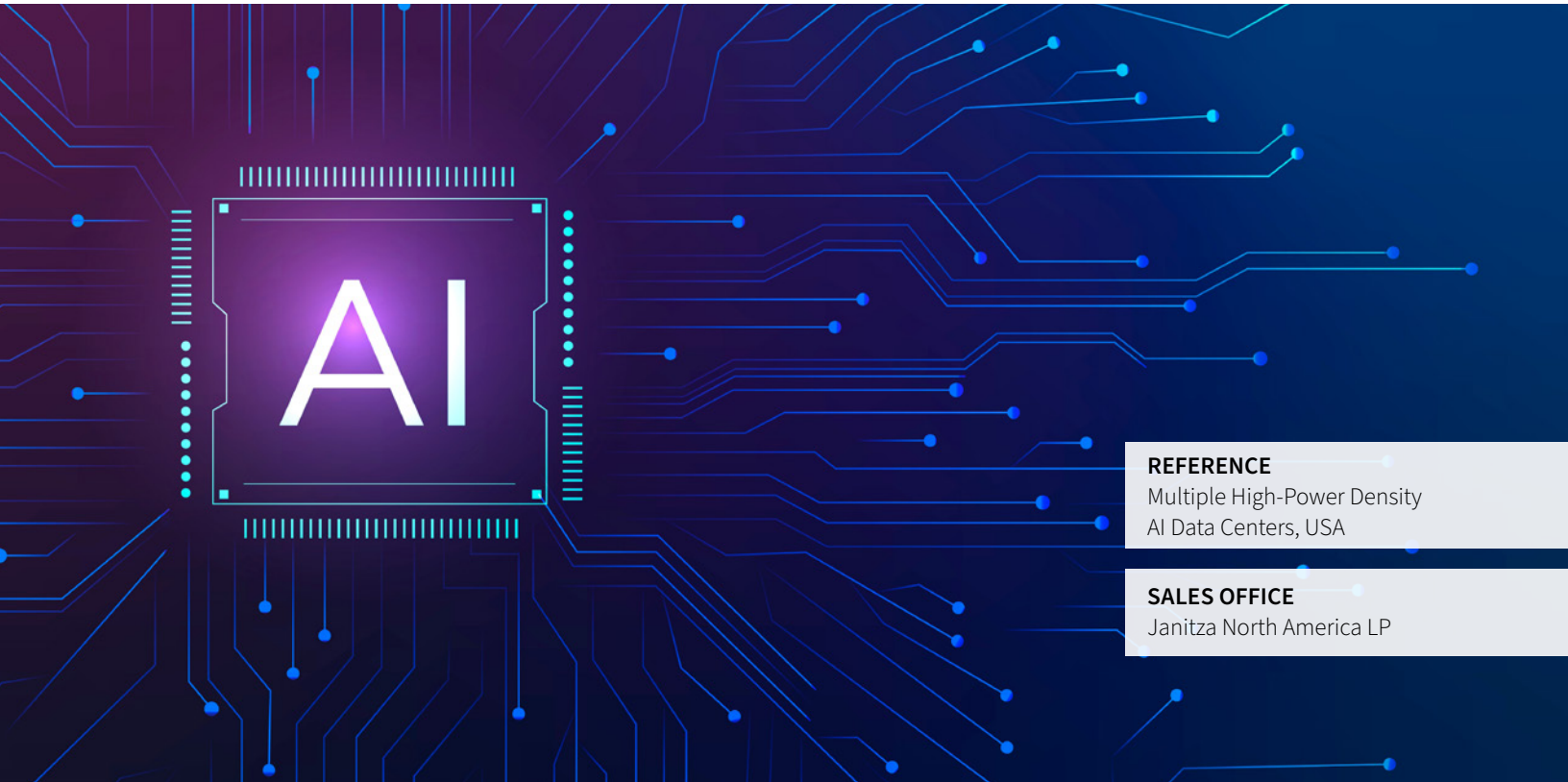


Case study



REFERENCE

Multiple High-Power Density
AI Data Centers, USA

SALES OFFICE

Janitza North America LP

44% FASTER DATA CENTER
COMMISSIONING WITH JANITZA

Janitza



POWER QUALITY SOLUTIONS FOR HIGH-POWER DENSITY AI APPLICATIONS

CHALLENGE

As this global technology and social media leader scaled its AI initiatives, speed was everything. Data center deployment delays threatened revenue growth, and every team felt the pressure. Project managers had to meet speed-to-megawatt (MW) timelines. Electrical designers needed power quality and energy data to operate the company's data centers once they went live. Controls engineers required data that could integrate with existing Data Center Infrastructure Management (DICM), Electrical Power Monitoring System (EPMS), and Supervisory Control and Data Acquisition (SCADA) platforms to prevent outages. Success depended on meeting each team's requirements to keep AI growth on track.

SOLUTION

To keep projects on track and meet demanding requirements, the company turned to Janitza's all-in-one Power Quality Monitoring (PQM) platform. By leveraging Janitza's modular, in-stock product family, the project avoided delays from custom builds or redesigns. With products stocked domestically, orders were fulfilled quickly and delivery lead times were up to 44% faster than alternative solutions.

Beyond the hardware, Janitza provided comprehensive white-glove service to ensure a seamless rollout. Field factory commissioning bridged the gap between factory acceptance testing and final site commissioning. Janitza trained the installer on best practices to prevent delays and worked onsite with the startup team to validate performance. All to confirm that the solution met every requirement, especially timelines.



Location



Year of implementation



Application

Multiple locations,
USA

2024 – 2025

Power quality monitoring



Today, modular power analyzers and accessory modules deliver accurate data into the customer's in-house DCIM, EPMS, and SCADA platforms. Live visibility into waveform capture, harmonics analysis, and multi-circuit monitoring gives the customer greater control over their electrical infrastructure. The solution's flexibility reduced the need for additional modules, which accelerated deployment and helped contain costs.

Trusted data now flows into the customer's DCIM, EPMS, and SCADA platforms, turning information into actionable insights. By monitoring power fluctuations, electrical disturbances, and load balancing, the customer can mitigate the risk of unplanned outages. With Janitza's partnership, they gained the reliability and visibility needed to achieve their AI vision without costly delays.

BENEFITS

This global technology and social media leader successfully scaled its AI initiatives. Deployment was completed 44% faster than alternatives because readily available products eliminated delays from custom builds. Onsite white glove support minimized unforeseen variables that could have disrupted time-



Hardware

UMG 801 Power Analyzer,
800-CT8-LP Current Measuring Module,
and 800-DI14 Expansion Module



Connectivity

OPC UA, Modbus RTU, Modbus TCP/IP



Support

All phases of the project

ABOUT JANITZA

Janitza develops comprehensive energy measurement solutions that ensure transparent energy flows and monitor power quality. The global company, headquartered in Germany, provides individual solutions to meet specific customer requirements across a wide range of industries, including data centers, manufacturing, buildings & infrastructure, utilities, and renewable energy.

PRODUCT RANGE

Janitza's portfolio includes innovative measuring devices and the perfectly integrated Power Grid Monitoring Software GridVis®, complemented by high-quality components. Customers worldwide benefit from solutions in energy data management, power quality monitoring, and residual current monitoring, all within a unified system environment – Made in Germany.

HEADQUARTER

Janitza | Germany

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

www.janitza.com

GLOBAL

Janitza | USA

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

Janitza | Austria

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

Janitza | Australia

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

Janitza | UK

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

Janitza | India

Phone: +91 900 387 6980
Email: sales-in@janitza.com

Janitza | Middle East

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

Janitza