

# TECHNOLOGY-DRIVEN HEAVY EQUIPMENT SAFETY TIPS

Implementing new heavy equipment technologies requires a strong focus on safety. Follow these **10 safety tips** to help reduce and prevent injuries and accidents related to technology-driven equipment.

1

## COMPREHENSIVE TRAINING AND CERTIFICATION

Train and certify operators on equipment functions and safety protocols before they operate machinery.

2

## CONDUCT PRE-OPERATIONAL WALKAROUND INSPECTIONS

Always conduct a pre-operation inspection to identify safety risks, check for wear and leaks, and ensure all safety features work properly.

3

## UNDERSTAND AND UTILIZE SAFETY FEATURES

Learn to use modern heavy equipment safety features such as automatic shut-off, collision detection and operator presence controls.

4

## MAINTAIN CLEAR COMMUNICATION

Use hand signals or radios to communicate to help prevent accidents and ensure awareness of equipment movements.

5

## FOLLOW MANUFACTURER'S GUIDELINES

Always follow manufacturer's guidelines for safe and efficient operation and maintenance of equipment.

6

## WEAR APPROPRIATE PPE

Wear appropriate Personal Protective Equipment (PPE), including hard hats, safety glasses, gloves and high-visibility clothing.

7

## STAY AWARE OF SURROUNDINGS

Be aware of surroundings, including workers and obstacles. Use mirrors, cameras and sensors to improve visibility and prevent blind spots.

8

## IMPLEMENT A SAFETY MANAGEMENT SYSTEM

Establish a safety management system to monitor jobsite safety and encourage workers to report safety concerns or near-misses.

9

## LIMIT FATIGUE AND STRESS

Encourage operators to take regular breaks, work reasonable hours and manage stress effectively.

10

## EMERGENCY PREPAREDNESS

Have a clear emergency response plan and ensure all workers know evacuation and medical procedures.

Boost safety and productivity by training operators using the Cat® Simulators Next Gen Excavator system, which effectively prepares them to utilize Cat® Technologies.



# CAT® SIMULATORS

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