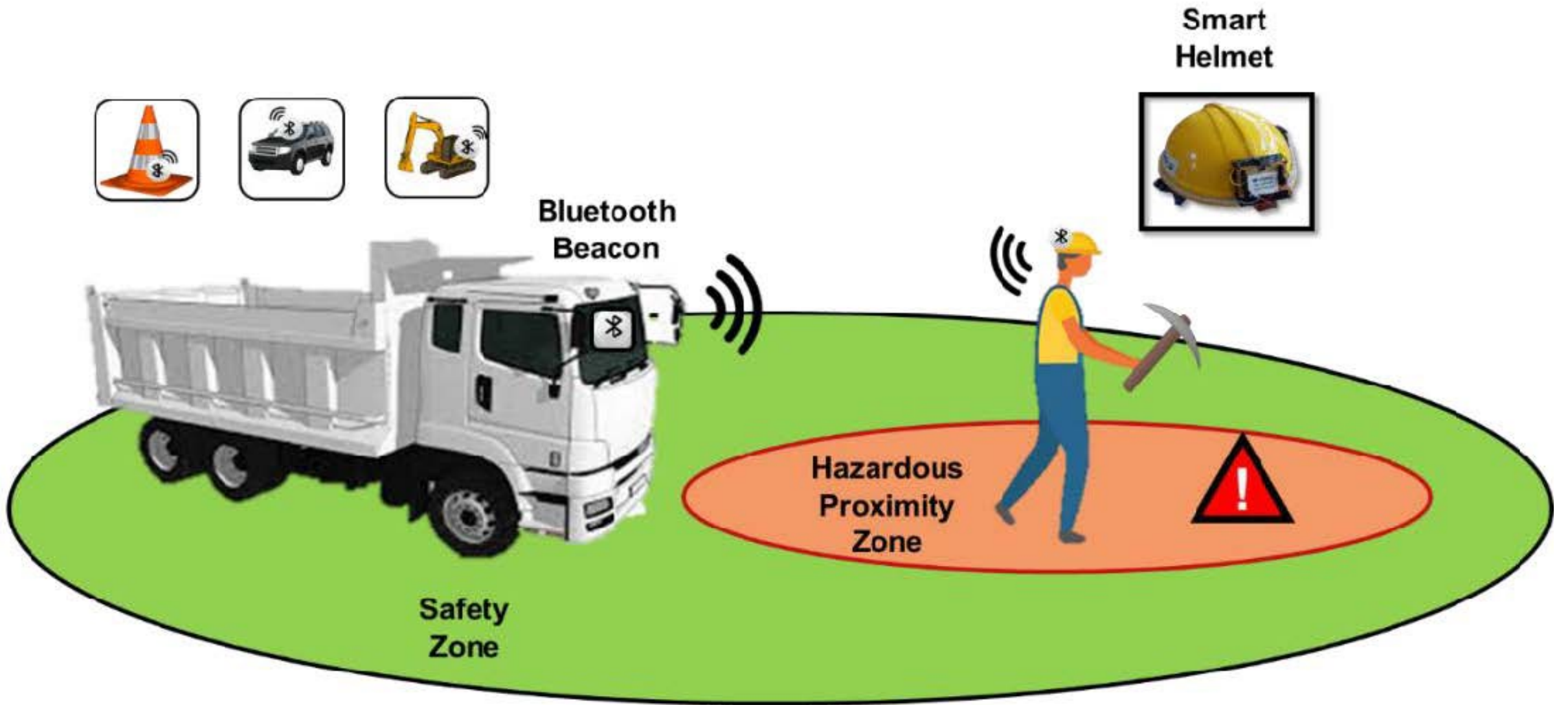
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*Adapted from Getty Images*

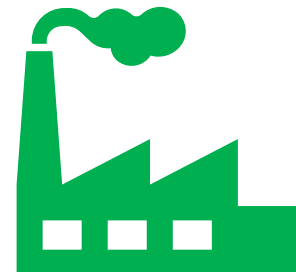
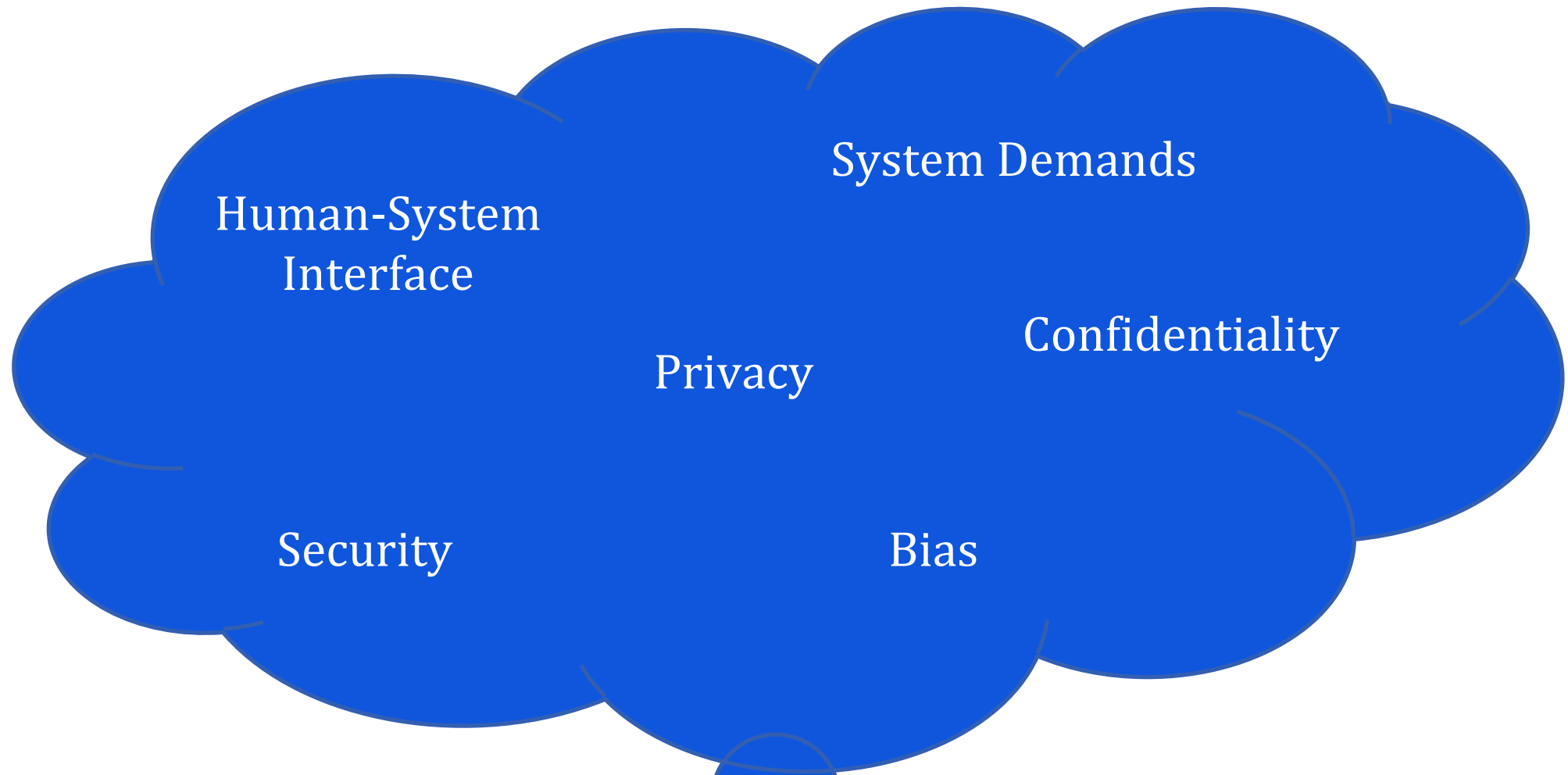








Adapted from Getty Images



# Potential Hazards associated with Automation

- Impact on the human
  - Work Intensification
  - Expectations of Situational Awareness
  - Equity
- Concern over loss of job
  - Change in types of tasks
  - Potential mismatch in jobs and skills, potential to exacerbate inequity
- Monitoring of workforce
  - Loss (or perceived loss) of human autonomy



*Adapted from Getty Images*



# What's next!



*Adapted from Getty Images*

- Tools for OSH practitioners
- Improve understanding of unintended worker consequences
- Human interface and implications of trust in systems
- Address worker discrimination, to include issues of health equity
- Augment human-decision making



**Today's workers  
still face many  
hazards from work:  
some traditional,  
some new, some  
yet unknown.**





For more information, contact CDC  
1-800-CDC-INFO (232-4636)  
TTY: 1-888-232-6348 [www.cdc.gov](http://www.cdc.gov)

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

