

Project Brief



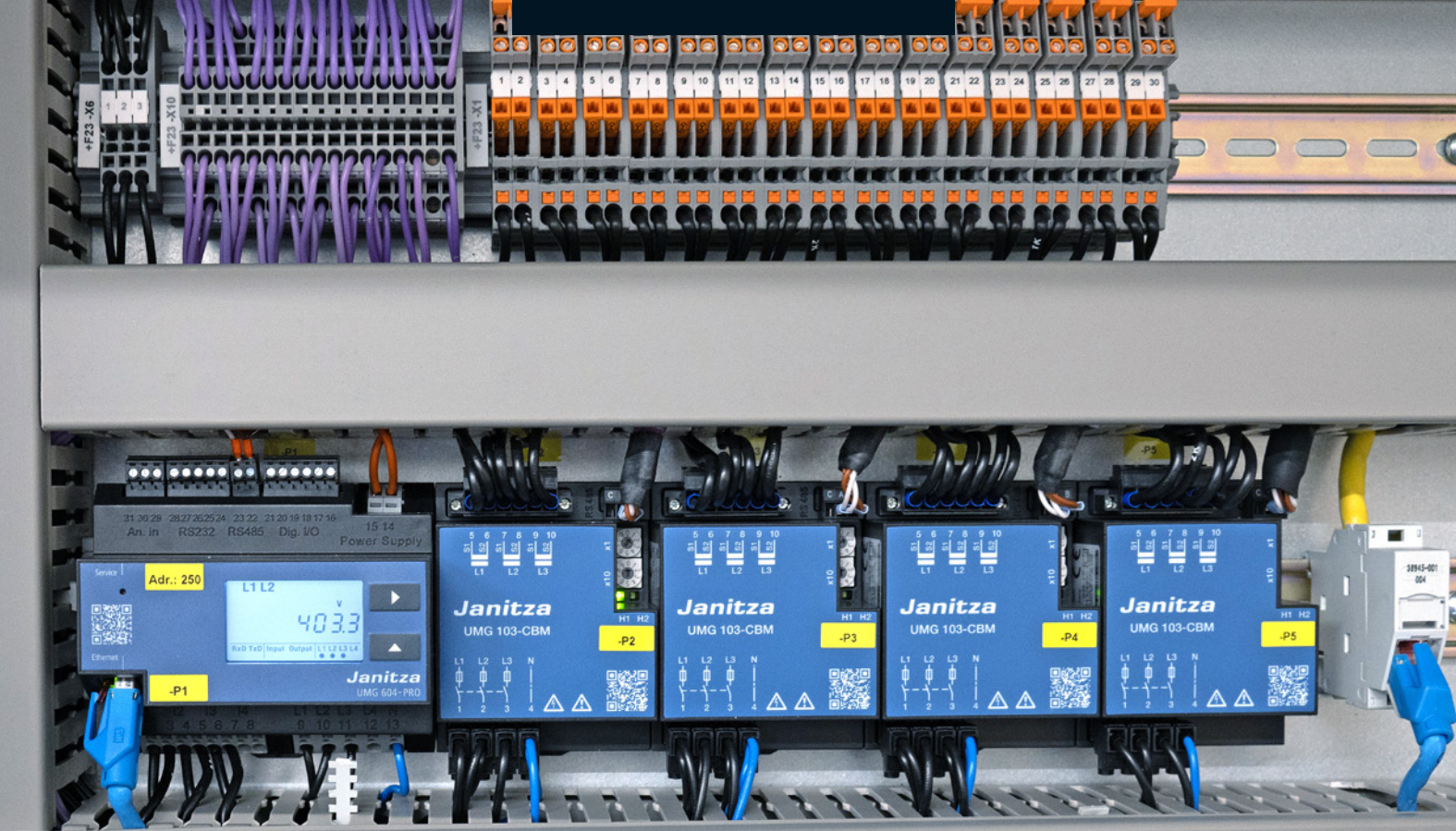
REFERENCE

DATEV eG, Nuremberg (Germany)

FROM ENERGY DATA COLLECTION TO REGRESSION ANALYSIS

Scalable solution from Janitza offers easy entry

Janitza®



A proven combination: The UMG 604-PRO power analyzer together with UMG 103 energy analyzers



The latest version of GridVis® also supports regression analysis

SCALABLE SOLUTION FROM JANITZA OFFERS EASY ENTRY

CUSTOMER REQUIREMENT

In order to remain competitive, large consumers such as data centers are paying attention to energy-efficient operations. What is new is that they must document their efforts and successes. Both legislators and customers want reliable figures.

IT service provider DATEV, one of the largest in Europe, is upgrading its measurement technology with hardware and software from Janitza for this purpose. The first devices have been in use for 15 years. Even back then, DATEV used compact, bus-compatible devices with open interfaces. The next step is the introduction of energy management in accordance with ISO 50001. The software required for this should also allow devices from third-party manufacturers to be integrated.

THE SOLUTION

In 2009, DATEV conducted a trial run with a UMG 604 power analyzer in combination with a UMG 103 energy analyzer. Updates are even available for the UMG 604. Impressed by the quality, DATEV has been installing only Janitza devices in new systems for several years now.

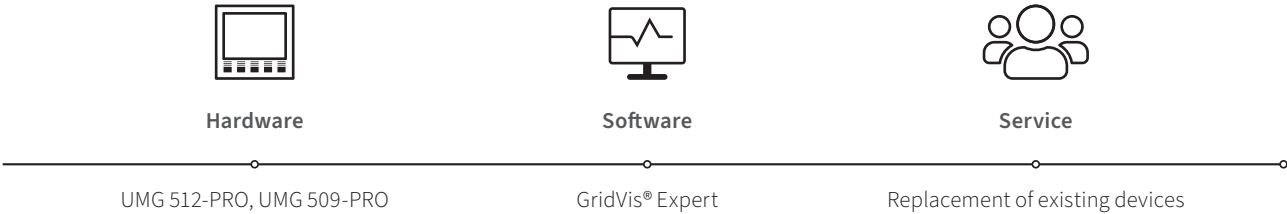
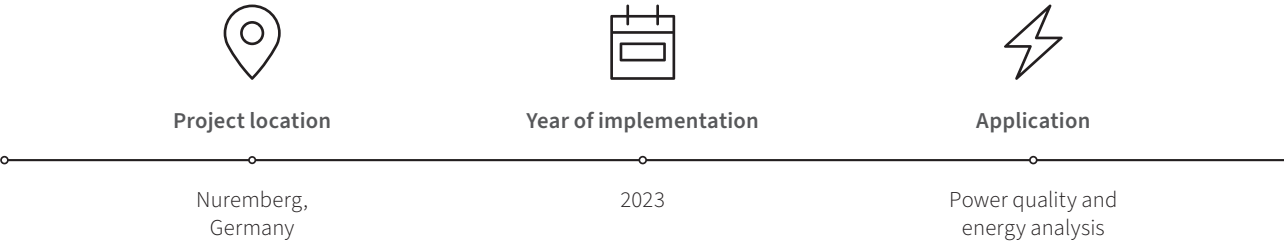
In 2023, the company decided to replace its existing devices as well. Once this measure has been completed, around 700 Janitza devices will be in service at the Nuremberg headquarters alone. UMG 509-PRO and UMG 512-PRO power quality analyzers are installed at the outputs of the transformers and UPS systems. The data is analyzed and evaluated using the power grid monitoring software GridVis®. It provides an overview of the transformers and UPS systems

CUSTOMER BENEFIT

with load profile, utilization, efficiency, and power loss. Operators can also view different time periods via a dashboard. Devices from other manufacturers can also be integrated – all that is required is an open interface. In the data center, this option is used to record both the electrical power consumption of the IT systems and the cooling capacities.

The connection is made via BACnet to a multi-protocol server, which forwards the data to GridVis® via OPC UA. The software also performs regression analysis, which takes external influences such as working hours and weather conditions into account. This is the only way to evaluate energy efficiency measures in a meaningful way.

Thanks to regression analysis with GridVis®, it is possible not only to evaluate energy efficiency measures, but also to make approximate predictions for the load profile. With the editor, users can quickly create, copy, and customize dashboards. They can also create templates that can be easily adapted to individual locations. DATEV also uses the results internally. In data centers, it is particularly difficult to find the right balance between reliability and energy efficiency. With Janitza's measurement technology and power grid monitoring software, even very complex processes can be clearly displayed, possible scenarios can be played out, and data can be prepared in such a way that it facilitates decision-making for operations and investments.



COMPANY PORTRAIT

Janitza develops complete solutions for energy measurement technology that ensure transparent energy flows and monitor the quality of the energy supply. The globally active company, headquartered in Germany, offers individual solutions for customers from various industries, such as data centers, the manufacturing industry, buildings and infrastructure as well as energy supply companies and renewable energies.

HEADQUARTER

Janitza | Location Germany

Vor dem Polstück 6
35633 Lahnau
Phone: +49 6441 9642-0
Email: anfragen@janitza.de

GLOBAL

Janitza | Location USA

Phone: +1 888 526 4892
Email: sales-us@janitza.com

Janitza | Location Austria

Phone: +43 7942 214 966 194
Email: anfragen-at@janitza.com

Janitza | Location Australia

Phone: +61 441 544 114
Email: sales-au@janitza.com

Janitza | Location UK

Phone: +44 7939 697 434
Email: sales-uk@janitza.com

Janitza | Location India

Phone: +91 900 386 6980
Email: sales-in@janitza.com

Janitza | Location Middle East

Phone: +971 54 404 8001
Email: sales-in@janitza.com