

VISIONLINK™

FROM DIRT TO DATA
ACTIONABLE INSIGHTS FOR SMARTER DECISIONS



VISIONLINK™

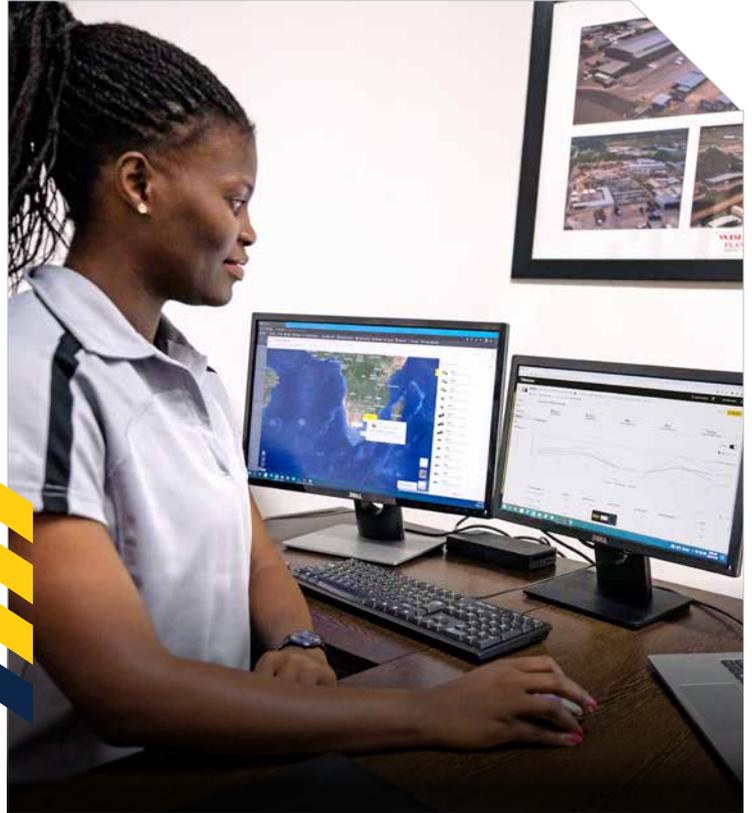
EQUIPMENT AND JOBSITE DATA AT YOUR FINGERTIPS

Unlock the full potential of your operations with VisionLink™, a powerful suite of digital tools that delivers actionable insights through equipment, productivity, operator, and safety management features.

VisionLink gives you the tools to eliminate guesswork and make confident, fact-based decisions, delivering the data you need to your desktop or mobile device.

It puts the information you need at your fingertips, so you can find opportunities to improve performance across your entire operation, regardless of your equipment manufacturer.*

Whether you have a fleet of just one or over a hundred, experience the clarity and confidence you need to drive your business forward with VisionLink.



MEASURE. MONITOR. MANAGE.

+ VISIONLINK CAN HELP YOU:

- Manage mixed OEM assets
- Track asset location
- Discover high idle times
- Estimate emissions
- Identify fault codes
- Predict maintenance
- Order parts
- Schedule service
- Analyze performance
- Boost productivity
- Reduce costs
- Enhance safety





01 EQUIPMENT

Equipment management features within VisionLink provide up-to-date asset tracking of your entire fleet. You can track asset location, operating hours, fuel level, health issues, and overall utilization.

Monitor equipment health with fault codes, fluid analysis, and inspection due dates. It's all about making informed, data-based decisions to help reduce unplanned downtime.



02 PRODUCTIVITY

Analyze overall jobsite performance using VisionLink's productivity features. You'll be able to track material moved, number of cycles, and idle events against your production targets, as well as grade, payload, and compaction data. These vital metrics help you to reduce costs and improve jobsite operational efficiency.



03 OPERATOR

VisionLink's operator features enable organizations to monitor and enhance the performance of both individuals and teams with precision and accuracy. By leveraging operator jobsite data collection and intuitive dashboards, VisionLink provides operators with valuable insights into equipment usage, productivity benchmarks, and safety practices.

With these tools, teams can pursue operational excellence and foster a culture of accountability and safety at every jobsite.



04 SAFETY

Manage everyday jobsite risks with the critical data and insights of VisionLink's safety features. With alerts and warnings, video playback, and more from Cat safety technologies, you'll have the visibility to drive continuous safety improvements. It all helps transform your safety practices and promote a culture of safety, responsibility, and awareness.

EQUIPMENT

EQUIPMENT FEATURES

With tracking of every asset in your fleet, the equipment management features within VisionLink empower you to make informed, data-based decisions to help reduce operating costs.



ENTIRE FLEET VISIBILITY



- Get actionable data insights for all assets, regardless of make.
- Manage mixed OEM fleets with a single interface.
- Diesel, gas and electric equipment.
- Construction equipment, engines, generators, on- and off-highway trucks.
- Owned, rented or leased assets.

ASSET TRACKING



- Track location, operating hours, fuel levels, health issues, and overall utilization.

HELP INCREASE UPTIME



- Monitor equipment health, fault codes, fluid analysis, and inspection due dates.
- Reduce unplanned downtime with critical alerts.
- Order parts and schedule service within the platform.

HELP OPTIMIZE UTILIZATION



- Manage by projects, groups, or geofences.
- Set utilization targets and monitor performance.

“BEFORE VISIONLINK, OUR EQUIPMENT MANAGEMENT WAS VERY REACTIVE.”

VisionLink has really improved our maintenance program, really reduced planned downtime, and maximized efficiency.”

**Anthony Guho,
Guho Corp, Idaho, USA**

EQUIPMENT DASHBOARDS

ASSETS DASHBOARD

View detailed asset information: Take your equipment management to the next level with an overview of each asset in your fleet. The Assets dashboard provides in-depth information on each asset's status, including hours, last known location, and more. You can customize the Assets dashboard with the most relevant metrics for your fleet. You can also browse specific date ranges to see a timeline for each asset.

Asset ID	Asset Name	Status	Start Date	End Date	Hours	Location
VLR00188 - CAT 816FII		Asset On	12/12/2022; 06:21 AM CST	06/15/2023; 02:47 AM CDT	14,451.6	8941 Cedar Road, Ladysmith, Ladysmit...
RD9083-777E OFF HI... VLD00180 - CAT 777E		Asset On	09/20/2022; 09:13 AM CDT	09/20/2023; 11:57 PM CDT	63.8	Delmas, South Africa
VL601270 - CAT 390...		Asset On	11/03/2022; 05:09 AM CDT	09/21/2021; 12:31 AM CDT	5,477.4	Division 10, Subdivision East
VLL03426 - CAT 140K		Asset On	02/07/2023; 07:42 AM CST	10/12/2021; 07:51 AM CDT	1,571.8	Lager, Powerville, Emfuleni Local Muni...
VLK00739 - CAT 745C		Asset On	11/14/2022; 08:50 AM CST	10/13/2021; 04:10 AM CDT	7,166.1	Gamagara, South Africa
VLK00309 - CAT 950...		Asset On	02/09/2023; 08:05 AM CST	10/23/2021; 03:17 AM CDT	14,513.7	Kungwini, South Africa
VLB00941 - CAT 773...		Asset On	02/06/2023; 08:01 AM CST	01/26/2022; 08:51 AM CST	4.7	15 Wrench Road, Isando, Kempton Par...
VLP00614 - CAT 12K		Asset On	02/15/2022; 09:53 AM CST	01/27/2022; 12:23 AM CST	1,242.1	Lager, Powerville, Emfuleni Local Muni...

MAP DASHBOARD

Track asset location and status: The Map dashboard shows the location and status of every asset in your fleet, on an easy-to-read map. With the Geofences feature, you can create custom map boundaries to track and report assets based on your needs.



UTILIZATION DASHBOARD

Visualize trends and performance metrics: The Utilization dashboard provides a high-level overview of idle time percentages, runtime hours, fuel burn, estimated CO₂ emissions*, and other machine performance metrics. Data is visualized in charts and tables, making it easier to identify trends, outliers, and patterns. It's all designed to make optimizing your assets and fleet easier than ever.

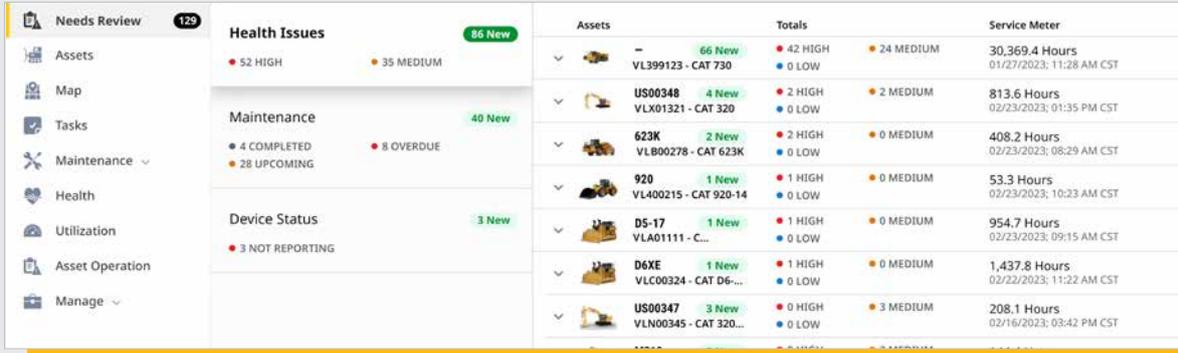


*CO₂ emissions calculated by fuel type for the total fuel burned each day in the selected date range:
 + Diesel (default) – 22.2 lbs per gallon or 2.6 kg per liter of fuel burned each day
 + Gasoline – 9.4 lbs per gallon or 2.3 kg per liter of fuel burned each day.

EQUIPMENT DASHBOARDS

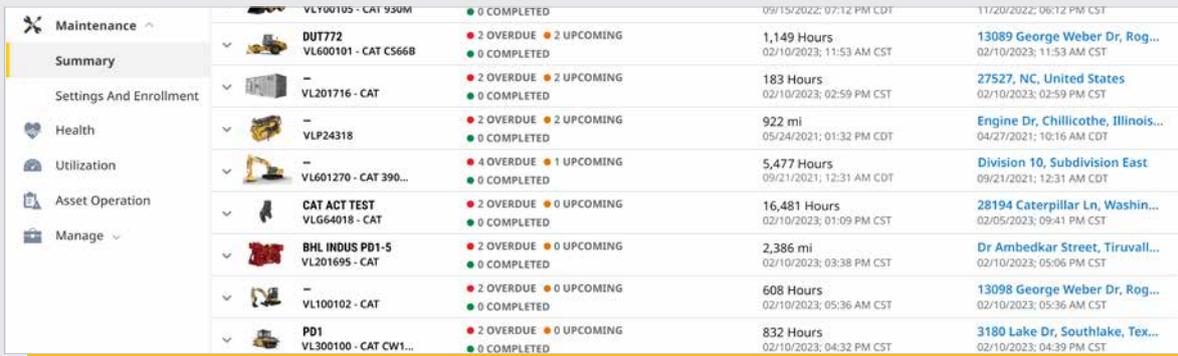
NEEDS REVIEW DASHBOARD

Centralize asset attention: The Needs Review dashboard is the single place in VisionLink where you can see assets that require attention daily. This allows you to plan any maintenance activities proactively. There's an overview of asset health and maintenance issues to help keep your equipment running strong. You'll also see information on recommendations, fault codes, fluid analysis, inspections, and more to help eliminate downtime and prevent costly repairs.



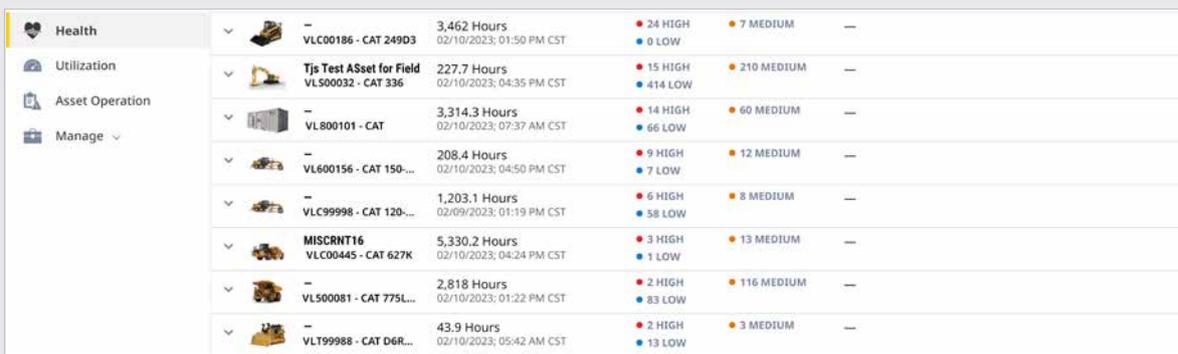
MAINTENANCE DASHBOARD

Streamline and schedule maintenance: The Maintenance summary dashboard provides an overview of maintenance needs for all assets managed in VisionLink. It streamlines your maintenance scheduling and makes it easy to buy the parts you need with integrated parts lists.



HEALTH DASHBOARD

Monitor and address asset health: The Health dashboard displays fault codes and fluid analysis results prominently above the inspection information for each connected asset. This layout makes it easier to identify and address issues early, helping keep assets operational and reducing the risk of costly repairs and downtime.



PRODUCTIVITY

PRODUCTIVITY FEATURES:

Productivity features within VisionLink provide a comprehensive overview of your entire operation. These tools help you identify trends and outliers while recognizing patterns to enhance efficiency. You can analyze data from all your machines alongside individual machine data, providing a detailed view of both machine and fleet cycles.



ANALYZE PERFORMANCE

Track material type and tonnage moved, fuel costs, and machine hours. View and analyze payload data and compare efficiency between shifts.



HELP IMPROVE EFFICIENCY

Review dashboards to identify and help remedy high idle time. Redeploy fleet based on hourly utilization updates. You can also use the data to determine the optimal cycle segments.



HELP INCREASE PROFITS

Identify instances of excessive fuel burn and implement ways to reduce unproductive idle time. Reduce costs by analyzing productivity metrics to improve jobsite efficiency. Monitor utilization levels to help optimize fleet size and makeup.



“WE’VE GOT ALL OUR DATA AND INFORMATION AT OUR FINGERTIPS.

It doesn’t take a lot to capture it or display that data back to the team, which then generates conversation about how to do it better. That’s our advantage.”

**Mika McLennon, Director,
MDM Mining and Civil, Australia**

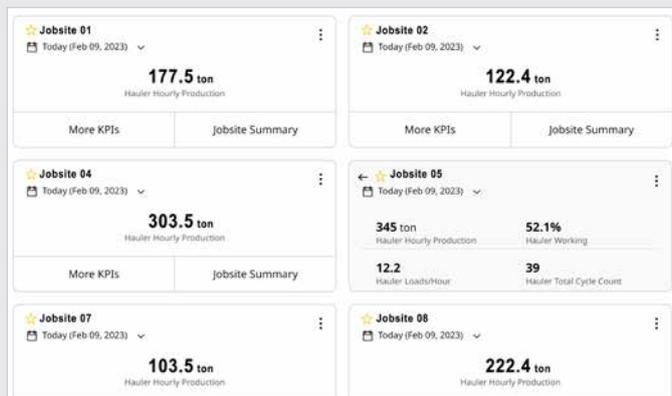
PRODUCTIVITY DASHBOARDS

JOBSITE DASHBOARD

Monitor production across jobsites:

The Jobsite dashboard summarizes production and utilization for all the jobsites you've created.

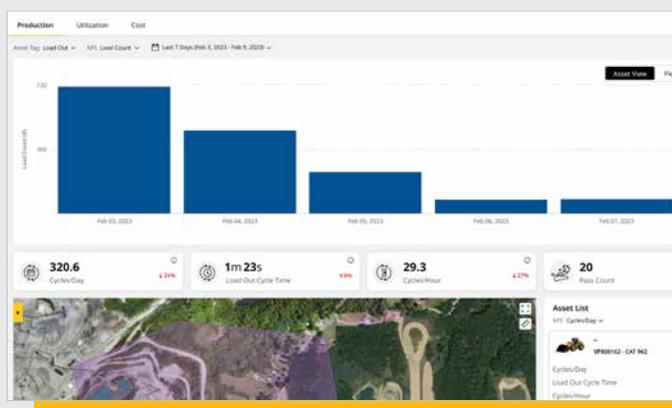
You can drill down to an individual jobsite and view the details at each location.



PRODUCTION DASHBOARD

Visualize production and asset data:

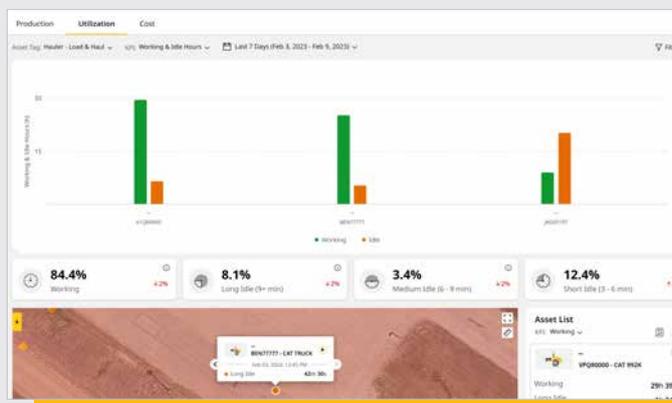
The Production dashboard provides an overview of a jobsite's operational efficiency. It offers detailed information about assets and fleets, along with a map that highlights specific zones you define, such as fill/dump for payload applications or cut/load for grading applications.



UTILIZATION DASHBOARD

Compare machine and fleet performance:

The productivity Utilization dashboard is a tool that enables you to compare the performance of individual machines and fleets at a specific jobsite. The dashboard displays information on machine time and fuel consumption during operational and idle periods. If utilization issues are identified, it allows for a detailed performance investigation.

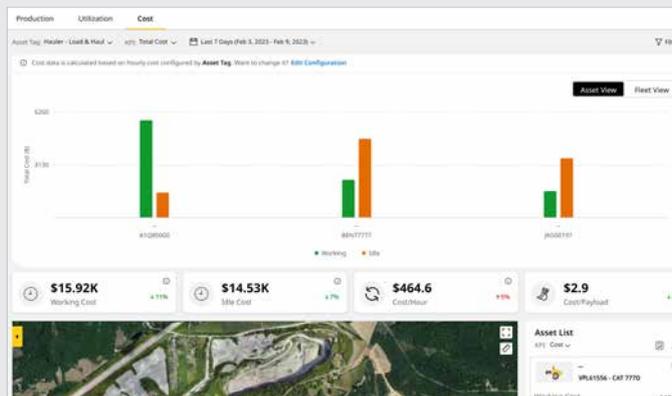


COSTS DASHBOARD

Analyze cost-related KPIs quickly:

The Costs dashboard gives an overview of key performance indicators (KPIs) related to costs, which can be further broken down by individual machines or the entire fleet.

By analyzing the dashboard, you'll be able to identify whether machines or jobsites are operating at higher costs than expected.



PRODUCTIVITY DASHBOARDS

CAT GRADE CONNECTIVITY

The screenshot displays the 'Remote Connect' dashboard in VisionLink. At the top, there's a search bar and a 'Refresh' button. Below, a table lists assets with columns for Asset, Status, Jobsite(s), and Grade Control Device. One asset is shown: MTTT0130-Z28 2024, Online, PRODUCTIVITY DEMO SITE, and Grade Control Device 0130J2024C Paired. A yellow triangle points to a menu icon for this asset. Below the dashboard, a 'Cat® GRADE' file explorer is shown, displaying a tree view of folders and files. The 'Designs' folder is selected, showing files like Entrance_Road.dsz, Drive_Road.vcl, Drive_Extended_SurfaceOnly.vcl, NorthDesign.V03.dsz, Staircase.V01.dsz, Drive_VP_Site01.vcl, and Site.V01.cal.

Asset	Status	Jobsite(s)	Grade Control Device
MTTT0130-Z28 2024	Online	PRODUCTIVITY DEMO SITE	0130J2024C Paired

Folder/File	Size
Projects	35.06 MB
Jobsite_01	4.53 MB
FieldData	0 B
OfficeData	4.53 MB
Designs	4.53 MB
Entrance_Road.dsz	2.27 KB
Drive_Road.vcl	2.27 KB
Drive_Extended_SurfaceOnly.vcl	2.89 MB
NorthDesign.V03.dsz	1.47 MB
Staircase.V01.dsz	1.06 KB
Drive_VP_Site01.vcl	161.42 KB
Site.V01.cal	982 B

Cat Grade Connectivity* within VisionLink allows you to remotely share 3D design files and updates to machines on a jobsite, eliminating the need for USB uploads.

Among other benefits, it helps minimize machine downtime by enabling remote diagnosis of grade-related issues.

The dashboard gives you a centralized view of 3D design files and updates for connected machines, streamlining data management and improving jobsite productivity.

- + Virtually transfer 3D design files
- + Configure machine Cat Grade Licenses
- + Leverage cellular GPS/GNSS corrections
- + Provide remote diagnostic support
- + Streamline data management
- + View grade & compaction data

*Grade Connectivity plan required. Availability may vary by region, consult your Cat Dealer for more details.

OPERATOR

OPERATOR FEATURES

VisionLink transforms operator management by integrating telematics, productivity tools, and mobile connectivity into one intuitive platform. Designed for construction and heavy equipment operations, VisionLink helps you onboard, monitor, and support operators efficiently - boosting productivity and safety across your job sites.



SIMPLIFIED ONBOARDING

Associated operators can be associated with specific machines using onboard Operator ID, enabling operator level visibility and accountability across dashboards.



PERFORMANCE INSIGHTS

View and compare operator performance KPIs across dashboards, including runtime, idle time, fuel usage, and payload/grade efficiency.



OPERATOR COACHING*

Real time coaching tips are delivered during machine operation to help operators improve efficiency, reduce fuel burn, and minimize machine wear.



CENTRALIZED MANAGEMENT

Operator information and machine associations are managed on a single platform, simplifying onboarding and scaling across fleets, sites, and regions.



**“BEFORE WE USED VISIONLINK,
WE WERE VERY MANUAL-DRIVEN.**

But now it's immediate. If there's an alert, we can action it immediately. We can look at problems in real time and fix them.”

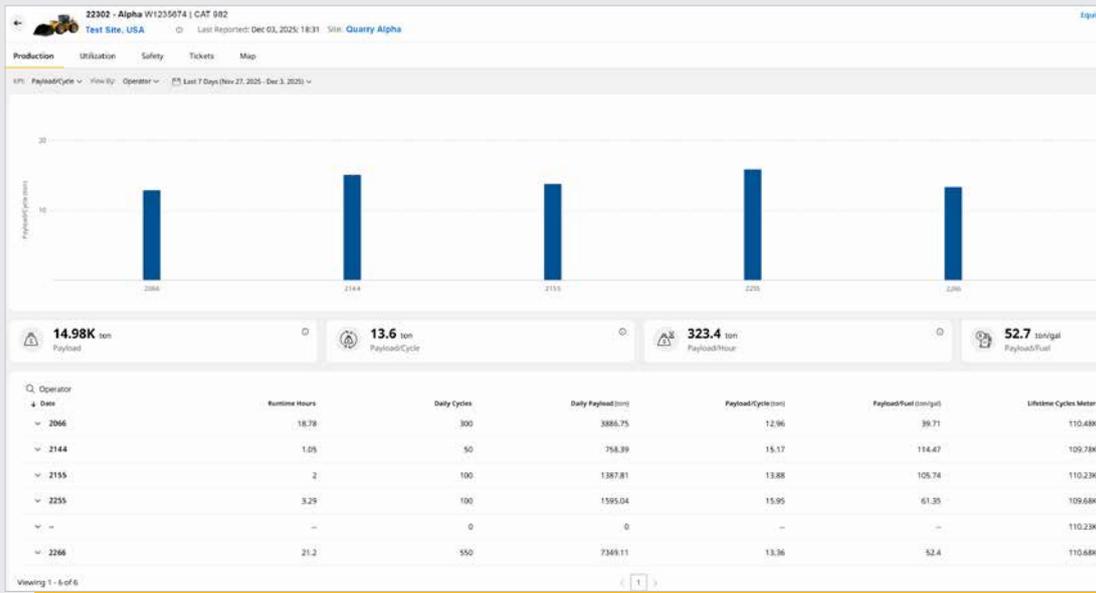
**Zane Baily, WBHO Construction,
Johannesburg, South Africa**



OPERATOR DASHBOARDS

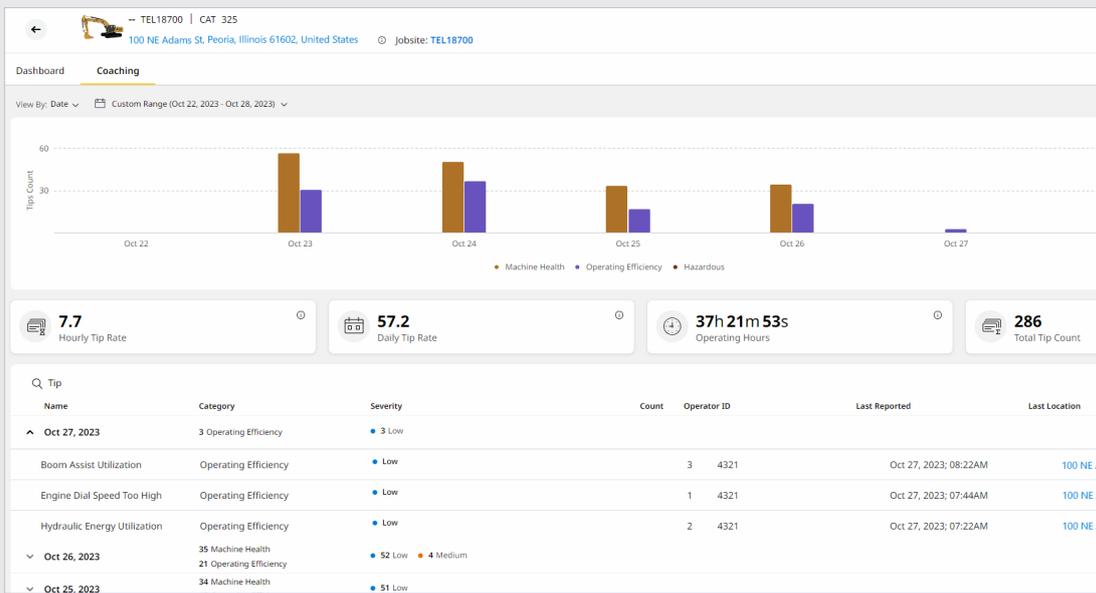
PRODUCTION & UTILIZATION DASHBOARDS:

Key operator metrics for performance insights: The Production & Utilization tabs go beyond machine-level metrics by incorporating operator-specific KPIs like runtime, fuel burn, and payload efficiency. It offers flexible views (by operator or date), interactive filters, and comparative analysis tools to help supervisors optimize both machine and operator performance.



COACHING DASHBOARD:

Coach operators for better results: The Coaching tab in the Assets dashboard lets you quickly gain insights into operator performance. Available on select Cat machines, this feature provides individual Operator Coaching tips triggered during machine operation. This feature can benefit operators of all levels by enhancing their skills, productivity, and efficiency.





SAFETY

SAFETY FEATURES:

Construction sites carry inherent risks that can jeopardize worker safety. By integrating Cat safety technologies into VisionLink, you can encourage ongoing safety enhancements, help prevent accidents, and promote a culture where everyone returns home safely every day.

Cat safety technologies are designed to enhance operator and jobsite safety by identifying and addressing fatigue and distraction events. These technologies generate valuable data that can transform safety practices and foster a culture of safety, responsibility, and awareness.

SAFETY DASHBOARD



SAFETY MADE SMARTER

VisionLink's easy-to-use dashboards and safety summary reports enable teams to identify trends and address compliance gaps. With tools such as safety heat maps, single-asset views, and jobsite analytics, organizations can quantify risks and implement corrective actions. By utilizing machine data, VisionLink empowers users to identify, mitigate, and manage hazards, fostering a safer work environment.



HELPS REDUCED INCIDENTS

Proactive monitoring and early intervention can help reduce workplace incidents and improve employee safety.



STRONGER SAFETY CULTURE

Data-driven insights foster accountability and continuous improvement, enhancing the organization's safety culture.



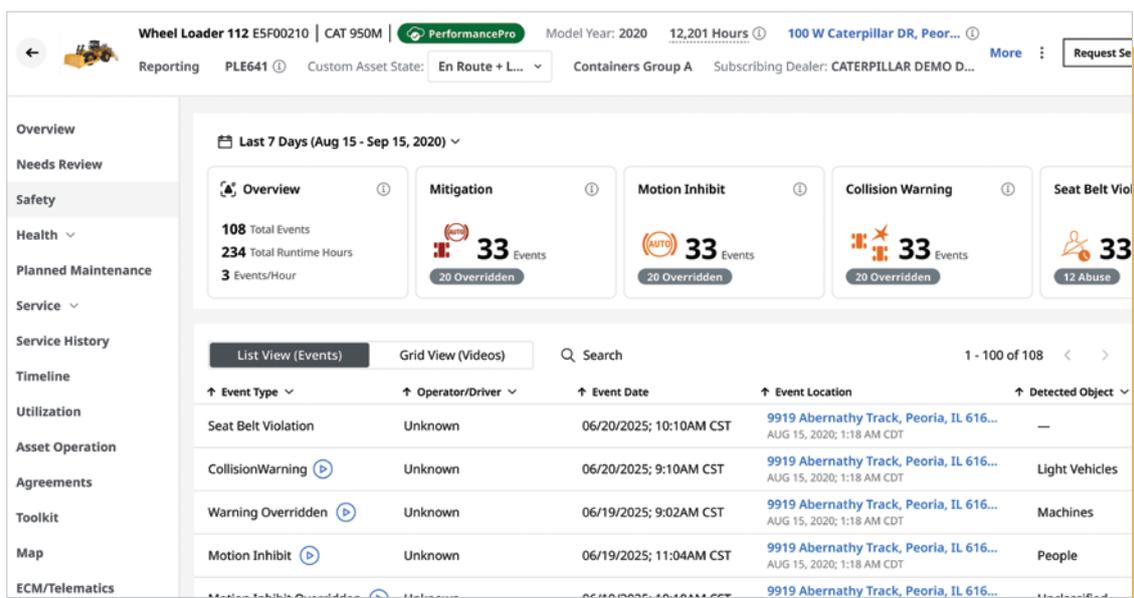
LOWER OPERATING COSTS

Minimizing downtime and avoiding accidents reduces operating expenses and protects company assets.



FASTER DECISION MAKING

Easy-to-use dashboards and real-time alerts support quick decisions to maintain safety and compliance.



SAFETY DASHBOARD:

Safety at a glance: The Safety tab provides a centralized view of critical safety metrics, including seat belt compliance, operator behavior, and detection events across all your jobsites. With easy-to-read site cards, you can quickly identify risks, track trends, and take proactive steps to protect your people and equipment.

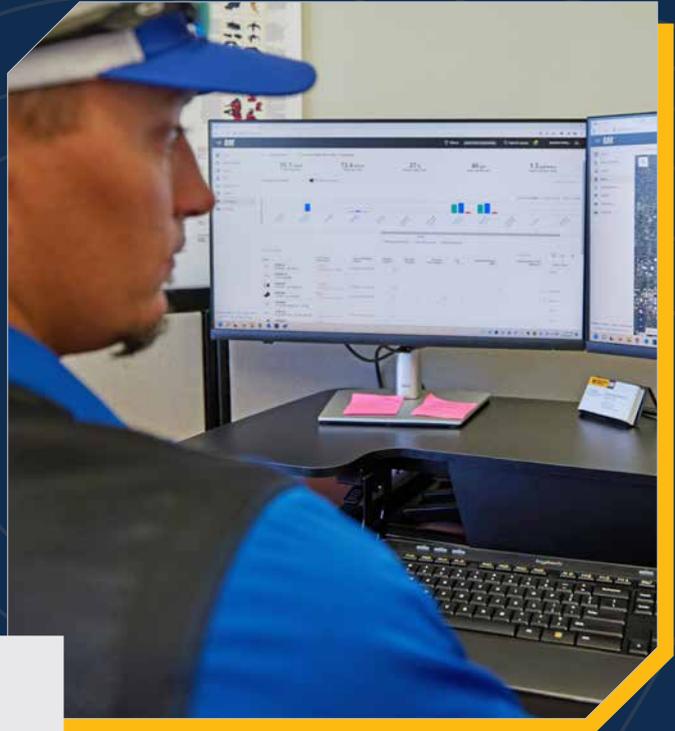
REPORTS

TURNING DATA INTO DECISIONS

By using the Reports feature in VisionLink, you can identify and take action on day-to-day, productivity, operator, and safety issues.

Reports provide you with fast and reliable data on your assets. It's all about helping you make informed decisions that can impact your bottom line.

Reports can be produced on demand or scheduled daily, weekly, or monthly. Export formats include CSV, XLSX, JSON, MXL, and PDF.



EASY TO USE



You can choose from an array of templates by reviewing what each report covers directly on the Reports page. Plus, you can customize any page to meet your business's needs.

INSIGHTS ON DEMAND



The Reports feature gives you the flexibility to schedule reports daily, weekly, or monthly, sent to your inbox at a time that suits you. You can also download any report from VisionLink in Excel, PDF, and other commonly used formats.

VISIBILITY FOR YOUR WHOLE TEAM



Easily filter your view on the Reports page by selecting "Show Only Mine" to view the reports you own. Alternatively, you can choose "Show All" to see all reports you own, reports you are subscribed to, and reports created by VisionLink users within your organization.

"BEFORE VISIONLINK WE WERE DOING A MANUAL PROCESS."

Spreadsheets, Excel sheets – it could take a week or two to find out that we had a fault with one of our machines. Now we're able to view that information right away in one piece of software."

**Clay Younce, Blattner Company,
Minnesota, USA**

TECHNICAL REQUIREMENTS

HOW TO GET CONNECTED

AVAILABLE ON THE FOLLOWING

VisionLink can be used with new and legacy Cat equipment and other OEM machines.*

Work smarter, faster, and safer with VisionLink. Easy-to-understand data and actionable insights give you the power to make informed decisions for your business at every step. Take your equipment management to the next level and see the potential for increased profitability and reduced operating costs.

Ready for simplified and valuable data for your fleet? Contact your local Cat dealer for more information.

STEPS TO GET STARTED

01 Contact your Cat dealer

To ensure the successful integration of VisionLink, consult with your Cat dealer during the setup process.

02 Connect your assets

For new Cat equipment, activate the built-in hardware. For older Cat assets and other OEM brands, install Product Link™ devices or integrate data from existing OEM or third-party telematics providers using APIs.

03 Choose a subscription

Obtain a VisionLink subscription (per machine). Your Cat Dealer can help determine the best subscription to fit your business needs.

04 Implement change management

Utilize data-driven insights by educating users on the platforms and implementing change management.

API INTEGRATIONS

VisionLink enables users to input and visualize data from various original equipment manufacturers (OEMs) and third-party telematics providers by integrating their application programming interfaces (APIs) in accordance with ISO (AEMP 2.0) standards. This integration allows you to consolidate comprehensive fleet telematics into a single asset management application.

Additionally, VisionLink facilitates outbound data sharing through customer-authorized API endpoints. These APIs securely integrate data directly into other business systems, such as enterprise resource planning (ERP) systems, dashboards, and other third-party applications.

Some of the supported providers include, but are not limited to:

OEM:

- | | | |
|----------------------|--------------|------------|
| + Bell-Fleetmatic | + Hyundai | + Liebherr |
| + BOMAG | + JCB | + Senquip |
| + CNH Industrial | + JLG | + Tadano |
| + Genie Lift Connect | + John Deere | + Takeuchi |
| + GEOTrac | + KOBELCO | + Volvo |
| + Hitachi | + Komatsu | + WIRTGEN |

THIRD-PARTY TELEMATICS PROVIDERS:

- | | | |
|--------------|--------------|----------------------|
| + Geotab | + MachineMax | + Trackunit |
| + Globalstar | + Powerfleet | + Trimble GeoManager |
| + LHP | + Samsara | + ZTR |



VISIONLINK MOBILE APP

The VisionLink mobile application brings the power of asset management into the palm of your hand. The mobile app allows you to access data on the go and in the field. Stay updated on key metrics, asset locations, fuel levels, and more on your mobile device.

Available for Android and iOS.





For more complete information on Cat products, dealer services and industry solutions, visit us on the web at www.cat.com.

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Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

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