SvanNET

On-line Monitoring Solutions

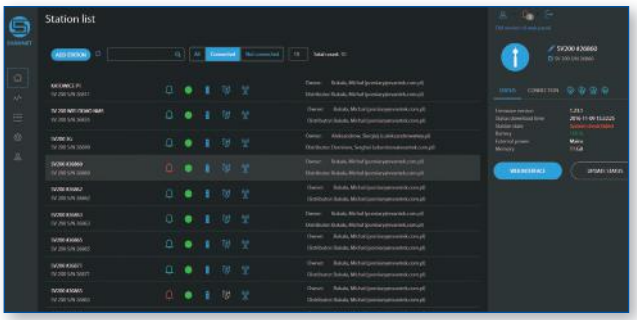
SVANTEK
monitoring systems

SvanNET

SvanNET is an on-line solution that supports multi-point connection with Svantek's noise & vibration monitoring stations. To ensure the reliability and data security the SvanNET has been located on the Microsoft Azure™, the cloud platform working through global network of Microsoft-managed data centers.

Multipoint Monitoring

To support noise & vibration monitoring SvanNET provides on-line connection services such as web interface, access to data files in the monitoring station or status alarms. The monitoring checklist includes measurement status, alarms indication, power source including battery charge, external power information as well as the GSM signal strength.
SvanNET is an on-line solution which means it doesn't require software installation and is accessible through a web browser. The responsive design enables use of SvanNET on various devices such as smartphones or tablets.



SvanNET On-line Connectivity Service

The **SvanNET** is an on-line web service that supports the multi-point connection with Svantek monitoring stations.

Connectivity service offers management and gives full control of the monitoring system using any web browsing device like a mobile phone, tablet or PC.

The web user interface is **easy to use and intuitive** to operate.

One of the main tasks of SvanNET is **monitoring of the status** of Svantek monitoring stations (e.g. battery, memory).

The SvanNET can be accessed through the web browser or **dedicated application** for Android and iOS platforms.

The SvanNET allows usage of all types of **SIM cards** in Svantek Monitoring stations modem regardless if they have public or private IP.

The on-line preview template provides **current results, time-history** graphs as well as information on **status** of monitoring points.

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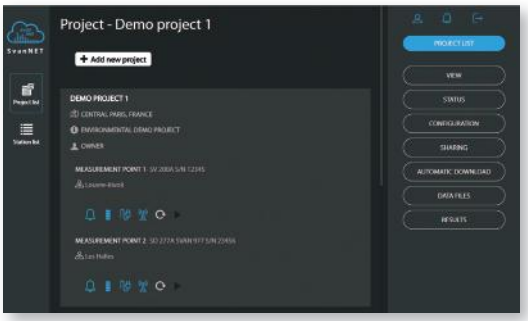
Link to Svantek Monitoring Systems

SvanNET is a cloud server supporting Internet connection to the family of monitoring stations: **SV 258 PRO, SV 27x PRO, SV 200A and SV 307.** Once a sim card is inserted in the monitoring station, it automatically connects to SvanNET.

SvanNET Projects

SvanNET Projects is a payable extension offering fully automated management of multi-point noise and vibration monitoring task. Tools such as Automatic Files Download, Data Storage, Advanced Alarms, Data Sharing and Reporting enable unattended monitoring. The functionality of SvanNET Projects allows to group monitoring stations so that alarms and reports are defined for each project separately. The data files are also grouped automatically in accordance with Project assignments.



Automatic Files Download (AFD)

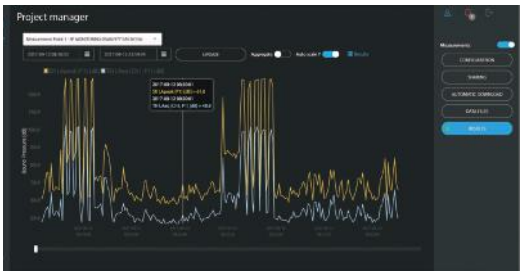
The Automatic Files Download maintains the remote connection with monitoring stations and downloads the measurement data for each project separately. The AFD ensures that data is safely downloaded and shared before clearing the memory in the monitoring stations. The Automatic Files Download can be integrated as the content provided for customized websites – it can export data to FTP server both in the original Svantek format or converted to the CSV text format. The uploaded data can be easily used as the user's website content.

Advanced Alarms

The SvanNET Projects tools are capable to analyse data files downloaded by AFD in order to generate **E-mail Alarms** based on exceeding the level thresholds in specified time periods (e.g. Leq for day and night). System is flexible enough to alert different people depending on the day of the week or the time of day.

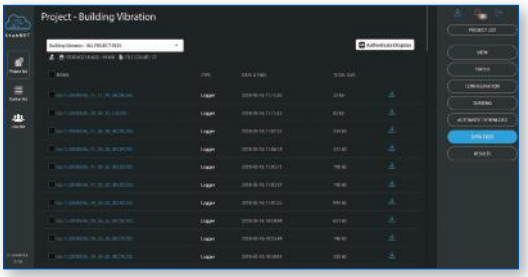
Data Storage

The main advantage of SvanNET Data Storage is a quick access to the measurement data that can be conveniently browsed and downloaded by the time range. The data is stored on the Microsoft Azure™ cloud platform ensuring reliable connection on the global scale.



Data Sharing

Data Sharing allows access to selected Projects to other SvanNET users. Multiple levels of security (MLS) for different users account offers possibility to limit the access to three levels: Administrator, Manager and User.



On-line Data Publishing

The SvanNET offers data preview in the form of a customized website with the public or restricted access. The preview website can be customized with the custom logo and individual project name. The preview content such as map, current results or time history step can be configured in SvanNET interface that works as the Content Management System (CMS).
The access to the preview can be publicly open or be protected by the password.

SvanNET Projects – Building Vibration Interface

SvanNET Projects provide a dedicated user interface that supports measurement methods based on Peak Particle Velocity and Dominant Frequency. Results are presented in the form of PPV time history (background data) and Event List. Each vibration event containing PPV value and its dominant frequency, the wave form and FFT spectrum can be easily printed in the form of a report.

PPV Time History

SvanNET Data Storage provides a quick access to the Building Vibration measurement data and can be conveniently browsed by the time range. The Peak Particle Velocity time history from number of points can displayed together with position of measurement points on a map.

Events List

Whenever the vibration criteria are exceeded the building vibration monitoring station records an Event indicating the highest PPV value and its dominant frequency. SvanNET automatically downloads the Events from monitoring stations together with FFT analysis and waveform associated with each Event.

Vibration Event Analysis

SvanNET Projects provide tools for a displaying and comparison of vibration velocity measurements with reference curves in accordance to commonly used standards such as DIN 4150-3 or BS 7385-2 that use Peak Particle Velocity and Dominant Frequency method.

Building Vibration Reports

SvanNET creates reports in a very fast and easy way. The user selects an event and the measurements data are automatically grouped into form of the report. The PDF or MS Word™ report is generated with a single click on the export button.

svan net

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