

Liechtenstein chooses sustainable and future-proof Siemens power distribution

- **Siemens to supply fluorine gas-free blue GIS medium-voltage switchgear to Liechtensteinische Kraftwerke (LKW)**
- **Climate-neutral insulation gas Clean Air replaces the greenhouse gas SF6 and dispenses with all other fluorinated gases**
- **Investment in climate protection and supply security in Liechtenstein**

Liechtensteinische Kraftwerke (LKW) has chosen sustainable medium-voltage switchgear from Siemens. The new 5-field NXPLUS C 24 system from the environmentally friendly blue GIS portfolio of Siemens Smart Infrastructure was commissioned by the customer at the Wiesengasse West substation in Schaan, Liechtenstein. This makes LKW one of the first grid operators to convert an entire medium-voltage switchgear installation to the climate-friendly insulating gas Clean Air.

“In our environmentally friendly switchgear, SF6 is replaced by the insulation gas Clean Air, which consists exclusively of components of the natural ambient air,” said Stephan May, CEO of the Electrification & Automation Business Unit at Siemens Smart Infrastructure. “Dimensions and ease-of-use of the system remain unchanged. The complete absence of fluorine gases in our blue GIS medium-voltage switchgear means that our customers are well prepared with regard to possible future regulations. This is sustainability and investment security without compromise.”

“An important goal of Liechtensteinische Kraftwerke is to drive innovations and environmentally friendly technologies. Working with our partner Siemens, we are now one of the first operators to go live with this environmentally friendly generation

of switchgear. The fluorine gas-free Clean Air technology paves the way for an even better circular economy. The advantage is that there is no need for controlled handling compared to today's SF6 insulating gas, which reduces the effort required all around and has a positive impact on lifecycle costs," said Armand Jehle, Head of Energy Management at Liechtensteinische Kraftwerke.

Liechtensteinische Kraftwerke supplies the entire Principality of Liechtenstein with electrical energy. The utility is a pioneer when it comes to sustainability, opts for renewable energy from hydroelectric power plants and photovoltaic systems wherever possible, and continues to invest in expanding green energy production. By choosing environmentally friendly fluorine gas-free switchgear from Siemens for the Wiesengasse West substation in Schaan, Liechtensteinische Kraftwerke now aims to combine a high level of supply security with climate-neutral technology. The Wiesengasse West transformer station serves as a switching station between two substations and for the power supply for the adjacent sports facilities in the municipality of Schaan.

This press release as well as press pictures can be found at <https://sie.ag/3x4zmf0>

For more information about Siemens Smart Infrastructure, see

www.siemens.com/smart-infrastructure

For more information about our blue GIS medium-voltage switchgear, see

www.siemens.com/bluegis

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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, 2021, the business had around 70,400 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 2021, which ended on September 30, 2021, the Siemens Group generated revenue of €62.3 billion and net income of €6.7 billion. As of September 30, 2021, the company had around 303,000 employees worldwide. Further information is available on the Internet at www.siemens.com.