

EQUIPMENT

Maximize the value of your equipment.

PRODUCTIVITY

Move more material in less time at a lower total cost.

SAFETY

Send everyone home safely after every shift.

SUSTAINABILITY

Reduce environmental impact with technology and innovation.

FINANCIALS

Manage expenses and use capital more efficiently.



SAFETY CAPABILITIES

Safety is a core Caterpillar value and integral to everything we do—from equipment design to operator training to service delivery. Together, we can improve safety and productivity on your site using technology, education and communication to drive a culture of safety excellence.

SAFETY TECHNOLOGY

To reduce risk when people and equipment are working in close proximity, Caterpillar offers technology solutions that enhance awareness, improve visibility and keep workers away from dangerous conditions.

Walk-around Tools and Processes

Equipment that's well-maintained and properly serviced is a fundamental aspect of site safety. We help ensure your machines are inspected, maintained and serviced regularly by offering walk-around tools and processes for operators and technicians. Consistent use of the tools improves maintenance and repair discipline, reducing the risk of injuries, incidents and property or equipment damage.

Grade and Compaction Control Systems

Automated systems for grade and compaction control reduce the number of surveyors needed on site, so you have fewer people in the path of heavy equipment. These tools also allow you to map equipment avoidance zones for unsafe slopes, high-walls, underground crushers or other hazards.

Object Detection and Visibility Systems

Using a combination of cameras, radar and alarms, our object detection systems help operators remain aware of people and other objects in the vicinity of your manned or remotely controlled equipment.

Fatigue Detection Technologies

Fatigued or distracted operators jeopardize site safety. Caterpillar provides in-cab technologies that detect operator fatigue and distraction and deliver real-time alerts to drivers and dispatchers. We also offer fatigue risk management services including training for shift workers and supervisors, shift scheduling and roster analysis, and support for fatigue and human-error analytics.

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OPERATOR EDUCATION

Our educational efforts are designed to help operators sharpen their skills and competencies while developing a deeper understanding of machine capabilities and limitations.

Operator Training

Delivered by Caterpillar Certified Operator Trainers, our training is customized to reflect your operators' unique skills and the specific machines in your fleet. Building on the basics of walk-around inspections and standard operations, we target site-specific improvements identified through data analysis and on-site observation.

Accident and Abuse Analysis

Mobile equipment supplies a rich data set, which if analyzed and understood, can provide critical insight into how machines are being operated. We combine advanced analytics with information about your site and the design and operating characteristics of your machines to identify potential issues with operator technique. Then working with site management, we create and execute a monitoring, communication and training program to modify operator behavior.

SAFETY CULTURE DEVELOPMENT

Safety culture starts with leadership and extends all the way to the front line. We can help you elevate your safety culture using proven methodologies that strengthen communication, reduce complacency and change behavior.

Culture Assessment

Whether you're at the beginning of your safety journey or preparing to move to the next level, a cultural assessment will help you determine where to focus your improvement efforts. The Safety Perception Survey from Caterpillar Safety Services quantifies employee attitudes and beliefs, giving you the information you need to make fact-based, data-driven improvement plans.

Culture Workshops

Workshops are available for all levels of your organization. Choose from a variety of options, each designed to elevate the safety culture in your business.

- **S.T.A.R.T.™**

Supervisor Training in Accountability and Recognition Techniques (S.T.A.R.T.) is a leadership program that demystifies safety management, providing supervisors and managers with the skills to identify and change safety perceptions and behaviors.

- **Speak Up!/Listen Up!**

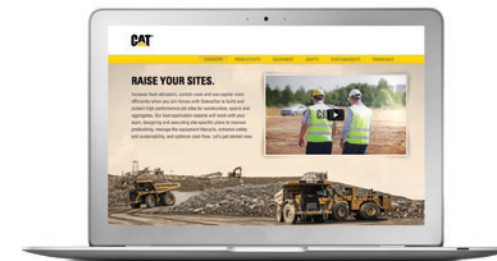
Designed to improve communication and foster a culture of safety excellence, Speak Up!/Listen Up! gives employees simple tools and a practical process for delivering and receiving safety-related feedback.

- **Recognize It!**

Focusing on the positive and eliminating blame are keys to advancing a culture of safety excellence. Our Recognize It! workshop gives supervisors useful tools for "catching" employees working safely and acknowledging their behaviors quickly, sincerely and specifically.

Rapid Improvement Workshops

These sessions bring together small teams of people, armed with data, tools and first-hand experience with a safety issue. Working together with a systematic process, they establish the baseline, complete a root-cause analysis, then develop and execute a solution, leveraging accountability and recognition to sustain success.



Put our capabilities to work in your business.

Caterpillar safety capabilities can be provided as individual services, but are most valuable when delivered as part of a comprehensive plan to optimize site performance. For more information about optimizing your site, contact an expert at collaborativesolutions@cat.com or visit cat.com/collaborative-solutions-us-english.