City of Genoa more sustainable with Siemens charging infrastructure and Rampini ebuses

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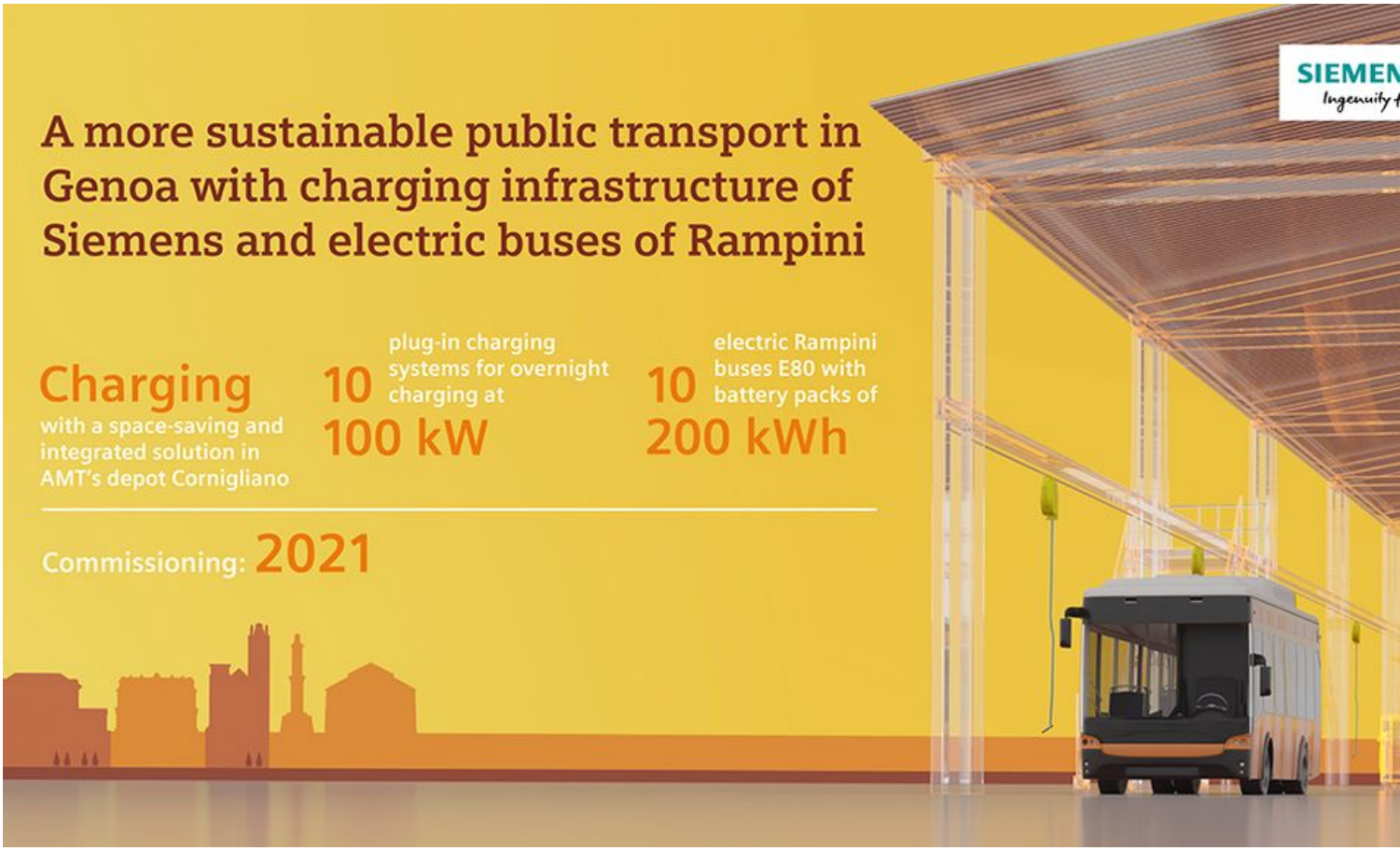
Siemens Smart Infrastructure will provide the charging infrastructure for 10 Rampini E80 electric buses in Genoa, Italy, to be used by AMT Genova (AMT), the city’s public transport operator.

With this project, AMT continues its journey of electrifying the public transport system in Genoa, aiming to create an energy-efficient and sustainable model of urban mobility. The Siemens charging infrastructure is scheduled to be commissioned by the summer of 2021.

In the first wave, Siemens will supply 10 innovative plug-in charging systems for AMT’s Cornigliano depot, enabling ebus recharging overnight or during other operational breaks planned by the operator. The space-saving design makes it possible to subsequently deploy up to 60 charging units in the bus depot for as many electric buses – a future-proof modular approach.



Based on the Siemens Sicharge UC 100 overnight plug-in charging systems, which are compliant with the latest international standards and have a charging capacity of up to 100 kilowatts (kW), the depot will be able to charge the buses using power cables that can be pulled out from the top. That space-saving design concept maximizes the number of buses that can be charged in a single depot. Combined with Siemens smart charging software, all the charging operations will be intelligently optimized in order to minimize the overall energy consumption and peak loads of the depot.

Equipped with 200 kWh battery packs, the ten E80 electric buses by Rampini have a width of 2.2 metres and a capacity of 43 passengers. With these structural dimensions, they are the only e-buses in Europe that guarantee the highest levels of maneuverability in historic city centers.

“This first public transport electrification project in Italy proves the potential of our flexible and compact solution, which can be adapted and integrated even in this small historic facility. We are proud to offer our technology to make Genoa’s urban mobility even more efficient and sustainable,” said Marco Rastelli, Head of the Distribution Systems business unit at Siemens Italy.

(Siemens)