

Siemens charging infrastructure will power zero-emission electric buses in Australia

- **Charging infrastructure for one of Australia's leading bus manufacturers**
- **Siemens digital depot management solution for reporting and monitoring function**
- **Supports uptake of low emission transport across Australia**

One of Australia's leading bus manufacturers, Custom Denning, has selected Siemens' electric bus charging stations and digital depot management solution for its fleet of fully Australian designed and built Element electric buses. The charging stations will support the bus manufacturer's prototype electric buses and be available for future eBus orders of its customers.

According to the Australian Government Climate Change Authority, Australia's transport emissions have been rising every year since 1990 (except for 2020 due to COVID-19). With 21 percent, trucks and buses represent the second largest part of these emissions. State governments across Australia are encouraging the uptake of low emission transport. New South Wales, for example, aims to convert all 8,300 buses across the state to zero emission by 2030.

"With our comprehensive and scalable charging infrastructure portfolio for eBuses, we at Siemens support customers worldwide to switch to zero-emission transport and flexibly expand their electric fleets," said Birgit Dargel, Global Head of Future Grids at Siemens Smart Infrastructure. "By providing our Sicharge UC systems to one of Australia's leading bus manufacturers, we can do our part to promote the country's plans for zero-emissions vehicles."

The Sicharge UC eBus charging infrastructure from Siemens will be part of Custom Denning's zero emission electric bus trials. For this purpose, the Australian bus manufacturer has manufactured four prototypes of their new electric bus named

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Element. Each trial bus will be delivered to a bus operator paired with a Sicharge UC100 capable of delivering up to 125 kW, along with a Siemens digital depot management solution. In addition, Custom Denning has purchased a stock of Sicharge UC100 charging units for future bus sales.

The Sicharge UC system serves the entire power range from 50 to 600 kW and can operate at up to 1,000 volts (V). This gives bus operators optimal flexibility when planning electric bus depots by providing highly efficient infrastructure designed to take into account the rapid advances in battery technology. Additionally, it enables bus operators to cost-effectively expand their charging infrastructure with up to five dispensers plus a pantograph per charging center.

“Technology can change quickly, particularly around charging infrastructure. Which is why working with a company like Siemens that keeps ahead of the curve makes sense for us as a local manufacturer,” said Scott Dunn, Managing Director of Custom Denning. “We also needed a solution that would make the transition to electric buses as seamless as possible for bus operators and Siemens is a natural fit. Bus operators have the reassurance of a leading product that is used in many countries worldwide and also in getting the right charging infrastructure quickly through existing stock so they can hit the ground running with a packaged solution.”

The reporting and monitoring function of the digital depot management solution from Siemens will enable bus operators to centrally monitor all charging infrastructure and easily report on key metrics, including OPEX savings. Smart management functionality can also enable scheduled charging to take advantage of lower overnight rates while ensuring that individual buses have reached the desired state of charge by the time they are needed for the next day’s operations.

The Element electric buses are built at Custom Denning’s St. Mary’s factory in Western Sydney. Once fully operational, the site will be capable of producing 550 eBuses annually, with the intention of selling them locally and globally.

This press release and a press picture is available at

<https://sie.ag/3oYBW3y>

For more information about Siemens Smart Infrastructure, see

www.siemens.com/smartinfrastructure

For further information on Sicharge UC, please see

www.siemens.com/sichargeuc

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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. SI creates environments that care. Siemens Smart Infrastructure has its global headquarters in Zug, Switzerland. As of September 30, 2020, the business had around 69,600 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, 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.