



**ŠKODA**  
SIMPLY CLEVER

# PRESS RELEASE

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## Second life cycle for batteries reduces their carbon footprint

- › Used batteries from ŠKODA iV vehicles provide sustainable energy for charging stations
- › ŠKODA AUTO collaborates with IBG Česko to create an innovative system to store up to 328 kWh of power.
- › Clever idea offers ŠKODA dealers a more flexible supply of energy

Mladá Boleslav, 27 May 2021 – ŠKODA AUTO introduces a smart energy storage system: a second life cycle for batteries from electric vehicles that effectively reduces their CO<sub>2</sub> footprint. In partnership with the Czech technology company IBG Česko, the system is now being deployed at ŠKODA dealerships. It stores sustainably generated electricity in used batteries that come from the all-electric SUV ŠKODA ENYAQ iV as well as the plug-in hybrid models SUPERB iV and OCTAVIA iV. This allows electric vehicles, for example, to be charged quickly and flexibly, and dealers can also use the stored electricity for the lighting and air-conditioning in their showrooms and workshops.

Following a successful pilot project in Prague, the innovative energy storage units are now available to ŠKODA contract dealers. So far, 160 pre-orders have been received from dealers in the Czech Republic, Germany, the Netherlands and Slovakia. Produced in collaboration with IBG Česko, the energy storage system can hold up to 20 batteries from the plug-in hybrid models SUPERB iV and OCTAVIA iV, each with 13 kWh, or five 82 kWh batteries from the electric SUV ENYAQ iV. The system has a total capacity of up to 328 kWh, which can be used to supply fast-charging stations with a transmission power of up to 150 kW. The energy storage system can temporarily store any surplus green electricity that is generated by ŠKODA dealers' photovoltaic systems, for example. This electricity can then be used at any time with full transmission power, regardless of the weather or the current load on the local power grid. In addition, the dealers can draw on the electricity generated in-house to light their showroom or workshop or to run the air conditioning. The energy storage system can be scaled up or down, and the batteries can be exchanged in a few simple steps if required. More than 4,000 of these sustainable power units could be built in the coming years.

### Second life cycle extends battery lifespan to up to 15 years

At the heart of the energy storage system are batteries that were previously installed in the ŠKODA ENYAQ iV or the plug-in hybrid models SUPERB iV, OCTAVIA iV and OCTAVIA RS iV. For the first units of the new storage system, batteries from test and pre-production vehicles will be used; later, cells from used production vehicles can also be put through a second life cycle in this way. Experience from the pilot project shows that the capacity of the batteries in the stationary storage systems only drops by around two per cent a year. The system thus extends the useful life of the batteries to up to 15 years, significantly improving their carbon footprint. At the end of this second life cycle, ŠKODA recycles the cells in a controlled process. The recovered raw materials are then used to produce new batteries. ŠKODA AUTO issues a two-year warranty on the energy storage systems; for the second-life batteries used, the warranty period is eight years. The battery systems are financed through municipal or state subsidies.



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## Media images:



### Second life cycle for batteries reduces their carbon footprint

A clever energy storage system powered by used batteries from ŠKODA iV models stores sustainably generated electricity. This allows ŠKODA dealerships to charge electric vehicles quickly and flexibly and to power the lighting and air-conditioning in showrooms and workshops.

[Download](#)

Source: ŠKODA AUTO



### Second life cycle for batteries reduces their carbon footprint

160 pre-orders have already been received from dealers in the Czech Republic, Germany, the Netherlands and Slovakia for the system that is produced in collaboration with IBG Česko and will be available from April. More than 4,000 of these energy storage units could be produced in the coming years.

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Source: ŠKODA AU

## ŠKODA AUTO

- › is focusing on three priorities with its 'NEXT LEVEL ŠKODA' program for the future: expanding the model portfolio towards entry-level segments, exploring new markets for further growth in the volume segment and making tangible progress in sustainability and diversity.
- › currently offers its customers ten passenger-car series: the CITIGO<sup>®</sup> iV, FABIA, RAPID, SCALA, OCTAVIA and SUPERB as well as the KAMIQ, KAROQ, KODIAQ and ENYAQ iV.
- › delivered over one million vehicles to customers around the world in 2020.
- › has belonged to the Volkswagen Group for 30 years. The Volkswagen Group is one of the most successful vehicle manufacturers in the world. In association with the Group, ŠKODA AUTO independently develops and manufactures vehicles, as well as components, engines and transmissions.
- › operates at three locations in the Czech Republic; manufactures in China, Russia, Slovakia and India mainly through Group partnerships, as well as in Ukraine with a local partner.
- › employs approximately 42,000 people globally and is active in more than 100 markets.