



ŠKODA
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PRESS RELEASE

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Video: ŠKODA AUTO uses fully autonomous transport robot at Vrchlabí plant

- › A fully autonomous transport system carries parts between the mechanical measuring centre and processing machines
- › A guided tour is all the robot needs to grasp its route and environment
- › Digitalisation and Industry 4.0 are cornerstones of ŠKODA AUTO's 2025 Strategy

Mladá Boleslav, 28 June 2018 – As a key cornerstone of its 2025 Strategy, ŠKODA AUTO is rigorously advancing the digitalisation of its production process. [As of now, the Czech car manufacturer is using a fully autonomous, self-learning transport robot at the Vrchlabí component plant.](#) This robot is able to recognise obstacles along its journey through the plant and to incorporate other information from its surroundings when planning its route. If necessary, it changes its course to always get to its destination as quickly as possible. It thereby contributes to further improving safety at work and the efficiency of transport processes at the plant.

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Video and Media images:



Video: ŠKODA AUTO uses fully autonomous transport robot at Vrchlabí plant

The autonomous robot contributes to the continuous improvement of work safety in Vrchlabí and helps to minimise work risks. It recognises people crossing its path as well as other vehicles and stationary obstacles.

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Source: ŠKODA AUTO



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The compact robot can transport a load of up to 130 kg. It only needs to be guided between the stations once to learn the route – it can recognise changes to its surroundings autonomously.

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Source: ŠKODA AUTO





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Sophisticated, state-of-the-art technology enables the robot to navigate its environment: using sensors and laser scanners, it recognises vehicles and stationary obstacles as well as people crossing its path. The control system calculates the approach speed and detects if a collision is imminent. In this case, the robot stops by itself or takes evasive action.

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Source: ŠKODA AUTO

ŠKODA AUTO

- › is one of the longest-established vehicle manufacturers in the world. The company was founded in 1895 – during the pioneering days of the automobile. Today, the company's headquarters remain in Mladá Boleslav.
- › currently offers the following models in the range: CITIGO, FABIA, RAPID, OCTAVIA, KAROQ, KODIAQ and SUPERB.
- › delivered more than 1.2 million vehicles to customers worldwide in 2017.
- › has been a part of Volkswagen Group since 1991. Volkswagen Group is one of the most successful vehicle manufacturers in the world. ŠKODA AUTO, in association with the Group, independently manufactures and develops vehicles, as well as components, engines and gear transmissions.
- › operates at three locations in the Czech Republic, produces in China, Russia, Slovakia, Algeria and India mainly through Group partnerships, as well as in Ukraine and Kazakhstan through local partners.
- › employs over 35,000 people globally and is active in more than 100 markets.

