

Siemens breakthrough at primary distribution for 40,5 kV level with F-gas free blue GIS

- 8DAB 40 switchgear expands the blue GIS portfolio for primary distribution networks enabling sustainable grid expansion ahead of regulations
- Utilizes climate friendly Clean Air insulating medium consisting of natural-origin gases with GWP <1, F-gas and PFAS free
- Software from Siemens Xcelerator platform and integrated sensors enable asset transparency and condition monitoring

Siemens Smart Infrastructure has cemented its position as a technology leader by expanding its sustainable blue GIS portfolio with the 8DAB 40. This switchgear for primary distribution networks up to 40,5 kV uses “Clean Air” as insulating medium with GWP <1, making it climate friendly and completely free of fluorinated gases. The 8DAB 40 is to be showcased at the upcoming Hannover Messe, taking place from April 17th to 21st. [Free tickets](#) are available to be part of the Siemens experience. Siemens Xcelerator is an open digital business platform that enables customers to accelerate their digital transformation easier, faster, and at scale.

Developed based on industry-leading vacuum-interrupter technology, this highly innovative switchgear is Siemens' first step to address 40,5 kV market requirements, enabling environmentally-friendly grid expansion without fluorinated gases. By combining Clean Air, consisting of natural-origin gases, for insulation with proven vacuum-interrupter technology, blue GIS is supporting customers' endeavor to reduce their carbon footprint and paves the way for a more sustainable future.

“As utilities and industries strive to meet ambitious targets to decarbonize and digitalize grids, they are looking for sustainable, intelligent and future proof products also for higher voltage ratings,” says Stephan May, CEO of Electrification and Automation at Siemens Smart Infrastructure.

“Our sustainable and innovative 8DAB 40 blue GIS is the answer to an eco-friendly energy transition. Using Clean Air and vacuum-interrupter technology, all the benefits of a conventional 8DA/B switchgear up to 40,5 kV level are kept. The 8DAB 40 offers the same performance while keeping identical panel dimensions and utilizing technology that has proven to be successful and reliable for more than 40 years. Designed on the pillars of the Siemens DEGREE program, it has a reduced CO₂ footprint throughout its lifecycle, making it a sustainable switchgear.”

8DAB 40 switchgear with its modular and compact design is suitable for various critical infrastructure applications, like data centers, semiconductor manufacturing industries, and green hydrogen production. It further offers excellent reliability and safety, thanks to its sealed-for-life and single-pole enclosed design, making the 8DAB 40 an ideal choice for utilities and other critical industries looking to reach their sustainability targets.

Offering numerous benefits thanks to its integrated digital technologies, the 8DAB 40 was developed with the highest focus on cyber security, and provides real-time monitoring, remote control, and diagnostics capabilities. Customers reap the rewards of improved operational efficiency, reliability, and safety. Thanks to real time condition monitoring, 8DAB 40 allows predictive maintenance to reduce downtime and maintenance costs.

This press release as well as photos are available at

<https://sie.ag/3KkT3FO>

For more information about Siemens Smart Infrastructure, see:

www.siemens.com/smartinfrastructure

www.siemens.com/bluegis

www.siemens.com/8dab40

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Siemens Smart Infrastructure (SI) is shaping the market for intelligent, adaptive infrastructure for today and the future. It addresses the pressing challenges of urbanization and climate change by connecting energy systems, buildings and industries. SI provides customers with a comprehensive end-to-end portfolio from a single source – with products, systems, solutions and services from the point of power generation all the way to consumption. With an increasingly digitalized ecosystem, it helps customers thrive and communities progress while contributing toward protecting the planet. Siemens Smart Infrastructure has its global headquarters in Zug, Switzerland. As of September 30, 2022, the business had around 72,700 employees worldwide.

Siemens AG (Berlin and Munich) is a technology company focused on industry, infrastructure, transport, and healthcare. From more resource-efficient factories, resilient supply chains, and smarter buildings and grids, to cleaner and more comfortable transportation as well as advanced healthcare, the company creates technology with purpose adding real value for customers. By combining the real and the digital worlds, Siemens empowers its customers to transform their industries and markets, helping them to transform the everyday for billions of people. Siemens also owns a majority stake in the publicly listed company Siemens Healthineers, a globally leading medical technology provider shaping the future of healthcare. In addition, Siemens holds a minority stake in Siemens Energy, a global leader in the transmission and generation of electrical power.

In fiscal 2022, which ended on September 30, 2022, the Siemens Group generated revenue of €72.0 billion and net income of €4.4 billion. As of September 30, 2022, the company had around 311,000 employees worldwide. Further information is available on the Internet at www.siemens.com.