

## [Newsletter 10/22](#)

### *How lowii can support you with your predictive maintenance concept*

Predictive maintenance is an important part of maintaining the existing DC infrastructure. The more information you have about various points in the infrastructure, the more accurately you can make predictions about upcoming maintenance work. Lowii connects a wide variety of measuring stations and systems with each other. In this way, information can be supplemented and deepened by the data from other measuring points.

The measurement information is only collected incidentally, without additional costs or special measurement systems.

A simple example to clarify:

You have to install a voltage monitor for overvoltage protection, you have to monitor your DC cable infrastructure, or you have to install a ground short circuiter according to DIN 50122. These measuring devices are essential for safe operation anyway. If the measuring devices used not only transmit the determined measured values to SCADA systems, but the measured values can be evaluated with expert knowledge, then you can fully exploit the potential of your measured values and not only monitor your infrastructure, but also recognize and use your savings potential.

The WITT-Bridge measuring and control systems continuously collect voltages, currents and insulation values at the most diverse points in your infrastructure at no additional cost but with a great deal of added value for you.

### *The WITT Test Case – your individual test case*

The WITT Test Case (WTC) enables you to automatically test a wide range of tasks in a DC infrastructure, such as cable infrastructure, VLD systems DIN 50526 Class 1 to 4, insulation values and potential differences.

In addition to testing the measuring devices used, you can also determine measurement data for your infrastructure and document all results locally.

In addition, the WTC allows you to parameterize your WITT-Bridge components and import software updates independently.

### *VLDM – The successor to the SDSM*

The new system enables the monitoring of standard SDS or HVL according to DIN 50526 class 1 or class 2 at neuralgic points (e.g. railway bridges) in the railway infrastructure. The VLDM does not require an auxiliary voltage. The built-in battery can usually monitor the point for more than 5 years and report regularly to the control center. This means that the product can be used in many places.

### *Last but not least*

Did you know that WITT Solutions GmbH has a manufacturing area of approx. 250 square meters in Wustermark (near Berlin) and manufactures all products there independently?

### *You will find out in the next newsletter:*

Why our VLD is able to organize multiple potentials and monitor its cables and isolation.

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