

Concert Noise Monitoring in Poland

CASE STUDY: Real-Time Noise Monitoring at EFKA 2.0 Festival
using SVANTEK SV 971A, SV 303, SD 312, and SvanLINK

Measurement Operator:  **SVANTEK** Consultants

Measurement Equipment:

- SV 971A – Class 1 Sound Level Meter
- SV 303 – Class 1 Urban Noise Monitoring Terminal
- SD 312 – SvanLINK controller
- SvanLINK – Real-Time Visualization and Data Integration Platform

Challenge:

Organizers of the inclusive EFKA 2.0 festival needed to manage noise levels in real time to ensure audience comfort and compliance with environmental regulations. The challenge was to monitor sound during live concerts while also collecting data for reporting to local authorities.

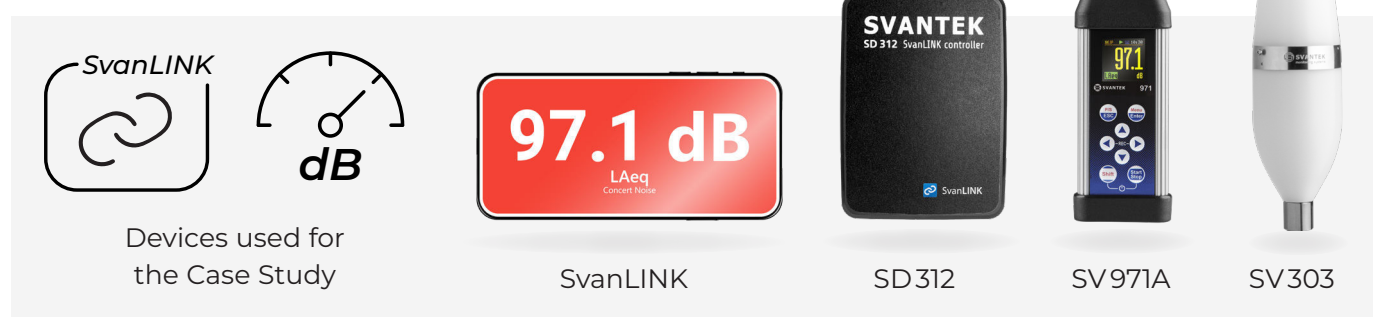
97.1 dB

LAeq
Concert Noise

Live Event Noise Monitoring Case Study

Implementation:

During the festival, SVANTEK instruments were properly installed — the **SV 971A** sound level meter was positioned at the FOH (Front of House), while an additional **SV 303** noise monitoring terminal was deployed near key audience areas to provide full insight into the acoustic situation. By connecting both measurement devices to the **SD 312** SvanLINK controller, all real-time data was streamed to the SvanLINK platform and displayed on large screens, giving event staff instant access to current sound levels. At the same time, the FOH operator had a live view available on a mobile device. The **SvanLINK** platform provides multiple ways to visualize decibel levels. For this study, a color-coded scale (green / yellow / red) was used to clearly highlight risk thresholds.



Permissible limits were based on the Regulation of the Polish Minister of the Environment (Journal of Laws 2014, item 112). The system enabled organizers to quickly assess exposure levels, react in real time during performances, and maintain transparent communication with all stakeholders.

SvanLINK ensured that measurement processes remained automated and consistent throughout the multi-day event, despite a busy schedule and multiple concert stages.

Outcome:

The SVANTEK system allowed EFKA 2.0 organizers to manage sound exposure effectively during live shows and maintain control over environmental impact. Real-time displays helped staff make informed decisions, while logged data supported reliable post-event reporting.

In an event focused on social inclusion and accessibility, the clear and user-friendly presentation of sound data played a key role in building trust with both the audience and local authorities.



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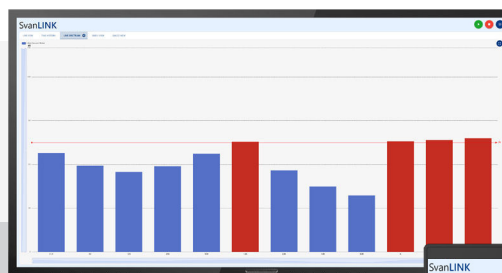
“Using SVANTEK’s equipment with SvanLINK gave us live insight into sound levels, helping us protect both the audience and our neighbours. The simplicity and clarity of the system played a key role in running an inclusive and respectful cultural event.”

Krzysztof Kolanus
Sound and Vibration Expert



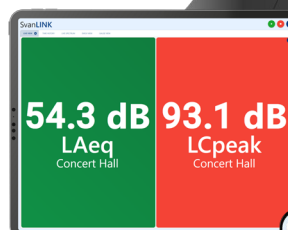
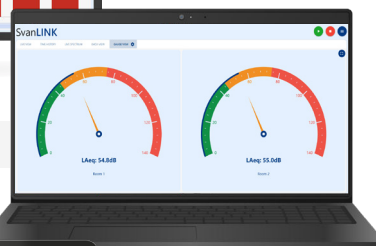
Conclusion

This case study highlights the effectiveness of combining professional measurement instruments like the **SV 971A** sound level meter, or — when continuous monitoring is required — stations such as the **SV 303**, with the **SvanLINK** platform for live event monitoring. The **SD 312** SvanLINK controller proved to be a valuable tool, streamlining the management of multiple devices and unifying decibel measurements into a single clear visualization. The system supported both operational needs during concerts and reporting requirements afterward, offering a robust solution for festivals, public events, and cultural initiatives.



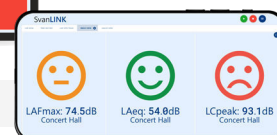
Live Spectrum

Gauge view



Live view

Emoji view



Svantek Sp. z o.o.
Strzygłowska 81
Warszawa 04-872
Poland

(+48) 225188 320
svantek.com

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