ŠKODA AUTO extends largest corporate data centre in the Czech Republic

› **Car manufacturer ŠKODA AUTO is also one of the leading IT companies in the Czech Republic**
› **Its data centre will be expanded to a computing capacity of 15 petaFLOPS, which equates to 15 quadrillion computing operations per second**
› **ŠKODA AUTO is a leading force in the field of modern technology and is consistently advancing digitalisation**
› **ŠKODA IT plans to offer 80 free positions**

Mladá Boleslav, 19 September 2018 – ŠKODA AUTO is expanding the data centre at its headquarters in Mladá Boleslav into the largest privately owned computing and data storage centre in the Czech Republic. Once the expansion is completed, the data centre will have a computing capacity of 15 petaFLOPS, which equates to 15 quadrillion computing operations per second. Thus, it is capable of extremely challenging high-performance computing (HPC). To further improve energy efficiency, ŠKODA AUTO will use heat generated by the computers' cooling system to heat offices.

Klaus-Dieter Schürmann, Board Member for Finance and IT at ŠKODA AUTO, explained, "To ensure maximum security of the data and biggest possible computing capacity, ŠKODA AUTO needs a data centre with state-of-the-art computing and storage capacity. The expansion of the data centre is proof that ŠKODA AUTO is no longer just a car manufacturer, but is also one of the leading service providers for mobility in the Czech Republic."

The computing performance of the data centre in Mladá Boleslav will gradually become higher. Computing capacity of the high-performance computing will be ten times that large than now. Future capacity will be up to 15 petaFLOPS (floating-point operations per second), which equates to 15 quadrillion computing operations per second with energy consumption of 10 MW. This makes it the Czech Republic's largest corporate private computing and data storage centre. Over an area of almost 1,700 m^2, the computing and storage units will be housed in 500 racks using 210 km of electrical cable. Every hour, more than 4,200 m^3 of water mixed with glycol will flow through the cooling circuit. As part of the company's Green Future environmental strategy, the heat generated by the cooling system will be used to heat offices.

The expanded data centre will act as data storage. The company's Technical Development and Production departments will also use the centre's capacities for virtual-reality representations, visualisations and simulations. ŠKODA AUTO developed the software for some of these technologies itself. In the future, data from connected cars will also be stored here.

As one of the fastest-growing divisions in the company, ŠKODA's IT department is constantly seeking talented employees, who can work on the development of the information and computing systems. Applicants can expect a state-of-the-art work environment equipped with the latest technology and a team of select experts in their fields. Currently 44 IT position are available, 80 positions are to be filled till the end of the year.

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The consistent digitalisation of the company is one of the cornerstones of the 2025 Strategy. With this strategy, ŠKODA AUTO has defined the core areas for the future development of the company. In addition, the focus has been placed on how to convert the profound change facing the automotive industry into continued growth using topics such as electromobility, autonomous driving and connectivity.

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Media infographic and images:

Infographic: ŠKODA AUTO extends largest corporate data centre in the Czech Republic
ŠKODA AUTO is expanding the data centre at its headquarters in Mladá Boleslav into the largest privately owned computing and data storage centre in the Czech Republic. Once the expansion is completed, the data centre will have a computing capacity of 15 petaFLOPS, which equates to 15 quadrillion computing operations per second.

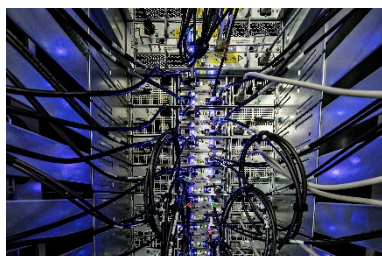Download   Source: ŠKODA AUTO

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The ŠKODA data centre is the largest commercial computing and data storage centre in the Czech Republic. Over an area of almost 1,700 m^2, the computing and storage units will be housed in 500 racks using 210 km of electrical cable.

Download   Source: ŠKODA AUTO

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In its final, expanded state, the data centre will have a computing capacity of 15 petaFLOPS – equating to 15 quadrillion computing operations per second.

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Technical Development and Production will use the expanded data centre for virtual-reality representations, visualisations and simulations.

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DUPS – dynamic back-up power sources that work on a kinetic principle. In the end phase there will be 4 DUPS units and 2 diesel generators. If a blackout occurs, the data centre will still be able to operate continuously for several days.

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The computing performance of the data centre in Mladá Boleslav will gradually become higher. Computing capacity of the high-performance computing will be ten times that large than now.

Download   Source: ŠKODA AUTO

ŠKODA AUTO
› was founded in 1895 during the pioneering days of the automobile and is therefore one of the longest-established vehicle manufacturers in the world.
› currently offers its customers eight model ranges: CITIGO, FABIA, RAPID, OCTAVIA, KAROQ, KODIAQ as well as KAMIQ (in China) 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 such as 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 with local partners.
› employs over 35,000 people globally and is active in more than 100 markets.
› is pressing ahead with the transformation from car manufacturer to 'Simply Clever company for the best mobility solutions' as part of ŠKODA's 2025 strategy.