



**YANMAR**

# SMARTASSIST

**Remote**



# WHAT IS SmartAssist Remote?

**SmartAssist Remote\*** is the new fleet management system developed by Yanmar which gives you optimal visibility on your equipment location and status using the latest telematic technology.

This compact piece of equipment, available as standard on selected Yanmar carrier and crawler excavators, will help you maximize your work potential. By providing real-time information, it gives you total control and lets you monitor and manage your machines remotely via a PC or Smartphone.

## BE ORGANIZED

Accurate hours monitoring and service maintenance reminders and real-time location data help plan maintenance and optimize your fleet.

## BE PROACTIVE

Monitoring of machine hours and technical information helps you plan maintenance operations and react faster to machine failures. Your machine is running at maximum efficiency, improving its productivity.

## BE INFORMED

Utilization tracking allows the operator to make decisions based on actual equipment use, to schedule maintenance operations and to save maintenance costs.

## BE RELAXED

The location of your machine is updated every 30' and geofencing alerts tell you when it moves out of selected areas. **SA-R** helps you keep your machine safe and secure and gives you full confidence.



*\*Contact your Yanmar dealer to know if you are eligible to SA-R*



# HOW DOES SA-R WORK?

## YOUR MACHINE STATUS ON HAND FROM ANYWHERE

**SA-R** system uses the latest satellite technology. Signals are sent to GPS satellites and used to identify the machine location. Data auto-updates every 30 seconds to prevent theft issues. The position and operating information of the machine are sent to Yanmar's data servers using the mobile networks.

Your machines can be remotely monitored from anywhere in the world via web or mobile, even if the engine is switched off.

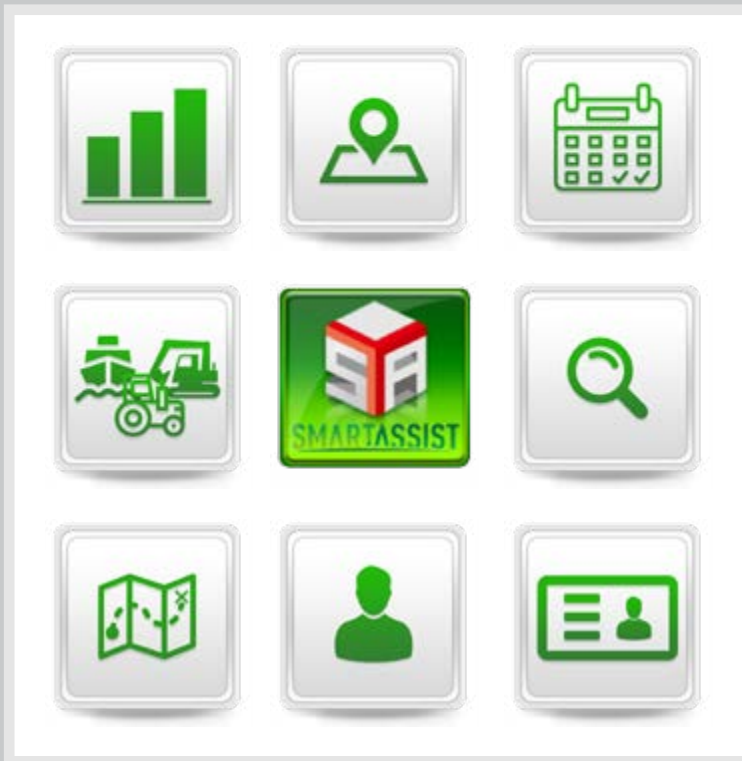
## FREE USE FOR 5 YEARS

**SmartAssist Remote** is available in the standard equipment of a selected range of carriers and mini-excavators. Yanmar is offering a 5-year subscription to **SA-R** system free of charge which means that you can benefit from all the functionalities of the system without any fee.



# DISPLAY

## A CUSTOMIZED INTERFACE FOR EVERY USER



### TERRA INTERFACE FOR MACHINE OWNERS

This user friendly and simple interface gives fast and clear access to the main machine information: localization in real time, vital information about your equipment at a glance, utilization tracking per date...

The TERRA interface can be customized according to your own requirements. To facilitate its use, you can organize your machines in groups and add names or choose a specific area to display the location settings.

Maintenance information and alerts will be sent directly to a chosen supervising company which will help you plan your periodic maintenance operations.

SA-R system is available in all European languages, for ease of use.

## SMARTASSIST FOLLOWS YOU WHEREVER YOU ARE



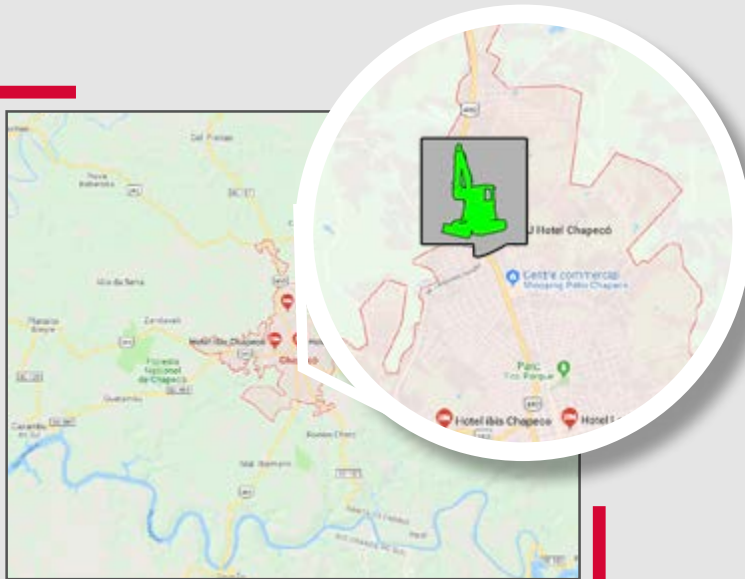
### LUNA INTERFACE FOR RENTAL COMPANIES AND DEALERS

Additionally to the information given by TERRA, the LUNA interface gives access to the machine maintenance and periodic inspection information.

CSV and PDF extractions can be made for information analysis. When you choose a daily report search, you can extract it and save it for further analyse.

# WHICH ADVANTAGES FROM SA-R?

## REAL-TIME LOCALIZATION



To be more reactive and act fast acting, you can monitor the location and the status of each machine. If one of them breaks down, the **SA-R** screen allows you to see precisely where the fault has occurred. It enables you to act quickly to provide the right solution to fix the problem.

A geofencing system helps prevent theft or find stolen machines.

## VITAL INFORMATION AT A GLANCE

Machines contain systems called Controller Area Networks, which are used to gather operational information. You will be informed in real time about :

- + Engine rpm
- + Function setting status
- + Error status
- + Fuel consumption
- + Operating hours

Etc.

You can easily access a lot of data via your **SA-R** interface, searching by day or machine.



This is a usefull database to organize the workload between your fleet.

## WORK REPORT



You can access the daily and monthly operating record of your machines. You can analyse working hours, travel distance and fuel consumption.

Calendar allows you to choose a specific day and access to details of that day (fuel consumption, operation content and work location).

In the work records, you can input work details and remarks about machines. The records can be consulted at all time.

## TEAM MANAGEMENT

**SA-R** offers the possibility to manage your team of operators. Only assigned operator will have access to **SA-R** interface. This feature is particularly useful for rental companies.

Through detailed monitoring and thorough analysis, **SmartAssist Remote** ensures optimum performance and provides useful maintenance information, allowing dealers and end-users to maximize their work potential.

## ALERT

When an abnormality occurs on a machine, e-mail notification is sent to you or your dealer (if requested at the registration). Error type, error time and error location are detailed in the message. It is easier to provide a swift response and consequently minimize downtime. All these alerts will be recorded for a future use, for eg. machine repair.

Different kinds of alert exist (start-up, stop, location, trend and event) and give you information at a specific time.

Your dealer can enter comments on the **SA-R** interface for each alert. Progress can be followed and a history kept for the future to solve any issues faster next time.





## MAINTENANCE

With **SmartAssist Remote**, your dealer can keep a record of your maintenance and periodic inspection information. You can be proactive and organize enhanced servicing just in time to avoid breakdowns. By monitoring operating hours, **SmartAssist Remote** informs assigned people about when inspection is required (if operating hours after the inspection exceeded the specified maintenance interval). When clicking on the maintenance status, it is possible to know which part requires replacement.

This is very useful to:

- + anticipate spare parts orders
- + allocate the machines between different jobsites
- + win time, and keep your machines ready for work



## SMARTASSIST REMOTE ALWAYS ASSOCIATED TO A DEDICATED SERVICE NETWORK

Our distributors provide all the solutions you need: advice adapted to your situation, full service contracts, preventive maintenance contracts, spare parts and maintenance.

Proximity, rapidity, quality and reliability are constant considerations of Yanmar resellers. We go into action for your piece of mind and we commit to your satisfaction. Yanmar's official repairers are present in all European countries. Always close to you, skilled and qualified mechanics to take care of your machine. Authorized repairers provide contracts and day-to-day maintenance services, carry out emergency repairs and give you advice adapted to your needs.



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