



## ENAIKOOON limit-checker

Threshold value monitoring for vehicles / construction machinery with alert function

ENAIKOOON limit-checker is a software module that is integrated into ENAIKOOON fleet-control-web.

This software module provides extensive threshold value monitoring which now, in addition to the now well-known and popular positioning functions, also includes an extensive overview of all service intervals and operating times. Since regularly recurring as well as predefined fixed dates, as well as kilometre-dependent and hours of operation dependent events can be taken into consideration, self monitoring and employee monitoring becomes much easier to handle without investing any additional time.

With a freely-definable pre-warning and main alert, the employees in question are informed of an upcoming measure. If no action is taken after both alerts, for example no service or no replacement of fluids for the vehicle or construction machinery in question, the supervisor can then be informed using a so-called chief alert. All alerts are sent as emails by default and can also be sent optionally as text messages to the employee's mobile phone.

### Scope of services

The following types of threshold values can be monitored:

- > **Monitoring of operating hours:**  
For most construction machinery and for many vehicles, as well as for individual machines, there are a multitude of measures that must be taken in addition to service work which are dependent on the respective number of hours of operating. ENAIKOOON limit-checker makes it possible to monitor the hours of operating of mobile items to this end.
- > **Monitoring of mileage:**  
Important maintenance procedures such as changing the tyres or oil, for example, are often dependent on the number of kilometres a vehicle has driven. The ENAIKOOON limit-checker can monitor the total mileage of vehicles and give the persons in charge respective notification of upcoming service work or the due sale of the vehicle.
- > **Monitoring of recurring events:**  
If specific events, such as a major inspection or the annual exhaust-emission test, always recur at regular intervals, then simply define a starting time as well as the length of the interval between two target dates and you will then be promptly informed by the system.
- > **Monitoring of unique events:**  
Obtain a reminder of different one-time events that you can define yourself with a description and date, for example the end of contracts.

Construction machinery warnings, Operating hours digital input 4												
Actual operating hours digital input 4: 0 (2)												
Add	Delete	Chief alert at threshold (hours)	Main alert at threshold (hours)	Pre-warning at threshold (hours)	Comment on alert profile	Chief alert date	Main alert date	Pre-warning date	Actual value (hours)	Finished at value	Comment on supervised value	Finished
<input type="checkbox"/>	<input checked="" type="checkbox"/>	1210	1200	1160	DigIn 4 monitored				0		oil change completely	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	1310	1300	1250	DigIn 4 monitored				0		check of oil- and air filter	
Construction machinery warnings, Mileage												
Actual mileage in km 69,174.6 (2)												
Add	Delete	Chief alert at threshold (km)	Main alert at threshold (km)	Pre-warning at threshold (km)	Comment on alert profile	Chief alert date	Main alert date	Pre-warning date	Actual value	Finished at value	Comment on supervised value	Finished
<input type="checkbox"/>	<input checked="" type="checkbox"/>	80500	80000	78000	Tire change every 80,000.0 km				69,174.6		Tire change every 80,000.0 km; check wheel nuts!!	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	160500	160000	158000	Tire change every 80,000.0 km				69,174.6		Tire change every 80,000.0 km; check wheel nuts and	
Construction machinery warnings, Unique event												
Actual date: 10/03/2010 16:55 (3)												
Add	Delete	Chief alert date	Main alert date	Pre-warning date	Comment on alert profile	Chief alert date	Main alert date	Pre-warning date	Actual date	Finished at date	Comment on supervised value	Finished
<input type="checkbox"/>	<input checked="" type="checkbox"/>	25 / 03 / 2010 16 : 50	24 / 03 / 2010 16 : 30	24 / 03 / 2010 16 : 20	Expiry of leasing period				10/03/2010 16:50	10/03/2010 16:55	Expiry of leasing contract stage 1	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	25 / 03 / 2010 16 : 51	24 / 03 / 2010 17 : 30	24 / 03 / 2010 16 : 20	Expiry of leasing period				10/03/2010 16:52	10/03/2010 16:55	Start of new leasing contract stage 1a (main alert)	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	12/03/2010 16:00	12/03/2010 16:00	10/03/2010 16:52	Expiry of leasing period				10/03/2010 16:52	10/03/2010 16:55	Payment deadline (chief alert)	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>				Expiry of leasing period				10/03/2010 16:52	10/03/2010 16:55	Finalization of new leasing contract (main alert = chief	<input type="checkbox"/>

## Alerts

- Sent to previously-defined email addresses
- Each alarm can be sent to up to five email addresses

## Alert levels

- **Pre-warning:**  
message to accountable persons such as, for example, the driver, machine operator or fleet manager
  - > At a freely-definable time
  - > With a freely-definable time period before occurrence of the event
  - > Storage and display of a measures plan
  - > Simplification of punctual planning of measures
- **Main alert:**  
Notification of the occurrence of the event to accountable persons
  - > Of the time of the occurrence
  - > With information on the vehicle/construction machinery, reason for main alert, etc.
  - > Identification of completion after execution of the measure
- **Chief alert:**  
Third notification level if the alarm is not identified as completed or deleted after a pre-warning and main alert
  - > At a freely-definable time / time period
  - > Possibility for supervisors to monitor the correct handling of alerts

## Threshold value types

There are four different types of threshold values in order to meet all requirements.

- **Operating hours:**  
time of alarm dependent on reaching the defined hours of operation
- **Mileage:**  
time of alert dependent on reaching the defined mileage
- **Unique event**
- **Recurrent event**

## Defining threshold values

Threshold values are the basis for all subsequent settings within ENAIKOON limit-checker. The following data must be entered:

- Name of the threshold value definition
- Comments, e.g. measures plan
- Email address for the chief alert
- Email addresses for pre-warning and main alert

## Alert profiles

An alert profile is a collection of threshold values that are to be combined into a group.

- Common management of threshold values of different threshold types in one alert profile
- Assignment of the alarm profile to vehicles / construction machinery
- Simplification of the management of the same vehicles / construction machinery

## Products and Prices

Product	Part No.	Product Description	Price
ENAIKOON limit-checker web service	ELC-10-48	Enhancement of ENAIKOON fleet-control-web by ENAIKOON limit-checker contract duration 48 month	per vehicle per month 4.90 €
	ELC-10-24	contract duration 24 month	6.90 €