

## KEY FEATURES

### TOUCHLESS DATA MANAGEMENT

Electronic timesheets and utilization data need to be captured daily to be truly useful. With remote operations, it's not likely the equipment supervisor can get out to every machine every day to pull data. ALDATA's TAGASIS system transfers data to and from the field by satellite.

The system also includes a utility that allows anyone, regardless of their computer literacy, to update onboard software and perform other maintenance tasks simply by inserting a computer disk on key into the box. Turn it on, and the box will process the upgrades automatically without further intervention.

### RUGGED OPERATIONS

The onboard unit has been field tested for ruggedness, to withstand the dust, vibration and temperature extremes common to harvest equipment. Both the box and display will operate to -40C.

### MULTI-PURPOSE AND EXPANDABLE

TAGASIS is an enabling technology rather than a single-use system. ALDATA uses an actual onboard computer with enough processing capacity and data storage to run multiple computer programs, and more sensor inputs available to let us capture more data through the same box as your need for more information from your equipment grows.

## HOW IT WORKS

The onboard unit is wired into power on the machine, and to the ignition. When the ignition turns on, the system starts, calibrating itself to the machine's "idle" state.

### OPERATOR LOGIN

The system will request the operator to log in using his secure ID and/or password. All records created while he is logged in will be tagged with his ID. (The system will begin recording activity – starts and stops – without a login.)

### ACTIVITY MONITORING

Once TAGASIS is running, it records all changes between "work" and "stop" state. It reads from a set of work codes and stop reasons you set up through ALDATA's web site, and prompts the operator to select a work reason or stop code each time he changes from one state to another.

- **Electronic Timesheets**
- **Equipment Utilization**

You can set up as many codes as you need to manage your business effectively. If you change/add a reason or code once the unit is in the field, TAGASIS will send the update out to the unit via satellite.

When the ignition is turned off, TAGASIS records a shutdown in the activity file.

### SATELLITE TRANSMISSION

TAGASIS sends its activity files back to ALDATA's web site via the ORBCOMM low-earth orbiting satellite network.

## WEB-BASED REPORTING

With web-based reporting, you can access your data simply and easily. You can run a variety of reports for one or more machines, for whatever date range you want. For Electronic TimeSheets, you define the work day, or view your reports from Login to Logout.

Filter: Unit  =  Display  records per page.

### Work Stop Reason Summary Report

Unit	Stop Type	Reason	# of Stops	Duration	Hours
FC18	Operational Delays	Waiting for Skidder	14	4h 19m	4.33
FC18	Operational Delays	Wait for truck	4	2h 42m	2.70
FC18	Operational Delays	Wait for wood	2	2h 52m	2.88
FC18	Planned Delays	Change Chains	3	48m	0.80
FC18	Repairs	Change Knives	1	25m	0.42
FC18	Repairs	Repairs-Engine	1	13m	0.23

Records stops and prompts for reason

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## OPTIONS

### GPS TRACKING

The satellite modem contains an integrated GPS receiver that feeds back to ALDATA's web site to tell you where your equipment is. You can even send it a message to ask it where it is.

### ELECTRONIC LOADSLIPS

The addition of ALDATA's Custody Manager software and a ticket printer allows you to create bar-coded loadslips and an electronic record of loads leaving the woods. The electronic load records are sent back via satellite in near-real-time. The integrated GPS stamped on the load record helps to prove where the wood was harvested.

## COMING SOON!

- Onboard Mapping/Navigation



1-800-575-6137  
[www.aldatasoftware.com](http://www.aldatasoftware.com)

## Have you got an IDEA?

*We're always looking for industry partners! If you've ever thought about data you'd like to collect on your machines – but can't because of technology limitations -- give us a call. A custom-built application of the TAGASIS system may give you the edge you've been looking for!*