

CAT RENTALS.SM TRUSTED PERFORMANCE. RUGGED RESULTS.



**SMARTER RENTALS WITH TECH
THAT KEEPS YOUR JOBSITE MOVING**

**WESTERN
STATES**

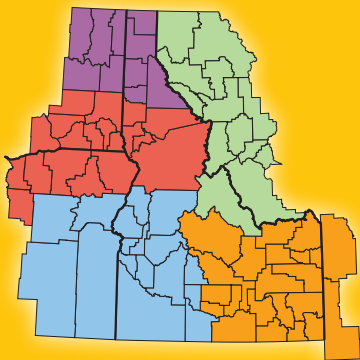
**CAT
RENTALS**

CAT COMPACT TRACK LOADERS (CTL) AND SKID STEERS – SMART CAMERA SYSTEMS

Our Cat CTLs are super versatile, and even more so when paired with advanced jobsite technology. Each can be configured with a 2D indicate only system for basic grade awareness or upgraded with Trimble Siteworks Machine Guidance for enhanced precision and real-time feedback. We can also outfit CTLs with Cat Detect Smart Cameras, providing operators with improved visibility and safety awareness. These CTLs are fully compatible with the Cat Smart Grader Blade (GB124) and Smart Box Blade attachments.



SALES REPS See the detailed technology territory map on the back



- Justin McEwen | Liberty Lake | 208.401.5108
- Darin Hughes | Pasco | 509.492.6331
- Mitch Bradshaw | Meridian | 208.965.5931
- James Duarte | Missoula | 406.677.0594
- Stephen Roberts | Idaho Falls | 208.816.1640



SMART CAMERA SYSTEMS — **NEW** CAT 360° VISION WITH PEOPLE DETECTION



INSTALLATION

Installing the Cat Detect Vision System on a Compact Track Loader involves mounting multiple cameras around the machine to provide a full 360-degree view. The rear camera is equipped with a built-in detection algorithm that identifies people entering the machine's hazard zone. The system also includes a high-definition touchscreen display mounted inside the cab, which alerts the operator visually and audibly when someone is detected nearby. Installation typically requires a closed cab, a 12V or 24V electrical system, and about a day of labor. The process includes routing and securing camera wiring, calibrating the system for accurate detection zones, and integrating the display with the machine's power and ignition systems.

SET UP FOR SMART ATTACHMENTS

See *CTL & Skid Steer Set Up for Smart Attachments* sheet.

TIME FRAME

Worksite Solutions is typically 3 weeks out on installations; this can fluctuate based on season and backlog, but this is average for us. We understand that this cannot work for many Cat Rentals clients and, as a result, are willing to commit to an installation within 7 calendar days. We will endeavor to make adjustments to install sooner; however, we cannot guarantee anything sooner than 7 days.

GEAR REMOVAL

Once a camera system is installed on CTL or skid steer, it will generally stay installed on the machine.

COST

Please reach out to the Worksite Solutions Sales Rep for cost information.

COMMON ISSUES

The smart camera relies on the imaging the camera provides and runs it through an algorithm to identify people or other hazards. This will stop working if the camera becomes dirty enough that the system is no longer able to recognize these hazards. The fix is simple – clean the camera.

CONTACT LIST

Worksite Solutions Support Hotline: 866-485-7652 or WorksiteSupport@wseco.com
Sales Reps: See the technology territory map on the back page.

CAT DOZERS (TRACK-TYPE TRACTORS) – SMART CAMERAS

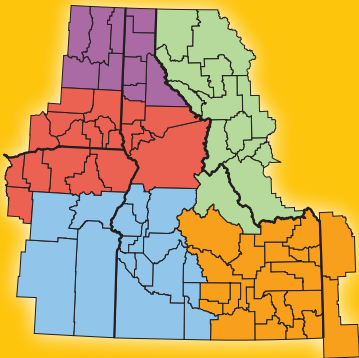
Cat Next Dozers are engineered to deliver precision, efficiency and control through a suite of integrated technologies. These machines come ready for Cat Grade with 2D, and can be upgraded to Grade with 3D for advanced design execution using GNSS positioning. They also feature Cat Slope Assist for simplified grading and Cat Stable Blade for smoother passes. With factory-installed sensors, intuitive in-cab displays and smart automation features, these dozers are built to help operators work faster, safer and more accurately.



SMART CAMERA SYSTEMS — **NEW** CAT 360° VISION WITH PEOPLE DETECTION



SALES REPS See the detailed technology territory map on the back



- Justin McEwen | Liberty Lake | 208.401.5108
- Darin Hughes | Pasco | 509.492.6331
- Mitch Bradshaw | Meridian | 208.965.5931
- James Duarte | Missoula | 406.677.0594
- Stephen Roberts | Idaho Falls | 208.816.1640

INSTALLATION

Installing the Cat Detect Vision System on a track-type tractor (dozer) involves mounting multiple cameras around the machine to provide a full 360-degree view. The rear camera is equipped with a built-in detection algorithm that identifies people entering the machine's hazard zone. The system also includes a high-definition touchscreen display mounted inside the cab, which alerts the operator visually and audibly when someone is detected nearby. Installation typically requires a closed cab, a 12V or 24V electrical system, and about a day of labor. The process includes routing and securing camera wiring, calibrating the system for accurate detection zones, and integrating the display with the machine's power and ignition systems.

TIME FRAME

Worksite Solutions is typically 3 weeks out on installations; this can fluctuate based on season and backlog, but this is average for us. We understand that this cannot work for many Cat Rentals clients and, as a result, are willing to commit to an installation within 7 calendar days. We will endeavor to make adjustments to install sooner; however, we cannot guarantee anything sooner than 7 days.

GEAR REMOVAL

Once a camera system is installed on a dozer, it will generally stay with the machine.

COST

Please reach out to the Worksite Solutions Sales Rep for cost information.

CONTACT LIST

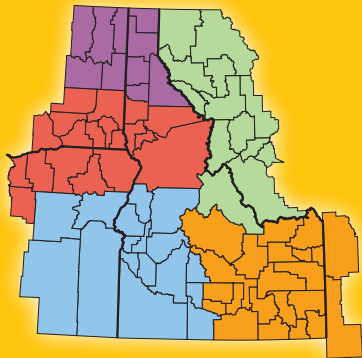
Worksite Solutions Support Hotline: 866-485-7652 or WorksiteSupport@wseco.com
Sales Reps: See the technology territory map on the back page.

CAT DOZERS (TRACK-TYPE TRACTORS)

Cat Next Dozers are engineered to deliver precision, efficiency and control through a suite of integrated technologies. These machines come ready for Cat Grade with 2D, and can be upgraded to Grade with 3D for advanced design execution using GNSS positioning. They also feature Cat Slope Assist for simplified grading, Cat Stable Blade for smoother passes. With factory-installed sensors, intuitive in-cab displays, and smart automation features, these dozers are built to help operators work faster, safer and more accurately.



SALES REPS See the detailed technology territory map on the back



- Justin McEwen | Liberty Lake | 208.401.5108
- Darin Hughes | Pasco | 509.492.6331
- Mitch Bradshaw | Meridian | 208.965.5931
- James Duarte | Missoula | 406.677.0594
- Stephen Roberts | Idaho Falls | 208.816.1640

2D VS. 3D

NEXT GEN 2D Indicate Only (comes standard) – Provides real-time elevation and slope feedback using factory-installed sensors and an intuitive display. It helps operators maintain a consistent grade by showing whether the blade is above, below, or on target. The system works well for flat or simple sloped surfaces and is especially useful for finish grading and pad construction. However, it does not use GPS and cannot follow complex site designs or variable contours.

Previous Models 2D Indicate Only – While not factory-integrated like on Next Gen models, 2D Indicate Only can still be added to previous-generation Cat dozers using our aftermarket solutions. The system includes external sensors mounted to the blade and frame, along with an in-cab display that provides visual feedback on elevation and slope. These typically will require a grade laser and some site setup to work well.

3D Next Gen & Previous Models – Uses GPS to determine the machine's position in three-dimensional space, enabling precise elevation changes, variable slopes, and complex contours. It references a digital site model, allowing the operator to follow detailed design plans with minimal manual input – the blade automatically adjusts position based on the model. These systems will require a source for corrections – typically a base station, though other options are available. Talk to your Worksite Solutions Sales Rep for more details on these options.

TECHNOLOGY ADDED



WORKSITE SOLUTIONS SET UP

Cat Next Gen Dozers come equipped with a range of factory-integrated technologies that support both productivity and safety. The base configuration typically includes Cat Grade with 2D, which uses onboard sensors to provide real-time elevation and slope feedback directly on the in-cab touchscreen. These machines are also wired and ready for upgrades 3D, needing to have receivers added and measure-ups completed.

Previous Cat models require a complete wire up, cab kit and require more install time.

TIME FRAME

Worksite Solutions is typically 3 weeks out on installations; this can fluctuate based on season and backlog, but this is average for us. We understand that this cannot work for many Cat Rentals clients and, as a result, are willing to commit to an installation within 7 calendar days. We will endeavor to make adjustments to install sooner; however, we cannot guarantee anything sooner than 7 days.

GEAR REMOVAL

2D Indicate – For systems other than Next Gen Dozers, masts, laser receivers and a display need to be removed

3D Systems – The removal will vary by machine type and age. Please notify Worksite Solutions as soon as possible to have the necessary components removed

COST

Please reach out to the Worksite Solutions Sales Rep for cost information.

CONTACT LIST

Worksite Solutions Support Hotline: 866-485-7652 or WorksiteSupport@wseco.com

Sales Reps: See the technology territory map on the back page.

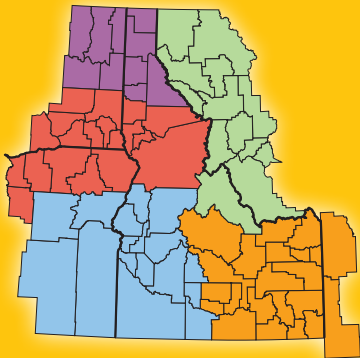
CAT COMPACT TRACK LOADERS (CTL) AND SKID STEERS – SITEWORKS MACHINE GUIDANCE

Our Cat CTLs are super versatile, and even more so when paired with advanced jobsite technology. Each can be configured with a 2D indicate only system for basic grade awareness or upgraded with Trimble Siteworks Machine Guidance for enhanced precision and real-time feedback.



We can also outfit CTLs with Cat Detect smart cameras, providing operators with improved visibility and safety awareness. These CTLs are fully compatible with the Cat Smart Grader Blade (GB124) and Smart Box Blade attachments.

SALES REPS See the detailed technology territory map on the back



- Justin McEwen | Liberty Lake | 208.401.5108
- Darin Hughes | Pasco | 509.492.6331
- Mitch Bradshaw | Meridian | 208.965.5931
- James Duarte | Missoula | 406.677.0594
- Stephen Roberts | Idaho Falls | 208.816.1640

2D vs. 3D

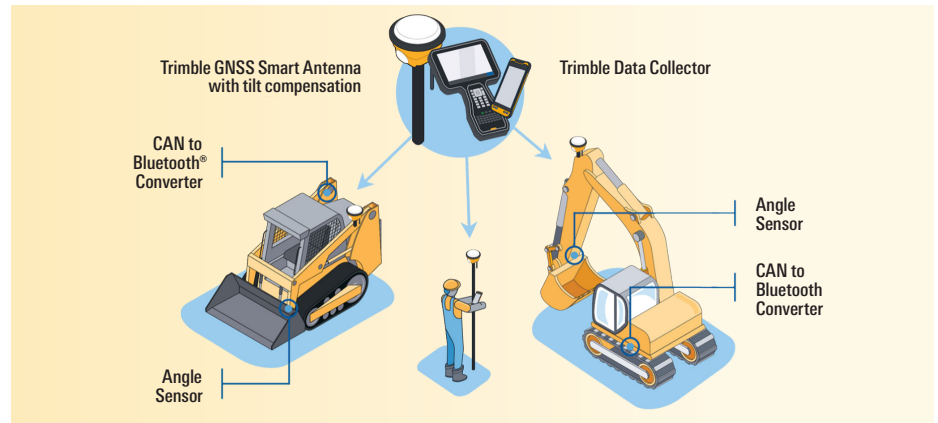
2D Indicate Only – is a little bit different when not using a smart attachment. We don't typically use a laser in this scenario. The system relies on internal sensors and machine-mounted components to provide real-time feedback on bucket position. It gives the operator visual guidance through the in-cab display, showing whether they are above, below, or on grade, usually in single or dual slope applications. While it doesn't control the bucket automatically, it is an effective way to improve grading accuracy and guesswork.

NOTE – 2D Indicate is only available on next gen machines.

3D (outside of smart attachments) uses GPS to understand its position in three-dimensional space, allowing for complex contours, variable slopes and precise elevation changes. It references a digital site model, enabling the machine to automatically follow detailed design plans with minimal operator input. Trimble Siteworks Machine Guidance would be the most common setup and use of 3D, outside of using it on smart attachments. These systems indicate only and do not control the bucket or machine.

NOTE – Both 2D and 3D grade control systems are available on some smart attachments. See the attachment sheet for more information.

TECHNOLOGY ADDED



WORKSITE SOLUTIONS SET UP

As shown in the diagram, the Trimble Siteworks setup for CTLs is relatively simple. It includes an angle sensor mounted to the bucket or quick coupler, a CAN-to-Bluetooth converter for data transmission, a bracket for mounting the GNSS receiver, and a cab mount for the data collector. Most clients who use this system already own a compatible GNSS receiver and data collector. (or they can be rented from Worksite Solutions). In these cases, they supply their own equipment, using the data collector as the in-cab display and attaching their GNSS receiver to the machine for real-time positioning.

SET UP FOR SMART ATTACHMENTS

See separate sheet – *CTL & Skid Steer Set Up for Smart Attachments*.

TIME FRAME

Worksite Solutions is typically 3 weeks out on installations; this can fluctuate based on season and backlog, but this is average for us. We understand that this cannot work for many Cat Rentals clients and, as a result, are willing to commit to an installation within 7 calendar days. We will endeavor to make adjustments to install sooner; however, we cannot guarantee anything sooner than 7 days.

GEAR REMOVAL

2D Indicate – When removing the 2D system, the brackets for the angle sensor, CAN to Bluetooth converter and GNSS receiver will all stay installed on the machine. The sensor, converter and receiver will all be removed.

NOTE – the GNSS receiver and data collector are typically under a separate rental contract or belong to the client.

COST

Please reach out to the Worksite Solutions Sales Rep for cost information.

COMMON ISSUES

The Siteworks for Machine Guidance solution is an entry-level option for machine guidance; it is not as fast at processing as other grade control solutions. As a result, sometimes operators move faster than the machine can understand and update where the bucket is in space. In these instances, the operator just needs to slow down.

CONTACT LIST

Worksite Solutions Support Hotline: 866-485-7652 or WorksiteSupport@wseco.com

TRIMBLE GNSS SYSTEM – BASE, ROVER & DATA COLLECTOR

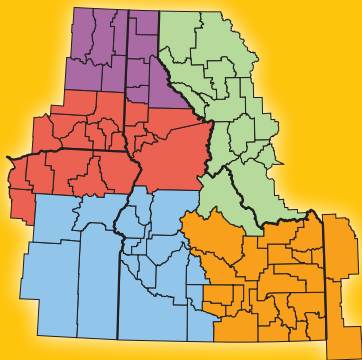
Trimble's GNSS technology provides the backbone for high-accuracy positioning, layout and grade control on modern jobsites. Whether performing site surveys, setting control points, or guiding machines with 3D models, the combination of a base station, rover and data collector delivers reliable, real-time location data with centimeter-level precision. Each component plays a critical role in the workflow, and understanding how they work together is key to maximizing efficiency and accuracy in the field.



THE NEED FOR GNSS CORRECTIONS

GNSS Corrections are essential for achieving the high level of accuracy required in construction layout, survey and machine guidance. Raw satellite signals alone can be off by several feet due to atmospheric interference, satellite drift and signal delays. Corrections ensure that control points, grade stakes and excavation depths match the design exactly, reducing rework and improving overall efficiency.

SALES REPS See the detailed technology territory map on the back



- Justin McEwen | Liberty Lake | 208.401.5108
- Darin Hughes | Pasco | 509.492.6331
- Mitch Bradshaw | Meridian | 208.965.5931
- James Duarte | Missoula | 406.677.0594
- Stephen Roberts | Idaho Falls | 208.816.1640

TRIMBLE BASE STATION

The base station is the foundation of any high-accuracy GNSS setup on a jobsite. It's a stationary receiver placed over a known control point that continuously tracks satellite signals and calculates its exact position. From there, it broadcasts correction data to nearby rovers and machine receivers, eliminating the common GNSS errors like atmospheric distortion and satellite drift. This correction data allows connected devices to achieve centimeter-level accuracy in real time. The base station typically transmits corrections via radio. Proper setup is critical to ensure reliable performance across the site.



TRIMBLE ROVER

A rover is the mobile component of the GNSS system, designed to deliver high-accuracy positioning anywhere on the jobsite. It receives satellite signals and real-time correction data from the base station, allowing it to determine its exact location with centimeter-level precision. Mounted on a survey pole, the rover is used for layout, grade checking, and point collection. When paired with a data collector, it becomes a powerful tool for navigating site designs, verifying elevations, capturing field data, and even giving quantities of stockpiles. Rugged and lightweight, the rover is built for mobility and reliability, making it essential for surveyors, field engineers and machine operators in dynamic environments.



DATA COLLECTOR

The data collector serves as the central interface for managing GNSS workflows in the field. Connected to the rover via Bluetooth or cable, it runs powerful software – Trimble Siteworks, allowing users to view site plans, collect and stake out points and monitor real-time positioning. The data collector displays cut/fill values, elevation data and design overlays, giving operators and surveyors the information they need to make fast, accurate decisions. It also stores collected data for post-processing or integration into office software, making it a vital link between field operations and project management. Rugged and easy to use, the data collector is built to perform in tough jobsite conditions while keeping workflows efficient and connected.



WHAT IS A 3D MODEL?

A 3D model is a digital representation of a physical site for structure, built using three-dimensional coordinates to define surfaces, elevations and design features. In construction and surveying, 3D models combine design data with real-world geo-spatial information to create an accurate virtual layout of the project. When integrated with GNSS systems, 3D models enable machine control and layout workflows to make sure the project is built exactly to specifications.

TOTAL STATION

The total station is a high-accuracy optical instrument used for layout, surveying and machine control in environments where GNSS signals may be unreliable or unavailable. It works by measuring angles and distances from a fixed location to a prism target mounted on a rover or a machine. Using line of sight communication, the total station calculates precise 3D coordinates and transmits them to a data collector or grade control system. This makes it ideal for tight urban sites, areas of heavy tree cover, inside buildings, or for high precision tasks like airport landing strips. Total robotic stations can automatically track the target, allowing for one-person operation and seamless integration with 3D models and machine guidance.



OFF MACHINE 3D GEAR RENTAL

All off machine 3D gear rental comes through Worksite Solutions. Please contact your Worksite Solutions Sales Rep for more information.

CONTACT LIST

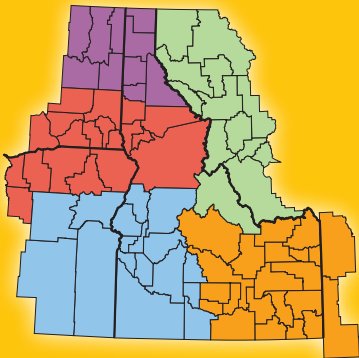
Worksite Solutions Support Hotline: 866-485-7652 or WorksiteSupport@wseco.com
Sales Reps: See the technology territory map on the back page.

CAT BOX BLADE

The Cat Box Blade is a precision grading attachment designed for compact track loaders and skid steers, offering both 2D and 3D grade control capabilities. While it shares many of the same control systems as the Cat GB124 grader blade, the box blade is built for more confined workspaces and fine grading tasks, such as finish work and small site prep. The system delivers high-accuracy grading performance with the same laser or GPS-based control options.



SALES REPS See the detailed technology territory map on the back



- Justin McEwen | Liberty Lake | 208.401.5108
- Darin Hughes | Pasco | 509.492.6331
- Mitch Bradshaw | Meridian | 208.965.5931
- James Duarte | Missoula | 406.677.0594
- Stephen Roberts | Idaho Falls | 208.816.1640

2D vs. 3D GRADE CONTROL

2D Grade Control uses a laser reference to maintain a consistent elevation across the work surface. The system adjusts the blade height based on a single or dual plane, making it ideal for flat or sloped surfaces where elevation changes are simple and consistent.

3D Grade Control uses GPS to position the blade in three-dimensional space, allowing for complex contours, variable slopes and precise elevation changes. It references a digital site model, enabling the machine to automatically follow detailed design plans with minimal operator input.

NOTE – Both options do require some site set up.

The 2D laser systems require an understanding of how the laser system works and how to set up the laser onsite to get the desired result.

The 3D GPS system requires a pre-built site model to be loaded into the display of the machine, as well as a GPS base station onsite.

TECHNOLOGY ADDED

- Electronic Controller (EC520)**
The brain and mainfall slope sensor
- Display**
Operator interface with the system
- Slope Sensor GS510,**
standard on GB120 and GB124
Measures cross slope of blade
- Laser Receiver LR410**
Receives feedback from laser
- Data Radio**
Communicates with the base station for corrections

WORKSITE SOLUTIONS SET UP

Our team sets up every Box Blade for both 2D and 3D grade control, even if the rental is only using 2D grade control. This ensures the system is ready for future upgrades without requiring us to come back out. The setup includes exchanging the stock masts for the 3D masts, routing the EC520 platform and radio harnesses, connecting the machine interface harness, mounting the remote antenna and installing an audible buzzer.

Next, we power up the system by connecting it to a skid steer and secure all unused connections. For 3D, we set up a total station and take precise blade measurements, calibrate the valves and upload a digital design to verify blade tip accuracy.

If the rental is 2D-only, we then swap in black masts, set up the laser and benchmark to confirm the system is working. Finally, we export the machine file for reference.

GEAR REMOVAL

When removing the radio, the spacers and bolts need to be put back in and tightened. These are often discarded, and we have to replace them the next time a radio is installed.

COST

Please reach out to the Worksite Solutions Sales Rep for cost information.

COMMON ISSUES

WiFi Disconnected – if this happens, the system will reset and you will be prompted to enter a password to connect. The password is Sitech#1

Aux 7 & 8 have to be switched on in order for the system to work.

CONTACT LIST

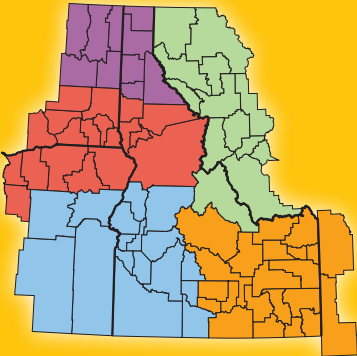
Worksite Solutions Support Hotline: 866-485-7652 or WorksiteSupport@wseco.com
Sales Reps: See the technology territory map on the back page.

CAT GB124 SMART GRADER BLADE

The Cat GB124 is an advanced smart grader blade designed for precision grading tasks. It supports both 2D and 3D grade control systems, allowing operators to achieve accurate surface levels using laser, GPS, or total station guidance. With its integrated sensors and automated blade adjustments, the GB124 enhances productivity and ensures consistent, high-quality grading results across a variety of job sites.



SALES REPS See the detailed technology territory map on the back



- Justin McEwen | Liberty Lake | 208.401.5108
- Darin Hughes | Pasco | 509.492.6331
- Mitch Bradshaw | Meridian | 208.965.5931
- James Duarte | Missoula | 406.677.0594
- Stephen Roberts | Idaho Falls | 208.816.1640

2D vs. 3D GRADE CONTROL

2D Grade Control uses a laser reference to maintain a consistent elevation across the work surface. The system adjusts the blade height based on a single plane or dual plane, making it ideal for flat or sloped surfaces where elevation changes are simple and consistent.

3D Grade Control uses GPS to position the blade in three-dimensional space, allowing for complex contours, variable slopes and precise elevation changes. It references a digital site model, enabling the machine to automatically follow detailed design plans with minimal operator input.

NOTE – Both options do require some site set up.

The 2D laser systems requires an understanding of how the laser system works and how to set up the laser onsite to get the desired result.

The 3D GPS system requires a pre-built site model to be loaded into the display of the machine, as well as a GPS base station onsite.

TECHNOLOGY ADDED



Electronic Controller (EC520)
The brain and mainfall slope sensor



Display
Operator interface with the system



Slope Sensor GS510,
standard on GB120 and GB124
Measures cross slope of blade



Laser Receiver LR410
Receives feedback from laser



GPS/GNSS Receiver
Receives data from satellites



Data Radio
Communicates with the base station for corrections

WORKSITE SOLUTIONS SET UP

Our team sets up every Cat GB124 for both 2D and 3D grade control, even if the rental is only using 2D. This ensures the system is ready for future upgrades without requiring us to come back out. The setup includes exchanging the stock masts for the 3D masts, routing the EC520 platform and radio harnesses, connecting the machine interface harness, mounting the remote antenna and installing an audible buzzer.

Next, we power up the system by connecting it to a skid steer and secure all unused connections. For 3D, we set up a total station and take precise blade measurements, calibrate the valves and upload a digital design to verify blade tip accuracy.

If the rental is 2D-only, we then swap in black masts, set up the laser and benchmark to confirm the system is working. Finally, we export the machine file for reference.

TIME FRAME

Worksite Solutions is typically 3 weeks out on installations, this can fluctuate based on season and backlog, but this is average for us. We understand that this cannot work for many Cat Rentals clients and as a result are willing to commit to an installation within 7 calendar days. We will endeavor to make adjustments to install sooner, however we cannot guarantee anything sooner than 7 days.

GEAR REMOVAL

When removing radio, the spacers and bolts need to be put back in and tightened. These are often discarded, and we have to replace them the next time a radio is installed. Video to be made to show what will need to be removed.

COST

Please reach out to the Worksite Solutions Sales Rep for cost information.

COMMON ISSUES

WiFi Disconnected – if this happens, the system will reset and you will be prompted to enter a password to connect. The password is: Sitech#1

Aux 7 & Aux 8 have to be switched on in order for the system to work.

CONTACT LIST

Worksite Solutions Support Hotline: 866-485-7652 or WorksiteSupport@wseco.com

Sales Reps: See the technology territory map on the back page.

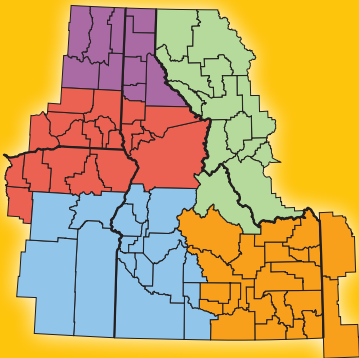
CAT HYDRAULIC EXCAVATORS (HEX) – NEXT GEN & PREVIOUS MODELS

Cat Next Gen Hydraulic Excavators are built to support a full suite of integrated technologies that enhance precision, safety, and productivity on the jobsite. These machines come ready for Cat Grade with 2D and can be upgraded to Grade with 3D for advanced design execution.



They also support Trimble Siteworks Machine Guidance, allowing operators to follow complex site plans using real-time GNSS positioning. Additional features like Cat Payload, E-Fence, and Cat Detect with People Detection provide enhanced control, material tracking, and situational awareness. With factory-installed sensors and intuitive in-cab displays, these excavators are ready to work smarter.

SALES REPS See the detailed technology territory map on the back



- Justin McEwen | Liberty Lake | 208.401.5108
- Darin Hughes | Pasco | 509.492.6331
- Mitch Bradshaw | Meridian | 208.965.5931
- James Duarte | Missoula | 406.677.0594
- Stephen Roberts | Idaho Falls | 208.816.1640

2D vs. 3D

NEXT GEN 2D Indicate Only – is a little bit different when not using a smart attachment. We will sometimes use a laser catcher in this scenario. The system relies on the internal sensors and machine-mounted components to provide real-time feedback on bucket position. It gives the operator visual guidance through the in-cab display, showing whether they are above, below, or on grade. While it doesn't control the bucket automatically, it is an effective way to improve grading accuracy and reduce guesswork.

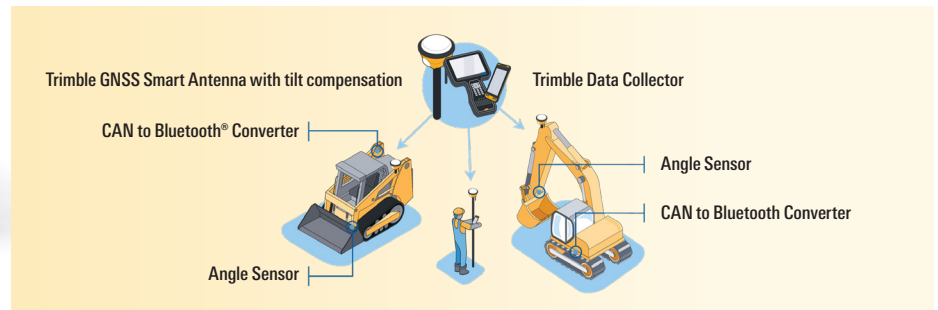
NOTE – *The operator will have to bench the bucket every time they move the machine.*

Previous Models 2D Indicate Only – while not factory-integrated like on Next Gen models, 2D Indicate Only can still be added to older Cat hydraulic excavators using our aftermarket solutions. The system includes external sensors mounted to the boom, stick, and bucket, along with an in-cab display that provides visual feedback on elevation and slope. The operator uses this guidance to manually adjust the bucket position, improving grading accuracy without full automation. Unlike Next Gen machines, older models require additional wiring, mounting hardware, and calibration during installation. Though more labor-intensive to set up, 2D Indicate remains a valuable upgrade for improving performance on legacy equipment.

3D Next Gen & Previous Models (outside of smart attachments) – uses GPS to determine the machine's position in three-dimensional space, enabling precise elevation changes, variable slopes and complex contours. It references a digital site model, allowing the operator to follow detailed design plans with minimal manual input. The easiest setup for 3D outside of smart attachments is Trimble Siteworks Machine Guidance, which provides indicate-only feedback without controlling the bucket or machine. A full 3D system is required for automatics on these excavators, which can be put on Next Gen and previous models. These systems will require a source for corrections – typically a base station, though other options are available. Talk to your Worksite Solutions Sales Rep for more details on these options.

NOTE – *Both 2D and 3D grade control systems are available on some smart attachments. See the attachment sheet for more information.*

TECHNOLOGY ADDED



WORKSITE SOLUTIONS SET UP

Cat Next Gen Excavators come equipped with a range of factory-integrated technologies that support both productivity and safety. The base configuration typically includes Cat Grade with 2D, which uses onboard sensors to provide real-time elevation and slope feedback directly on the in-cab touchscreen. These machines are also wired and ready for upgrades 3D, needing to have receivers added and measure-ups completed. Previous Cat models require a complete wire up and have a significant install time.

SET UP FOR SMART ATTACHMENTS

See separate sheet – *CTL & Skid Steer Set Up for Smart Attachments.*

TIME FRAME

Worksite Solutions is typically 3 weeks out on installations; this can fluctuate based on season and backlog, but this is average for us. We understand that this cannot work for many Cat Rentals clients and, as a result, are willing to commit to an installation within 7 calendar days. We will endeavor to make adjustments to install sooner; however, we cannot guarantee anything sooner than 7 days.

GEAR REMOVAL

2D Indicate – When removing the 2D system, the brackets for the angle sensor, CAN to Bluetooth converter and GNSS receiver will all stay installed on the machine. The sensor, converter and receiver will all be removed.

NOTE – *the GNSS receiver and data collector are typically under a separate rental contract or belong to the client.*

3D Systems – The removal will vary by machine type and age. Please notify Worksite Solutions as soon as possible to have the necessary components removed.

COST

Please reach out to the Worksite Solutions Sales Rep for cost information.

COMMON ISSUES

The Siteworks for Machine Guidance solution is an entry-level option for machine guidance; it is not as fast at processing as other grade control solutions. As a result, sometimes operators move faster than the machine can understand and update where the bucket is in space. In these instances, the operator just needs to slow down.

CONTACT LIST

Worksite Solutions Support Hotline: 866-485-7652 or WorksiteSupport@wseco.com

Sales Reps: See the technology territory map on the back page.

CAT HYDRAULIC EXCAVATORS (HEX) – SMART CAMERA SYSTEMS

Cat Next Gen Hydraulic Excavators are built to support a full suite of integrated technologies that enhance precision, safety, and productivity on the jobsite. These machines come ready for Cat Grade with 2D and can be upgraded to Grade with 3D for advanced design execution.

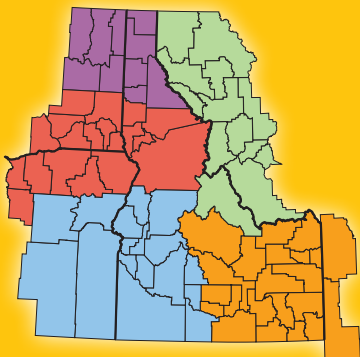


SMART CAMERA SYSTEM — **NEW** CAT 360° VISION WITH PEOPLE DETECTION



They also support Trimble Siteworks Machine Guidance, allowing operators to follow complex site plans using real-time GNSS positioning. Additional features like Cat Payload, E-Fence, and Cat Detect with People Detection provide enhanced control, material tracking, and situational awareness. With factory-installed sensors and intuitive in-cab displays, these excavators are ready to work smarter.

SALES REPS See the detailed technology territory map on the back



- Justin McEwen | Liberty Lake | 208.401.5108
- Darin Hughes | Pasco | 509.492.6331
- Mitch Bradshaw | Meridian | 208.965.5931
- James Duarte | Missoula | 406.677.0594
- Stephen Roberts | Idaho Falls | 208.816.1640

INSTALLATION

Installing the Cat Detect Vision System on a Hydraulic Excavator involves mounting multiple cameras around the machine to provide a full 360-degree view. The rear-facing camera is equipped with a built-in detection algorithm that identifies people entering the machine's hazard zone. The system also includes a high-definition touchscreen display mounted inside the cab, which alerts the operator visually and audibly when someone is detected nearby. Installation typically requires a closed cab, a 12V or 24V electrical system, and about a day of labor. The process includes routing and securing camera wiring, calibrating the system for accurate detection zones, and integrating the display with the machine's power and ignition systems.

SET UP FOR SMART ATTACHMENTS

See separate sheet – *CTL & Skid Steer Set Up for Smart Attachments*.

TIME FRAME

Worksite Solutions is typically 3 weeks out on installations; this can fluctuate based on season and backlog, but this is average for us. We understand that this cannot work for many Cat Rentals clients and, as a result, are willing to commit to an installation within 7 calendar days. We will endeavor to make adjustments to install sooner; however, we cannot guarantee anything sooner than 7 days.

GEAR REMOVAL

Once a camera system is installed on a HEX, it will generally stay on the machine.

COST

Please reach out to the Worksite Solutions Sales Rep for cost information.

COMMON ISSUES

The smart camera relies on the imaging the camera provides and runs it through an algorithm to identify people or other hazards. This will stop working if the camera becomes dirty enough that the system is no longer able to recognize these hazards. The fix is simple – clean the camera.

CONTACT LIST

Worksite Solutions Support Hotline: 866-485-7652 or WorksiteSupport@wseco.com
Sales Reps: See the technology territory map on the back page.

CAT MOTOR GRADERS – MASTLESS

WORKSITE SOLUTIONS SET UP

Cat Motor Graders are engineered for precision and control across a wide range of grading applications, with integrated technology that boosts performance and efficiency. We can configure these graders in a mastless setup, meaning no masts are attached to either end of the blade. Instead, the receivers are mounted on top of the cab and frame. This design allows full blade articulation without interference from masts, making it a preferred choice for many clients. Importantly, this setup does not compromise grade control accuracy or performance.



3D

Next Gen & Previous Models – uses GPS to determine the machine's position in three-dimensional space, enabling precise elevation changes, variable slopes, and complex contours. It references a digital site model, allowing the operator to follow detailed design plans with minimal manual input – the blade automatically adjusts position based on the model. Cat Next Gen Motor graders come ready for full 3D integration, while many previous generation models can be retrofitted with an aftermarket system. These systems will require a source for corrections – typically a base station, though other options are available. Talk to your Worksite Solutions Sales Rep for more details on these options.

TECHNOLOGY ADDED



WORKSITE SOLUTIONS SET UP

Cat Next Gen Motor Graders come equipped with a range of factory-integrated technologies that support both productivity and safety. The base configuration typically includes Cat Grade with Cross Slope, which uses onboard sensors to provide real-time slope feedback directly on the in-cab touchscreen. These machines are also wired and ready for upgrades 3D, needing to have receivers added and measure ups completed.

Previous Cat models require a complete wire up, cab kit and, require more install time.

The mastless configuration does take a little more time for installation – approximately one-half day.

TIME FRAME

Worksite Solutions is typically 3 weeks out on installations; this can fluctuate based on season and backlog, but this is average for us. We understand that this cannot work for many Cat Rentals clients and, as a result, are willing to commit to an installation within 7 calendar days. We will endeavor to make adjustments to install sooner; however, we cannot guarantee anything sooner than 7 days.

GEAR REMOVAL

2D Indicate – None

3D Systems – the removal will vary by machine type and age. Please notify Worksite Solutions as soon as possible to have the necessary components removed.

COST

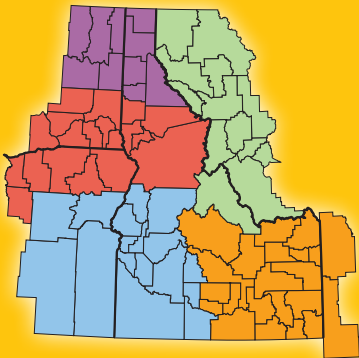
Please reach out to the Worksite Solutions Sales Rep for cost information.

CONTACT LIST

Worksite Solutions Support Hotline: 866-485-7652 or WorksiteSupport@wseco.com

Sales Reps: See the technology territory map on the back page.

SALES REPS See the detailed technology territory map on the back



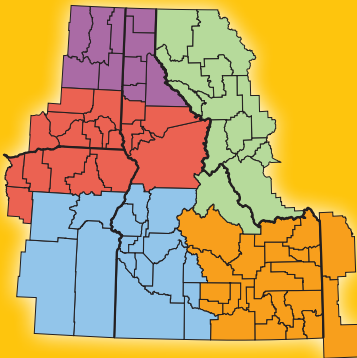
- Justin McEwen | Liberty Lake | 208.401.5108
- Darin Hughes | Pasco | 509.492.6331
- Mitch Bradshaw | Meridian | 208.965.5931
- James Duarte | Missoula | 406.677.0594
- Stephen Roberts | Idaho Falls | 208.816.1640

CAT MOTOR GRADERS

Cat Motor Graders are built to deliver precision and control across a wide range of grading applications, with integrated technology that enhances performance and efficiency. These machines come ready for Cat Grade with cross slope and can be upgraded to Cat Grade with 3D for advanced design execution using GNSS positioning. They also support features like Stable Blade, Auto Articulation, and Cat Detect, helping operators maintain smooth passes, improve safety, and reduce rework. With factory-installed sensors, smart hydraulics, and intuitive in-cab displays, Cat Motor Graders are designed to help crews work faster, more accurately, and with greater confidence.



SALES REPS See the detailed technology territory map on the back



- Justin McEwen | Liberty Lake | 208.401.5108
- Darin Hughes | Pasco | 509.492.6331
- Mitch Bradshaw | Meridian | 208.965.5931
- James Duarte | Missoula | 406.677.0594
- Stephen Roberts | Idaho Falls | 208.816.1640

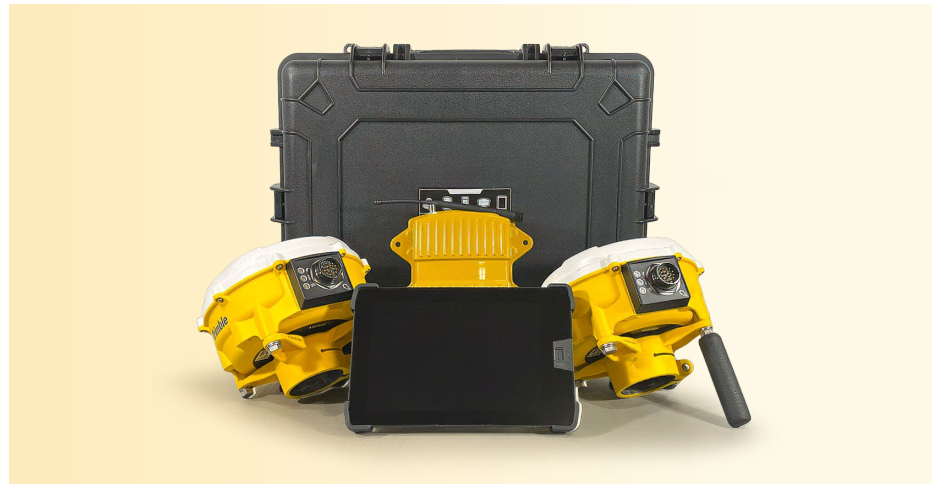
2D VS. 3D

NEXT GEN 2D – Cat Grade with Cross Slope – This system is designed to help operators maintain a consistent slope across the blade by automatically adjusting one side of the moldboard while the operator controls the opposite side. It's a form of 2D control that uses onboard sensors to measure blade angle and elevation, providing real-time feedback and automatic corrections to maintain the desired slope. It does not offer full elevation control, but is ideal for tasks like road maintenance, shoulder work and finish grading where maintaining a consistent slope is critical.

Previous Models 2D Cat Grade with Cross Slope – While not factory-integrated like on Next Gen models, 2D Cat Grade with Cross Slope can still be added to previous generation Cat graders using an aftermarket solution – this is not very common.

3D Next Gen and Previous Models – Uses GPS to determine the machine's position in three-dimensional space, enabling precise elevation changes, variable slopes, and complex contours. It references a digital site model, allowing the operator to follow detailed design plans with minimal manual input – the blade automatically adjusts position based on the model. Cat Next Gen Motograders come ready for full 3D integration, while many previous generation models can be retrofitted with an aftermarket system. These systems will require a source for corrections – typically a base station, though other options are available. Talk to your Worksite Solutions Sales Rep for more details on these options.

TECHNOLOGY ADDED



WORKSITE SOLUTIONS SET UP

Cat Next Gen Motor Graders come equipped with a range of factory-integrated technologies that support both productivity and safety. The base configuration typically includes Cat Grade with Cross Slope, which uses onboard sensors to provide real-time slope feedback directly on the in-cab touchscreen. These machines are also wired and ready for upgrades 3D, needing to have receivers added and measure ups completed.

Previous Cat models require a complete wire up, cab kit and require more install time.

TIME FRAME

Worksite Solutions is typically 3 weeks out on installations; this can fluctuate based on season and backlog, but this is average for us. We understand that this cannot work for many Cat Rentals clients and, as a result, are willing to commit to an installation within 7 calendar days. We will endeavor to make adjustments to install sooner; however, we cannot guarantee anything sooner than 7 days.

GEAR REMOVAL

2D Indicate – None

3D Systems – The removal will vary by machine type and age. Please notify Worksite Solutions as soon as possible to have the necessary components removed.

COST

Please reach out to the Worksite Solutions Sales Rep for cost information.

CONTACT LIST

Worksite Solutions Support Hotline: 866-485-7652 or WorksiteSupport@wseco.com
Sales Reps: See the technology territory map on the back page.

CAT MOTOR GRADERS – SMART CAMERAS

Cat Motor Graders are built to deliver precision and control across a wide range of grading applications, with integrated technology that enhances performance and efficiency. These machines come ready for Cat Grade with cross slope and can be upgraded to Cat Grade with 3D for advanced design execution using GNSS positioning. They also support features like Stable Blade, Auto Articulation, and Cat Detect, helping operators maintain smooth passes, improve safety, and reduce rework. With factory-installed sensors, smart hydraulics, and intuitive in-cab displays, Cat Motor Graders are designed to help crews work faster, more accurately, and with greater confidence.



SMART CAMERA SYSTEMS — **NEW** CAT 360° VISION WITH PEOPLE DETECTION



INSTALLATION

Installing the Cat Detect Vision System on a motorgrader involves mounting multiple cameras around the machine to provide a full 360-degree view. The rear camera is equipped with a built-in detection algorithm that identifies people entering the machine's hazard zone. The system also includes a high-definition touchscreen display mounted inside the cab, which alerts the operator visually and audibly when someone is detected nearby. Installation typically requires a closed cab, a 12V or 24V electrical system, and about a day of labor. The process includes routing and securing camera wiring, calibrating the system for accurate detection zones, and integrating the display with the machine's power and ignition systems.

TIME FRAME

Worksite Solutions is typically 3 weeks out on installations; this can fluctuate based on season and backlog, but this is average for us. We understand that this cannot work for many Cat Rentals clients and, as a result, are willing to commit to an installation within 7 calendar days. We will endeavor to make adjustments to install sooner; however, we cannot guarantee anything sooner than 7 days.

GEAR REMOVAL

Once a camera system is installed on a motorgrader, it will generally stay with the machine.

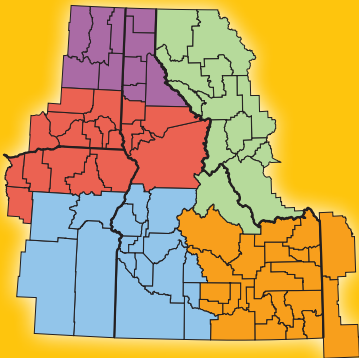
COST

Please reach out to the Worksite Solutions Sales Rep for cost information.

CONTACT LIST

Worksite Solutions Support Hotline: 866-485-7652 or WorksiteSupport@wseco.com
Sales Reps: See the technology territory map on the back page.

SALES REPS See the detailed technology territory map on the back



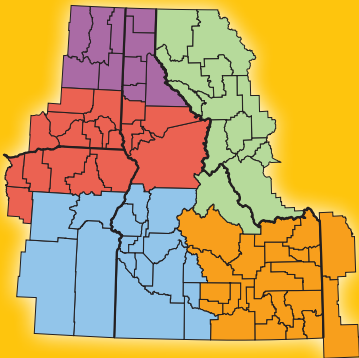
- Justin McEwen | Liberty Lake | 208.401.5108
- Darin Hughes | Pasco | 509.492.6331
- Mitch Bradshaw | Meridian | 208.965.5931
- James Duarte | Missoula | 406.677.0594
- Stephen Roberts | Idaho Falls | 208.816.1640

SPECTRA LASERS – PRECISION TOOLS FOR LAYOUT AND GRADE CONTROL

Spectra lasers are reliable, jobsite proven tools used for layout, elevation checks and supporting 2D grade systems. Whether you're working with a compact machine, setting benchmarks, or verifying pad elevations, these lasers provide a consistent reference point that helps crews work faster and more accurately. We commonly offer two types of Spectra lasers: laser level and grade lasers, each serving a specific purpose in layout and grading workflows.



SALES REPS See the detailed technology territory map on the back



- Justin McEwen | Liberty Lake | 208.401.5108
- Darin Hughes | Pasco | 509.492.6331
- Mitch Bradshaw | Meridian | 208.965.5931
- James Duarte | Missoula | 406.677.0594
- Stephen Roberts | Idaho Falls | 208.816.1640



HOW ROTATING LASERS WORK

Rotating lasers use a motorized head to spin a laser beam 360 degrees, creating a consistent horizontal or sloped reference plane across a jobsite. This invisible laser 'sheet' can be detected by a laser receiver mounted on a grade rod or grading equipment. The receiver picks up the beam and provides visible or audible feedback to indicate whether the sensor is above, below, or on the laser plane. This setup is commonly used for checking grade, setting elevations, or powering 2D automatic grade control systems on compatible machines.

LASER LEVEL – LL300

Laser levels like the LL300 are durable, self-leveling grade lasers designed for general construction and site prep tasks. It emits a 360-degree rotating laser beam that creates a consistent horizontal reference plane across the jobsite. This makes it ideal for checking elevations and setting benchmarks, though it is not powerful or fast enough (rotation) to enable 2D grade control. It is easy to set up, weather-resistant and compatible with a wide range of laser receivers. However, it doesn't offer slope functionality like our grade lasers.



GRADE LASERS – GL1425

Our grade laser is a slope-capable grade laser designed for more advanced grading applications where elevation changes and consistent slopes are required. Unlike entry-level lasers, the GL1425 allows users to dial in a specific single or dual slope percentage, making it ideal for drainage work, road construction and sloped pads. It also has a function that allows it to match an existing slope and extend it out. This laser also emits a 360-degree rotating laser beam that can be picked up by compatible laser receivers mounted on grade rods or grading equipment. It is built for durability and accuracy with long-range capabilities and weather-resistant construction.



STRATEGY

2D grade control is an accessible, cost-effective entry to point into precision grading technology. 2D systems are simple to operate, require minimal setup and deliver immediate improvements in grading accuracy and efficiency. By starting with 2D, customers gain hands-on experience with grade control workflows, building confidence and familiarity with the technology. This makes the transition to full 3D grade control smoother and more intuitive when project demands increase.

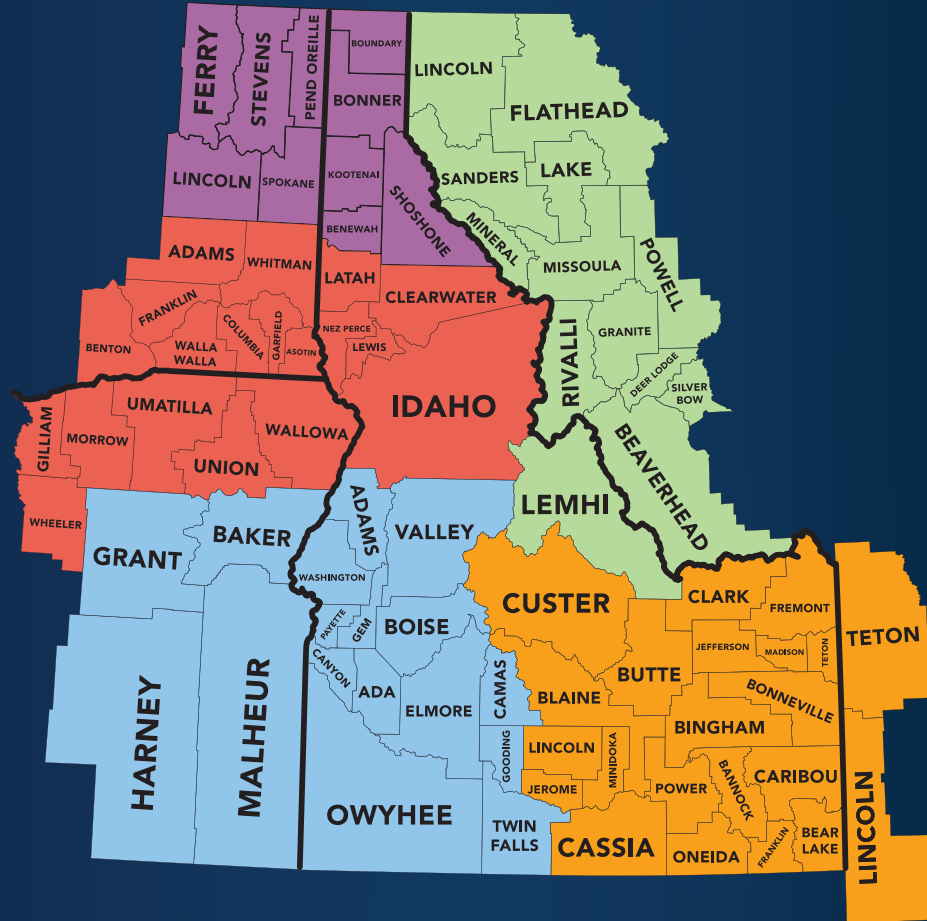
2D GEAR RENTAL

To keep things simple and eliminate barriers, we're integrating 2D technology directly into the Cat Rentals fleet. This approach removes the need for Worksite Solutions' involvement during initial deployment, allowing rental teams to meet customers where they are and get them up and running faster. As customers gain experience and see the value of 2D grade control firsthand, we encourage you to connect with our Worksite Solutions reps so we can follow up and help guide them toward the next step in their technology journey.

CONTACT LIST

Worksite Solutions Support Hotline: 866-485-7652 or WorksiteSupport@wseco.com
Sales Reps: See the technology territory map on the back page.

WORKSITE SOLUTIONS SALES COVERAGE TERRITORY MAP



JUSTIN McEWEN
 Worksite Solutions Sales Manager — Liberty Lake
 Justin.McEwen@wseco.com Cell: 208.401.5108

DARIN HUGHES
 Worksite Solutions Sales Rep — Pasco
 Darin.Hughes@wseco.com Cell: 509.492.6331

MITCH BRADSHAW
 Worksite Solutions Sales Rep — Meridian
 Mitch.bradshaw@sitech-ws.com Cell: 208.965.5931

JAMES DUARTE
 Worksite Solutions Sales Rep — Missoula
 James.Duarte@wseco.com Cell: 406.677.0594

STEPHEN ROBERTS
 Worksite Solutions Sales Rep — Idaho Falls
 StephenRoberts@wseco.com Cell: 208.816.1640



WesternStatesCat.com