



CAT[®] PRODUCTIVITY

Cat Connect Technology

Complete overview of machine performance and site production, so you can maximize productivity and efficiency.

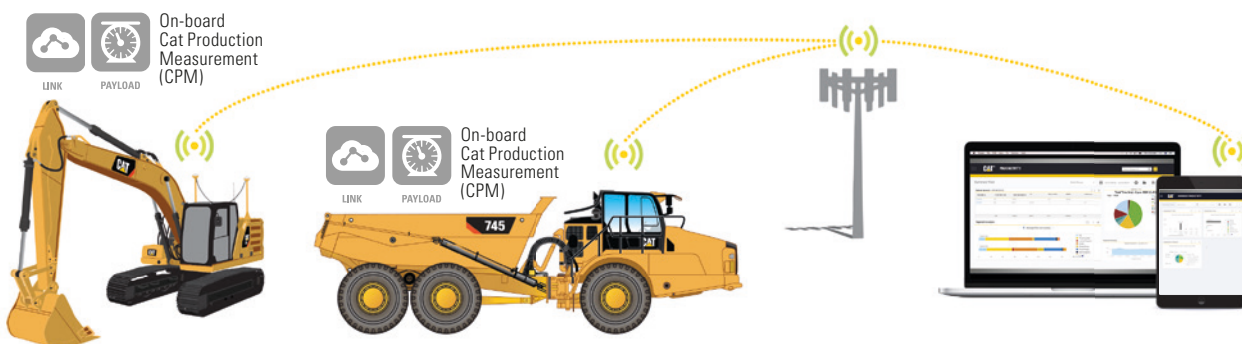
Cat[®] Productivity is a standalone web platform that you can access remotely through the internet. Detailed Cat Production Measurement data, machine data and jobsite data is transmitted from the onboard Cat Product Link™ device directly to the web platform. You can access the data at productivity.cat.com or via cat.com, from your mobile, tablet or desktop device, whether you're on or off the jobsite. With Cat Productivity you have access to:

Production reporting

- Track material types moved
- Identify trucks loaded
- Know the tonnage loaded
- Download detailed payload and cycle reports in PDF, Excel and CSV formats
- Schedule reports and dashboards to be delivered to your inbox

Cycle segmentation analysis

- Performance of segments within the cycle
- Fuel burn by application, and by individual parts of cycles
- Compare between shifts
- Profit optimization by reducing cost and fuel usage



Receive timely machine and jobsite data, wherever you are.

Cat Productivity helps deliver real benefits for your jobsite.

- Fuel burn reduction
- Cost reduction
- Improved productivity
- Optimized efficiency
- Improved utilization
- Payload reporting



CAT PRODUCTIVITY FOR CONSTRUCTION



TONNES PER UNIT OF FUEL?

EXCESSIVE MACHINE TRAVEL?

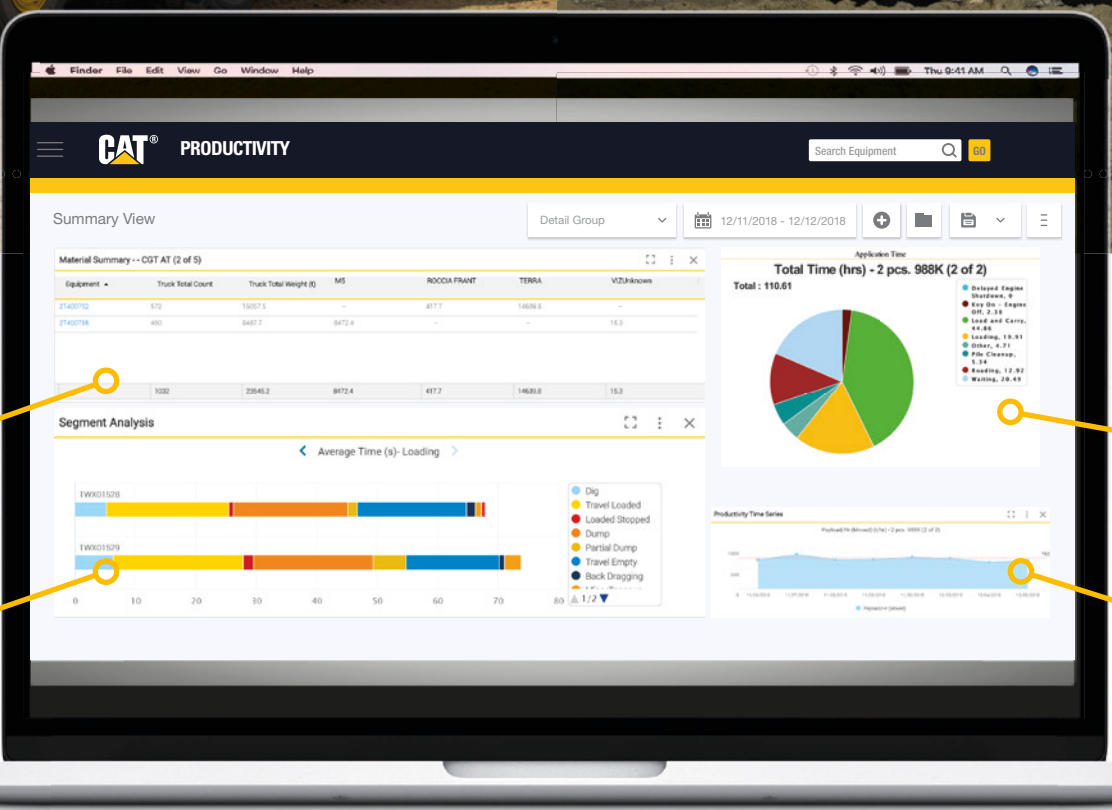
HIGH IDLE TIME?

BUCKET PAYLOAD AS EXPECTED?

TRUCK ID: XY123
MATERIAL: CLAY C2
OPERATOR: JOE
MATERIAL MOVED: AVG 15 BUCKETS PER TRUCK @ 1.76 TONNES

AVERAGE TRUCK CYCLE SPEED?

TRUCK EMPTY WAITING TIME?



MATERIAL SUMMARY

SEGMENT ANALYSIS

CAT PRODUCTIVITY FOR QUARRY



TOO MANY TRUCKS IN OPERATION?

TRUCK LOADED WAITING TIME?

TRUCKS QUEUING IN CRUSHER ZONE?

AVERAGE TRUCK CYCLE TIME?

CORRECT PASS MATCH?

PROPER PAYLOAD?

EFFICIENT TRUCK LOAD TIME?

EXCESSIVE LOADER DIG TIME?

TONNES PER HOUR AS EXPECTED?

LOADER CLEAN-UP TIME?

AVERAGE LOADING DISTANCE ACCEPTABLE?



APPLICATION TIME & FUEL

PAYLOAD PER HOUR & FUEL

Above diagram is a representation only.

Ask your Cat dealer about Cat Productivity technology for other industrial applications such as waste handling and recycling.

AVAILABLE ON THE FOLLOWING MODELS

Cat Productivity is available for the following machines equipped with CPM (Cat Production Measurement) system or TPMS (VIMS):

PAYLOAD & CYCLE SEGMENTATION

- **Cat Wheel Loaders:**
926M, 930M, 938M, 950M/L, 962M/L, 966M/L, 966M XE, 972M/L, 972M XE, 980M/L, 982M, 986K, 988K, 988K XE, 990K, 992K, and 994K
(Ask your Cat dealer about supported K Series serial numbers.)
- **Cat Off-Highway Trucks (Manual TPMS File Upload):**
770G, 772G, 773G, 775G, 777G + Older Off Highway Trucks with VIMS (contact dealer for availability and instructions)
- **Cat Off-Highway Trucks (Cellular Connected and Auto Upload):**
Available second half of 2019 for 770G, 772G, 773G, 775G, 777G, 773F, 775F, and 777F
- **Cat Excavators (Performance models):**
Available early 2019 for 320, 323, 330, and 336
- **Cat Articulated Trucks (with payload CPM system installed):**
Available early 2019 for:
730, 735, 740EJ, 740GC, and 745
C/C2 Series: 730C2, 730C2EJ, 735C, 740CEJ, and 745C
- **Cat Wheel Tractor Scrapers:**
621K, 627K, 631K, and 637K

Note: Payload accuracy depends on machine system, condition and calibration.

CYCLE SEGMENTATION ONLY

For machines with no payload CPM system installed.

- **Cat Articulated Trucks (without payload, no additional hardware required):**
Available early 2019:
730, 735, 740EJ, 740GC, and 745
C Series: 735C, 740CEJ, and 745C
B Series Articulated Trucks with standard machines (non-ejector) available mid 2019 (additional hardware required)
- **Cat G Series Scrapers** with standard Bowl (additional hardware required)

TECHNICAL REQUIREMENTS

Cellular connected machine/s:

- Equipped with CPM or TPMS
- TPMS-equipped machine must be eligible and might require additional hardware
- System calibrated and working
- Cellular Product Link™ Elite telematics system
- Machine must be within good cellular coverage
- Subscribed to VL Cat Essentials + Cat Productivity (per machine)

Manual VIMS (TPMS) file upload machine/s:

- Equipped with VIMS and TPMS Payload system
- System calibrated and working
- VIMS PC software and cable for manual download of VIMS files to local PC
- Subscribed to Manual Cat Productivity (per machine)
- Internet connection when uploading to Cat Productivity web application

Cat Productivity Web Application:

- PC or tablet (Android & iOS)
- Internet connection
- Subscribed machines in your customer account
- Cat customer login credentials (CWS login)

TECHNICAL FEATURES

Reporting frequency (for cellular-connected machines):

Cat Essentials VisionLink® subscriptions are available in hourly or every 10 minute update rates. Cat Productivity update frequency follows the VisionLink subscription frequency:

- Subscribing to hourly subscription will update Cat Productivity hourly
- Subscribing to 10-min subscription will update Cat Productivity every 10 minutes

Note: Machine must be started and in cellular coverage in order to update. Cat Productivity is available in many countries; please contact your dealer for availability in your territory.

Manual VIMS (TPMS) file upload:

Manual file upload is seamless, and will display production data for the period the subscription is valid for. If eligible and feasible, the machine can be upgraded to cellular connectivity at any time, allowing direct upload of the files.

**Want to get started with
Cat Productivity today?
Contact your local Cat dealer.**

2019. Cat Productivity V2.0.
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