

Siemens and Bernmobil drive sustainable bus transport in Bern

- **Charging infrastructure for 14 new electric buses**
- **Fast charging units at three terminal stations**
- **Charging infrastructure and digital depot management solution at the bus depot**

Siemens has been awarded a contract by Bernmobil, the Swiss capital's public transport company, to supply charging infrastructure solutions for the operation of 14 new electric buses. These are to be deployed on Lines 19 and 21 beginning in early 2023. The project includes fast charging units at three terminal stations as well as charging infrastructure for the Eigerplatz bus depot. To optimize operations, a cloud-based depot management solution from Siemens will be used as software-as-a-service.

Bernmobil is committed to driving the electrification of public local transport in the Swiss capital. "Our goal is a completely climate-neutral bus network with 100 percent electrically powered vehicles by around 2035," said Markus Anderegg, deputy director and head of technology at Bernmobil. "A reliable and efficient charging infrastructure is an important prerequisite for us to achieve our goal. With Siemens, we have a partner with whom we have had a long and good working relationship in the streetcar sector."

Three Siemens Sicharge UC 600 fast charging units, including a charging mast with a top-down pantograph, will be installed at the Elfenau, Blinzern (Line 19) and Bremgarten (Line 21) terminal stations. During their scheduled stops, the vehicles can be charged with a power of up to 450 kilowatts. The pantograph has a major advantage: The connection of the charging unit to the vehicle is fully automatic so

nothing needs to be connected manually. The charging mast has a height of 6.5 meters and weighs 2.5 tons; with a footprint of 130 x 33 cm it is relatively compact.

At the Eigerplatz bus depot, Siemens will install seven Sicharge UC 200 fast charging units, each with three dispensers. This means that a total of 21 bus parking spaces can be equipped with electric charging infrastructure. The Siemens charging infrastructure, consisting of Sicharge UC charging centers, dispensers and CCS2 connection cables, will be installed by Siemens in the existing depot during ongoing operations.

To manage this complex system with several Sicharge UC dispensers per charging center, a digital depot management solution from Siemens will be used in the Eigerplatz bus garage. It is a cloud-based software-as-a-service (SaaS) offering. This means that the software will be operated and maintained by Siemens and made available to Bernmobil for use. Among other things, the system monitors all electrical currents, generates reports on charging operations, and enables efficient diagnostic and charging management.

“Along with the charging infrastructure, such digital systems are a key element for optimal depot operation. This gives our customers transparency over all charging processes and, as a result, control over their energy demand and costs, for example” said Birgit Dargel, Global Head of Future Grids at Siemens Smart Infrastructure. “By offering the software as a SaaS model, Bernmobil can focus fully on the efficient operation of its electrified bus fleet.”

This press release and press pictures are available at
<https://sie.ag/3hkiH05>

For further information on Siemens Smart Infrastructure, please see
www.siemens.com/smartinfrastructure

For further information on Sicharge UC, please see
www.siemens.com/sichargeuc

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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, 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 2020, which ended on September 30, 2020, the Siemens Group generated revenue of €55.3 billion and net income of €4.2 billion. As of September 30, 2020, the company had around 293,000 employees worldwide. Further information is available on the Internet at www.siemens.com.