



Forest Management

Intelligent, integrated logging machinery and vehicle management with theft protection for harvested timber

Are you certain that your harvested timber still lies where it's stacked?

Due to rising energy costs, there has been a significant increase in thefts of harvested timber. Until now, it has been economically unfeasible to monitor every woodpile. ENAIKOON has developed a simple to use but highly effective device, the locate-18, to monitor the harvested timber. The small device is hidden in a hole drilled at the end of a log in each pile. In the event that any log in the pile is moved without authorization, an alarm is immediately sent with the real-time location of the stolen timber. This makes it possible to track the theft from woodpile to sawmill and allows the police to catch the thieves in the act.

Additionally, hidden infrared lights and cameras can be installed to automatically take photos for court-admissible identification of the thieves.

Before the timber harvesting even begins, ENAIKOON's telematics solutions positively influence important decisions because forestry requires precise planning on the part of the contractor. The logging sites are often scattered, therefore making it economically advantageous to coordinate the arrival and departure times of trucks, just like it is important to remember scheduled maintenance activities. The solution provided by ENAIKOON collects precise machine information to discover the inner workings of your operations. For example, knowing if your timber harvester is still lying on the trailer or is it in operation on the correct worksite. This system functions similarly with the operations of the forwarder or the logging trucks. Also, the permanent collection of machine data allows for optimised planning for maintenance intervals and refueling operations.

The ENAIKOON telematics solution offers:

Harvested timber monitoring

The ENAIKOON locate-18 tracking device offers the following:

- vibration monitor to detect the movement of the timber with configurable sensitivity
- GPS receiver for continuous location information
- SIM-Card for sending alerts and location information
- battery-life guaranteed for at least one year

Harvesters, forwarders, and logging transports

The ENAIKOON locate-04 offers numerous possibilities to monitor machines, vehicles and employees:

- machine data monitoring
- determining hours of operation
- anti-theft
- employee surveillance

Personnel identification system

The ENAIKOON driver-id is a valuable complement to the locate-04. It offers:

- time recording and billing of mobile employees
- assignment monitoring: who had operated which vehicle or machine

The telematics solution from ENAIKOON provides the complete timber harvesting process in detailed form: from the route-planning of the haulers to the nearest pickup or of the operation hours of the harvesters. Idle times and actual working hours as well as logging the presence or absence of the machine operator. Set in relation to the harvested timber meters and the operations of the respective machine, the productivity of crews and machines can be accurately determined. This also applies to the forwarders and logging trucks.



Map data: [OpenStreetMap](#) | [ODbL 1.0](#), Tiles CC-BY-SA 2.0

The prevention of theft of the forestry machinery and vehicles is ensured through Geofence monitoring, where you create a virtual fence around your machines area of operation and the ability to remotely shutdown the vehicle in case of theft. Also, the module detects the attempts of fuel thieves and while immediately sending alarms.



ENAIKOON's telematics overview

- offering a large selection of different telematics modules, creating customised solutions for almost any possible application
- wireless communication in real-time so you always know what's going on
- powerful and secure web-based solution with:
 - no software installation required
 - data retrieval via any web browser or on your mobile phone
- automatic e-mail and text message reports for ease-of-use
- evaluations put you in the know: driver log-book, daily and weekly reports about individual drivers or equipment, break times, and speed profiles

Easy-to-use technology

- installation of the device within minutes
- maintenance-free operation with detailed manual
- hotline with local call charges

Useful add-ons

ENAIKOON driver-id

An inexpensive personal identification system, that can be used for myriad applications, including, but not limited to, allocation control.

- time recording and billing for mobile workers
- allocation control: identify who provided what task with which vehicle



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