CAT® WATER SOLUTIONS

CONNECT YOUR TRUCK – CONNECT YOUR SITE – CONNECT WITH WATER.

GET CONNECTED WITH CAT® MINESTAR™ TECHNOLOGY

A water truck may be one of the most important pieces of support equipment at your site. And the support you need is just as important. That's why Caterpillar is now offering a fully integrated water solution to control dust – backed by the global Cat® dealer network. Cat Water Solutions is more than a water truck. It's an integrated solution designed with an automated water delivery system, driven by a proven Cat truck platform, connected with advanced technology – providing a more efficient way to manage haul road dust with data-driven insights.

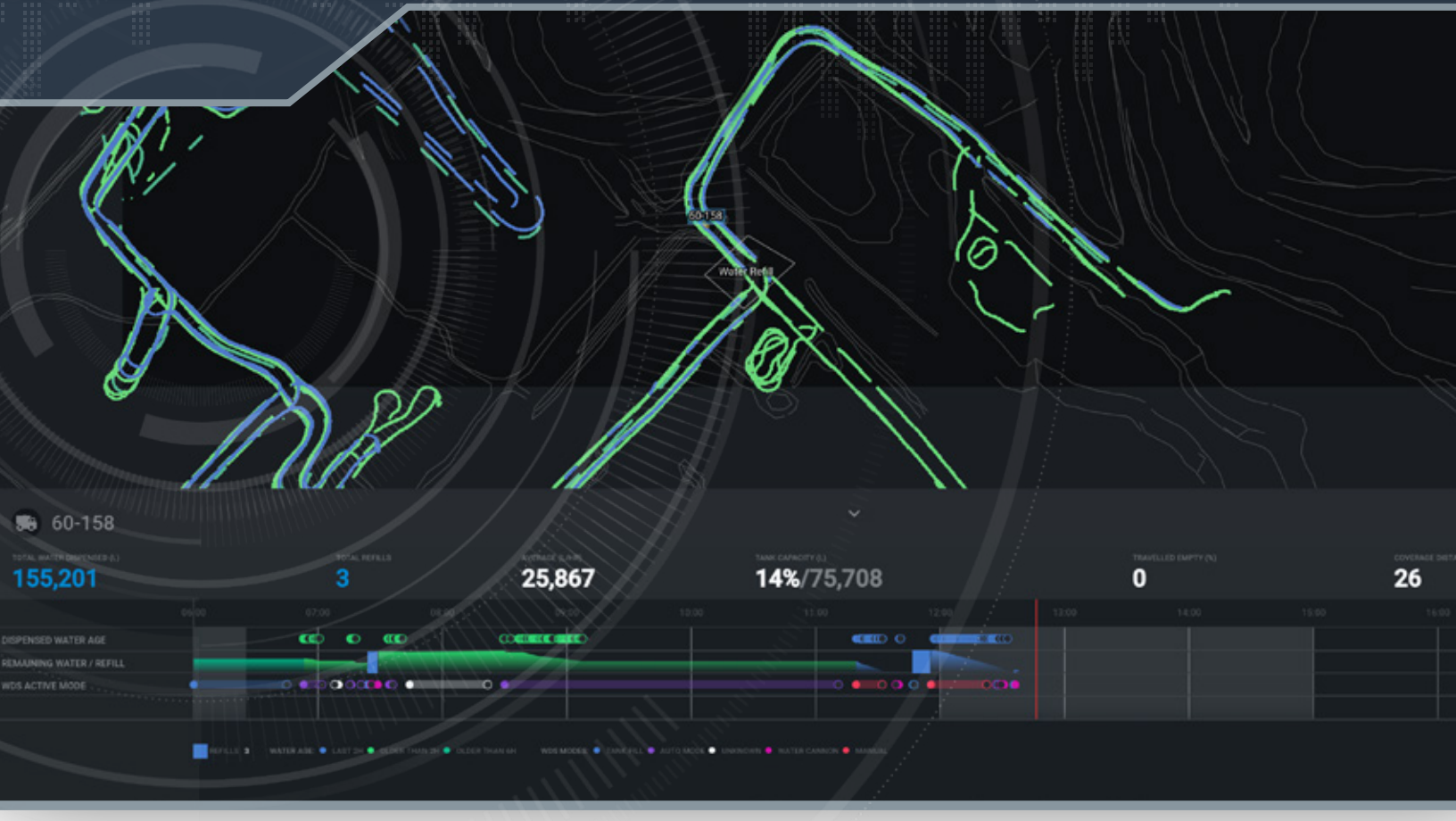
DEFEAT DUST. CONSERVE WATER. TAKE CONTROL.

Cat® MineStar™ creates an operational ecosystem for mining companies, bringing visibility to the entire operation. The Cat Water Delivery System (WDS) communicates with MineStar software to send water data and truck information to an online cloud-based application using a cellular or WiFi connection. This valuable information enables site managers to see what their fleet is doing, who is operating which machine, and how they are spending their time.

MineStar leverages Equipment Tracking to provide near-real-time data, eliminating the need for manual data input and tracking. View maps and dashboards of your operation to see how much your trucks are watering, where they are located, how much fuel they are using, and more. Plus, the light-weight MineStar cloud offering allows sites to start small, with the option to scale up to a full operational ecosystem.



MINESTAR DATA VISUALIZATION WITH MAPS AND DASHBOARDS



PROVIDING DATA-DRIVEN INSIGHTS TO MAKE MORE INFORMED DECISIONS.

These dashboards allows site supervisors to better understand machine and water utilization to deliver more value and a lower total cost of ownership for the entire operation. Using data, MineStar allows your personnel to quickly make operational changes that can positively affect the daily outcome, helping you meet production targets. The software and components are engineered to work as a system, enabling operators to reduce haul road dust more efficiently and help solve watering issues common with traditional water trucks. It's time to connect with a better solution to manage your site more safely, productively, and sustainably. **Take your site to the next level with Cat Water Solutions.**



CAT WATER SOLUTIONS

CHOOSE FROM 2 LEVELS OF CONNECTIVITY*

MineStar connectivity – along with Cat WDS – are standard offerings on all new 777 (07), 777 (05), 785 (04), and 789 (04) Cat Water Solutions trucks. Retrofit kits are also available for existing Cat water trucks to enhance their capabilities – turning them into a more advanced water delivery solution.

- **Connectivity includes data logging capabilities critical to minimizing safety-related liability.**
- **Water Solutions data can help customers meet regulatory requirements.**

BASIC CONNECTIVITY**

Equipment Tracking

Customer need:
"I need to know where my truck is located and when it's watering."

WHAT VALUE DOES IT PROVIDE?

Automates basic data collection, eliminating paper recording by the operator.

- Near-real-time and historical reporting.
- Truck location and utilization data:
  - Routes.
  - Starts and stops.
- Fuel and water level.
- Whether or not the truck is spraying water.
- Water Delivery System utilization. (auto vs. manual mode)

WHAT IMPROVEMENTS DOES IT DRIVE?

- Improved operator productivity
- Improved water spray utilization

PREMIUM CONNECTIVITY

Equipment Tracking + Production Recording

Customer need:
"I need to understand fuel utilization, water cycle duration, and how much water the truck is using."

WHAT VALUE DOES IT PROVIDE?

A comprehensive reporting package with more data and detailed reports to help mine managers and operators improve watering techniques and efficiency.

- Water usage by truck/fill station.
- Volume of water output over time and area covered.
- Water distribution rate, water delivery system setting by location, truck, and conditions.
- Activity breakdown including time and distance. (watering, not watering, stopped, etc.)
- View and export at least 8 weeks of historical data.
- In-cab reporting to operator on water coverage & need.

WHAT IMPROVEMENTS DOES IT DRIVE?

- Improved operator productivity
- Improved water spray utilization
- Lower water costs
- Improved cycle time

**Based on equipment connectivity via WiFi or cellular data. **Basic Connectivity Package comes standard with a 6-month complimentary service-based offering.*

CAT WATER SOLUTIONS MINESTAR CONNECTIVITY FEATURES*	LEVEL 1: BASIC** Equipment Tracking	LEVEL 2: PREMIUM Equipment Tracking + Production Recording
Near-real-time and historical reporting.	●	●
Truck location / utilization data: routes, starts, and stops.	●	●
Fuel and water level.	●	●
Whether or not the truck is spraying water.	●	●
Water Delivery System Utilization: Auto Mode vs. manual mode operation.	●	●
Home Page View.	●	●
Home Page View with Cumulative and Hourly graphs.		●
Water Distribution Map.		●
Volume of water put down over time and area covered.		●
Water distribution rate, water delivery system setting by location, truck, and conditions.		●
Activity breakdown including time and distance: watering, not watering, stopped, etc.		●
Water dispensed by time/rate and mode, last 5 water activities, water dispensed by age.		●
View and export at least 8 weeks of historical water activity data.		●
Replay provides the ability to review and replay shifts by selecting a historical date and time. Review water level, pump on/off, heads on/off, cannon on/off, WDS Mode (Manual or Auto Mode), and coverage rates.		●
In-cab reporting to operator on water coverage and need.		●

For more information, contact your local Cat dealer or visit Cat.com/WaterSolutions

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