

SCS Syscom Cloud Software

scs.bartec-syscom.com



SCS (Syscom Cloud Software) is the cloud software developed by BARTEC SYSCOM for the management, visualization and reporting of data coming from MR3000 instruments.

Applications

■ Civil Engineering

Construction site monitoring
Traffic and railway monitoring
Blasting monitoring

■ Strong motion

Building monitoring
Dam monitoring
Monitoring of Structures (Tunnels, Bridges,...)

SCS Syscom Cloud Software

Connection to SCS



Flexible and versatile data management

	Device management
	3 accessibility levels

List of active/idle devices in the project
Possibility to add/remove devices
Possibility to pair/unpair devices
Remote device parametrization

Administrator: full access
Read/write: access to visualization and project settings
View only: only visualization

SCS Syscom Cloud Software

The SCS is a cloud software able to manage, visualize and create reporting of data coming from all the MR3000 instruments. Fully designed by Bartec Syscom and dedicated to vibration monitoring, the SCS is operating like a Software as a Service (SaaS) platform, providing all the benefits of such model.

Its main features include plug & play M2M communications, management by projects, visualization of events/continuous background monitoring and automatic reporting. Moreover, it has post-processing capabilities such as data categorization, data filtering, Fast Fourier Transform (FFT) and graphical comparison with widely spread standards (DIN 4150-3, SN 640312, RI 8507 and many others).

The data are hosted on a dedicated Swiss server, and the transfer is protected with the SHA-256 secure hash algorithm, to ensure the highest data safety.

The SCS can provide three different accessibility levels to the data, to let the supervisor assign a specific access to different people involved in the project, for easy data sharing. Due to its simplicity and reliability, the SCS is the ideal software to manage all the projects involving MR3000 devices.

The simplest and most reliable way to transfer data from MR3000 devices

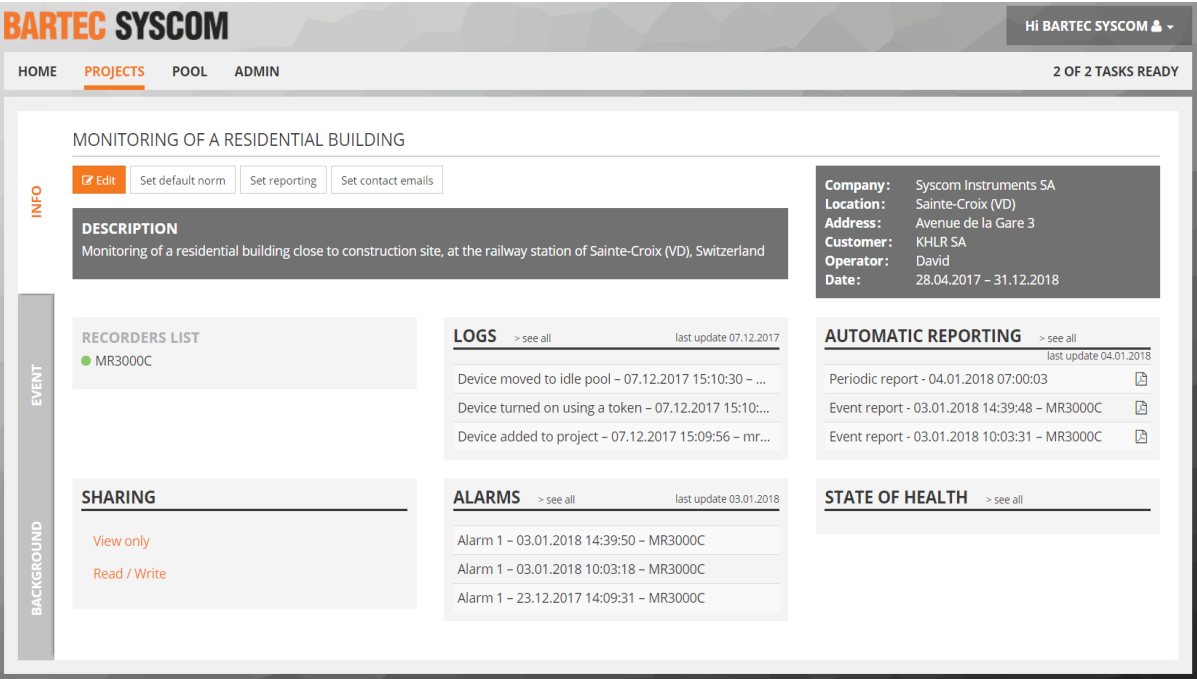
	Simple and cost-effective
	Reliable
	Compatible to MR3000 family

No software to be installed or purchased
Direct access with a browser
Easy data export in different formats
Pay per use only

Swiss hosted server
Data transfer protected with SHA-256 secure hash algorithm
Data always available, even if the devices are idle
Data archiving
4 GB free memory space

MR3000C
MR3000TR
MR3000BLA
MR3000SB
MR3000DMS

Project home page



State-of-the-art features for automatic data processing, reporting and notifications

	Standard regulations
	Automatic reporting
	Notifications

DIN 4150-3 (Germany) - SN 640312 (Switzerland)
Cirulaire du 23/07/1986 and Arrêté de 1994 (France)
BS 5228 and BS 7385-2 (UK) - ÖNORM 9020 (Austria)
NP 2074 (Portugal) - UNE 22-381 (Spain)
RI 8507 and OSMRE (USA) - Others on request

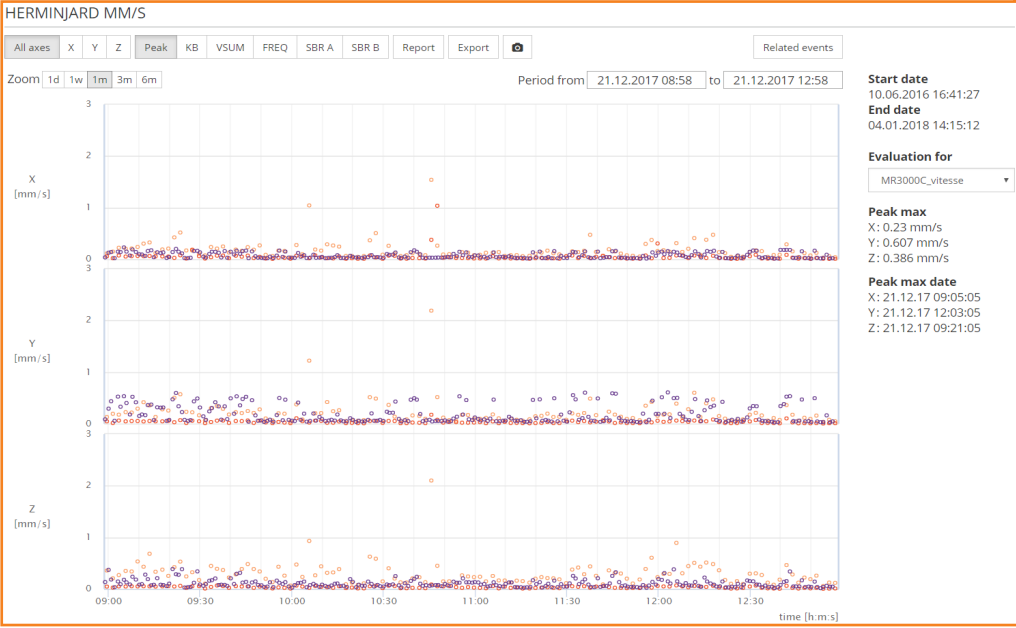
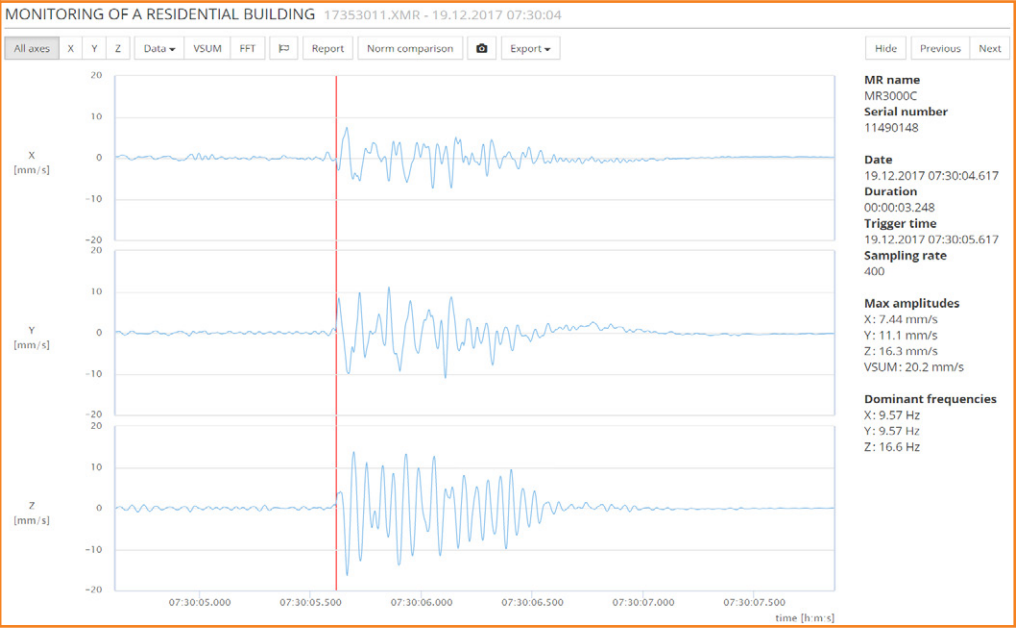
Selectable report content for event and background recording
Blasting report template for blasting measurements
Reports automatically sent by SCS
Project-based contact list

Alarm and state-of-health notifications, sent automatically by the SCS
Project-based contact list
Log information

EVENT RECORDING

Time history on the three channels
Vector sum
FFT
Calculation of displacement and acceleration (or velocity)
Norm comparison
Event and peak information
Export in XMR or ASCII format

The events coming from all devices are listed in a table. The events can be filtered and ordered based on device name, date, duration, peak and user-defined comment.



BACKGROUND RECORDING

Continuous values on the 3 channels of the background information recorded
Selectable data interval
Superposition of time histories coming from different devices
Time period and peak information
Export in BMR or ASCII format

The reports about the background recording can be sent on a daily, weekly or monthly basis.

Major features

- Automated devices access (any MR3000)
- Open architecture with non-corruptible data
- Management by project
- Pay per use only
- 3 levels of accessibility (Admin-User-Viewer)
- Data visualization and processing
- Multiple format data export
- Comparison with standard regulations:
 - DIN 4150-3 (Germany)
 - SN 640312 (Switzerland)
 - Circulaire du 23/07/1986 and Arrêté de 1994 (France)
 - BS 5228 and BS 7385-2 (UK)
 - NP 2074 (Portugal)
 - UNE 22-381 (Spain)
 - ÖNORM 9020 (Austria)
 - RI 8507 and OSMRE (USA)
 - Others on request
- Automatic user-defined reporting
- Alarm and state-of-health notifications
- Parametrization of MR3000

SCS

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Technical Specifications

Accessibility

MR3000 requirements
Browser requirements
SCS access

Firmware 1.8.x or more recent
Any browser, internet access required
<https://scs.bartec-syscom.com>, with username and password

Device pairing

Activation

Token-based. One token allows pairing one MR3000 to the SCS for 30 days
Tokens can be purchased in the SCS. One token per device is free

Project management

Project information

Active and archived projects, paired/idle instruments, alarms, device state of health, log information, automatic reports

Project-based settings

Standard regulations for data comparison, template for automatic reports, notifications, contact list

Access levels

Administrator (full access), Read/write (project-settings access), View only (project-view access)

Data visualization

Event recording

Background recording

Time history on the three channels, Vector Sum, FFT, norm comparison
Continuous peak values on the three channels, selectable data interval, superposition of time histories from different MR3000 devices

Standard regulations

Data import/export

Comparison of multiple events with the selected thresholds
Proprietary formats XMR/BMR and ASCII

Data reporting

Event recording

Background recording

Time histories, VSUM, FFT, norm comparison, user-defined comments
Selectable sending periodicity, user-defined comments

Pair a new device

- Access the SCS on <https://scs.bartec-syscom.com>;
- Add a new device in the section Pool, by inserting the serial number;
- A code is automatically generated by the cloud software.

BARTEC SYSCOM

Your pairing request has been saved!
Please take note of the following token as it's gonna be required later on in the pairing process.

d562 417a

This token **cannot** be shown again.

After your device is paired, you will have to log out and back in.

- Log into the MR3000 WebUI;
- Select the time synchronization through NTP and define the proper time zone;
- Enter the code generated by the SCS and click on "Peering";
- Define the periodicity of the complete synchronization between the MR3000 and the SCS.

START STATUS SYSTEM USER PARAMETERS VIEW MASTER RECORDING LIST

SD-Card

Time

LAN

Wi-Fi

Mobile

DDNS

OpenVPN

Mail

FTP send

SCS Cloud

Authentication

Restore Apply

Service

Status: up

Peering

Token: 568bdcac Unpeering

Synchronization

Sync status: idle

Last sync: 05/01/2018 09:08:39

Sync interval (min.): 5 Sync now

For more information, please visit our tutorial videos at:
<http://www.syscom.ch/products/software/scs-cloud-software/tutorial-videos/>