



managing your mobile resources



Mobile Solutions

TrimView AGG

AGGREGATE SOLUTION BRIEF



# TrimView AGG

## AGGREGATE SOLUTION BRIEF

The TrimView™ AGG solution allows aggregate haulers to more efficiently manage their fleets and experience significant productivity gains. Managers and dispatchers know where their trucks are and what they're doing in real time, and can run management reports to analyze where time is being spent in the delivery cycle. The solution is also applicable to block, bulk hauler, drywall and other delivery operations.

This Solution Brief gives operators an introductory knowledge of the components that make up the TrimView AGG solution, how the solution works, and where it can add value to daily operations.



### THE SOLUTION

#### HARDWARE

The hardware mounted in the truck includes the TrimFleet™ Mobile Data Unit (MDU) with GPS and wireless antennas and an optional TrimFleet Mobile Data Terminal (MDT). The MDU provides position and wireless communications, and the MDT provides driver messaging capabilities. The detection of unload events requires a connection to the truck's Power Take Off (PTO) switch or another indication of unload. For example, in the case of a forklift truck, a connection to the forklift is made to indicate when the forklift has been unloaded from the truck. In some cases additional sensors may be required; for example to detect the opening of an air-actuated belly dump gate.

#### USER APPLICATIONS

The TrimView AGG user interface provides applications that can be used by a dispatcher or manager to monitor truck status and extract relevant information. These applications include mapping, messaging, reporting, status tracking, and history playback.

#### REPORTS

The reporting application provides vehicle and fleet reports relevant to aggregate and related industries. These reports include Plant Detail, Cycle Summary, Cycle Time Detail, and Cycle Duration Detail reports.

An example of the Aggregate Cycle Time Detail Report is shown below.

Cycle	Action Plant	Arrive Load Area	Depart Load Area	Depart Plant	Arrive Job	Begin Unload	End Unload	Depart Job	Return Plant	Return to	Net Weight (lbs)	Trip Miles	Loaded Miles	Trip Miles	
1-1	08:00 AM	08:05 AM	07:15 AM	07:15 AM	07:25 AM	08:01 AM	08:42 AM	08:42 AM	08:48 AM	Roberts Quarry	57572	7.4	5.8	133.8	
2-1	08:40 AM	08:45 AM	08:01 AM	08:01 AM	08:09 AM	08:18 AM	08:19 AM	08:19 AM	08:28 AM	Roberts Quarry	57572	6.5	5.0	88.8	
3-1	08:35 AM	08:38 AM	08:28 AM	08:28 AM	08:47 AM	08:54 AM	08:53 AM	08:53 AM	08:58 AM	Roberts Quarry	57572	6.3	5.0	88.8	
4-1	08:58 AM	08:58 AM	10:15 AM	10:15 AM	10:42 AM	10:47 AM	10:49 AM	10:54 AM	11:21 AM	Roberts Quarry	57572	24.8	11.2	322.4	
5-1	11:32 AM	11:32 AM	11:38 AM	11:40 AM	11:48 AM	11:51 AM	11:52 AM	11:53 AM	11:58 AM	Roberts Quarry	57572	6.4	5.0	88.8	
6-1	11:58 AM	11:58 AM	12:04 PM	12:04 PM	12:10 PM	12:18 PM	12:17 PM	12:17 PM	12:28 PM	Roberts Quarry	57572	6.2	5.0	88.8	
7-1	12:28 PM	12:28 PM	12:31 PM	12:31 PM	12:37 PM	12:40 PM	12:42 PM	12:42 PM	12:48 PM	Roberts Quarry	57572	6.3	5.0	88.8	
8-1	12:48 PM	12:48 PM	12:58 PM	12:58 PM	01:08 PM	01:09 PM	01:10 PM	01:11 PM	01:51 PM	Holmes Quarry	57572	34.8	3.1	88.2	
<b>Summary:</b>											<b>Count:</b>	<b>8</b>	<b>6</b>	<b>8</b>	<b>8</b>
<b>Totals:</b>											<b>608576</b>	<b>87.8</b>	<b>50.8</b>	<b>644.2</b>	
<b>Avg Cycle:</b>											<b>67572</b>	<b>11.0</b>	<b>6.1</b>	<b>118.0</b>	

  

Cycle	Action Plant	Arrive Load Area	Depart Load Area	Depart Plant	Arrive Job	Begin Unload	End Unload	Depart Job	Return Plant	Return to	Net Weight (lbs)	Trip Miles	Loaded Miles	Trip Miles	
1-1	01:53 PM	01:53 PM	01:59 PM	01:59 PM	02:22 PM	02:24 PM	02:25 PM	02:26 PM	02:03 PM	Holmes Quarry	57572	20.5	10.2	205.8	
2-1	02:02 PM	02:04 PM	02:18 PM	02:18 PM	02:34 PM	02:34 PM	02:35 PM	02:37 PM			57572			102.0	
<b>Summary:</b>											<b>Count:</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>2</b>
<b>Totals:</b>											<b>115144</b>	<b>20.5</b>	<b>10.2</b>	<b>205.8</b>	
<b>Avg Cycle:</b>											<b>57572</b>	<b>20.5</b>	<b>10.2</b>	<b>205.8</b>	
<b>Overall Totals:</b>											<b>723720</b>	<b>108.3</b>	<b>61.0</b>	<b>850.0</b>	



## managing your mobile resources

The Live Map is a real-time display of all selected vehicles on a map. The vehicles and home sites are listed on the left and the map is displayed on the right.



## WHAT TrimView AGG DOES

### INTEGRATION WITH DISPATCH

For customers who use third-party dispatch software, the autostatus information from the TrimView AGG system can be passed to the dispatch software automatically.



TrimView AGG allows operators to track the location and status of every aggregate and block truck in their fleet. The GPS receiver within the TrimView AGG MDU determines the position of the truck and transmits that position to the high-security; high-reliability Trimble Mobile Solutions Data Center. Dispatchers and managers then utilize the TrimView AGG solution to view and track their trucks.

In addition to knowing where your trucks are at all times, TrimView AGG provides a status of the vehicle. The solution is configured with the location of each plant and a loading zone within each plant. When the truck stops inside the loading zone, it is assumed that the truck is being loaded. To confirm this, Begin Load and End Load events are reported, as is the departure from the plant site.

When the truck arrives at its delivery destination, the activation of the PTO switch or the opening of a dump gate is the trigger for the Unload event reporting. TrimView AGG also keeps track of when the truck first stopped within a job site at the unloading point to accurately report job site arrival times. Similarly it reports "End Unload" when the PTO is turned off, and "Depart Job" when the truck leaves the job site.

All of the events are reported to the user in real time. Event times are used to generate reports that allow operation managers to see where time is being spent on each delivery. The reports generated within TrimView AGG also compute averages, for example, operation efficiencies at a particular plant can be compared to efficiencies at other plants. Net weight can also be included in the management reports if the driver enters the tare and gross weights via the MDT.



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Note that TrimView AGG logic is intended for operations with known loading areas. For operations where loads may be picked up at random locations, the TrimView AGG system can still add significant value by reporting the truck's location and directly reporting PTO or other sensor activation events.

#### FOR MORE INFORMATION

For information on the Trimble Mobile Solutions TrimView AGG system, call 1-800-525-3045. You can also visit us on the web at [www.trimble.com](http://www.trimble.com).

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