

ŠKODA AUTO plant in Kvasiny: series production of the SUPERB iV, the brand's first plug-in hybrid vehicle

MODERN PLANT IN KVASINY TRANSFORMED SUBSTANTIALLY FOR PLUG-IN HYBRID PRODUCTION

DIFFERENT PRODUCTION PROCESS

The advanced plug-in hybrid vehicle technology required a variety of substantial adaptations to the production process and the format of pre-delivery tests of new vehicles. Most of such changes have been made in the welding shop and assembly hall, and the finish site is all new. The Training Centre plays an important role, too.

 **5,500**
EMPLOYEES

of the Kvasiny plant have already been trained in plug-in hybrid car production processes

 **12**
MILLION EUR

is the total amount of investments made in transforming the Kvasiny plant to a plug-in hybrid car manufacturing site

ASSEMBLY LINES

Interventions in the assembly line were even more extensive. The assembly line has been **fitted with a feeder for chassis frames and high voltage & 12V battery handling machines.**



ADAPTED AND NEW SITES

ASSEMBLY LINES

PAINT SHOP

WELDING SHOPS

FINISH SITE

The Company has also built an all-new finish site, including **new fillers and a special site for final operations done exclusively on plug-in hybrid vehicles.** Completely functional plug-in hybrid vehicles then leave this site for the next stage of the production process where they join conventional vehicles.



WELDING SHOPS

Since the floor of the plug-in hybrid version of the ŠKODA SUPERB iV is shaped differently, in connection with the integration of the car's batteries, some of the existing equipment on the welding line had to be adapted substantially, and the line has also been fitted with a number of **all-new production systems.**



TRAINING CENTRE

This site is used for **staff training**, primarily in fitting and connecting high voltage components (**both on real vehicles and in virtual environments**). The training programme also includes hybrid vehicle work safety.



QUALITY CENTRE

This site is used for vehicle safety and functionality tests. Besides ordinary operations, special checks include:

- **High voltage system check** including a charging functionality test
- **High voltage battery cooling check**
- **Hybrid drivetrain functionality check**



PILOT HALL

The Pilot Hall team is responsible for optimising the build of both pre-series and series vehicles with the objective of producing sophisticated cars **through a smooth, top-quality process**, while also being involved in optimising parts and components received from both in-house and third-party suppliers.



DID YOU KNOW...?

- The new plug-in hybrid version of the brand's flagship product is produced exclusively in Kvasiny. The hybrid car is produced on the same line as the combustion-engine SUPERB and the ŠKODA KODIAQ, a highly popular SUV.
- The Kvasiny plant is one of the most modern production sites in the automotive industry. Pursuing the Industry 4.0 philosophy, the plant has recently opened a new automatic warehouse for minor parts while implementing dProduction, an assembly line digitisation project.
- The high voltage batteries to be fitted to the ŠKODA SUPERB iV are manufactured in Mladá Boleslav: used in plug-in hybrid models across the Volkswagen Group, these batteries are adapted for the MQB modular platform.

