



Neckarsulm Site Communications

Ulla Wiesentheit
Head of Audi Forum Neckarsulm/Head of
Neckarsulm Site Communications
Phone: +49 7132 31-70100
E-mail: ulla.wiesentheit@audi.de

Sebastian Neumair
Spokesman Neckarsulm Site
Phone: +49 7132 31-79510
E-mail: sebastian.neumair@audi.de

Luise Wörner
Spokeswoman Audi Forum/Neckarsulm Site
Phone: +49 7132 31-79546
E-mail: luise.woerner@audi.de

Carolin Soulek
Spokeswoman Neckarsulm Site
Phone: +49 7132 31-87257
E-mail: carolin.soulek@audi.de

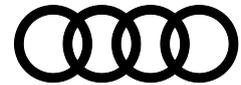
www.audi-mediacyenter.com

March 2020

BASIC PRESS INFORMATION

Audi at the Neckarsulm site

Audi at the Neckarsulm site	2
Modern working worlds	3
Key cornerstones at the site	4
▶ Technical Development	4
▶ Production and Logistics	5
▶ Environmental Protection	6
History of the site	8
• Facts and Figures	10
Fuel consumption of the models cited and currently available on the market*	11



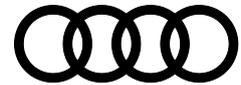
Audi at the Neckarsulm site

Automobiles have been built for over 100 years at the Audi site in Neckarsulm. Driven by innovative ideas, passion and perfection, this site has transformed from a factory for knitting machines to a modern automobile production plant. AUDI AG is one of the largest employers in the Heilbronn-Franken economic region, where 16,935 employees (as of: December 31, 2019) are working for the mobility of the future. The company builds the Audi A4, Audi A5 Cabrio, Audi A6, Audi A7 and Audi A8 and their derivatives at the roughly one million square meter (*10,763,910.4 sq ft*) site. AUDI AG expanded the plant by approximately 30 additional hectares about six kilometers (*3.7 mi*) away in the Böllinger Höfe industrial park in the Heilbronn area. This is the headquarters of Audi Sport GmbH and the production site for the Audi R8* high-performance sports car.

With its **small series and volume production expertise** and the wide range of derivatives, the plant boasts the **greatest product diversity at the Volkswagen Group**. The site also holds a key position in future-oriented projects for **digital production** at the Volkswagen Group and is steadily evolving into a Smart Factory. Neckarsulm is also preparing step by step for **electrification**. The plant already has the greatest concentration of electrified models at one Audi site with the plug-in hybrid and mild hybrid versions of the A6, A7 and A8. Furthermore, in late 2020 Audi Neckarsulm will begin building the **e-tron GT, the first fully electric Audi model at a German site**. In preparation for this, the company has reconfigured production at the Böllinger Höfe so that the Audi R8 and the e-tron GT can be built on one assembly line. The two models will be produced separately in the body shop. A unique combination of craftsmanship and Smart Factory has thus been created.

The **Audi Forum Neckarsulm** is a driving force in the region and far beyond. Some 2.8 million people have visited the brand experience since it opened in May 2005.

- Each day, as many as 150 people pick up their new Audi. Exhibits provide insights into the company's tradition-rich history, the current product lineup and such exciting topics as production at the Neckarsulm site. The Audi exclusive Studio offers a wide range of possibilities for automobile customization and individualization. Over 300 conventions are held each year in the conference rooms. The company's Nuvolari restaurant provides an inviting setting for meals.
- Cultural events from readings to concerts, technology workshops for children and a variety of discovery tours round out the offerings.



Modern working worlds

Attractive employer:

- Audi offers its employees a modern work environment, space for innovation and diverse possibilities for individual development with a high level of job security.
- Audi employees are actively helping to shape future topics such as electric mobility, digitalization and the Smart Factory.
- The corporate values of appreciation, openness, trust, and integrity are a mainstay of the company's culture.
- Several recent rankings, such as the surveys carried out by trendence and Universum, document the high attractiveness of AUDI AG as an employer.

Largest employer in the region:

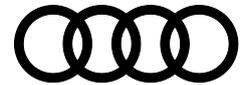
- 16,971 people (as of December 31, 2019) work at the Audi site in Neckarsulm.
- In 2019, 254 apprentices and 14 dual education students were taken on after completing their training.

Top-notch vocational training and continuing education: As a future-oriented company, AUDI AG offers a large number of apprenticeships in the region.

- September 2019 saw some 260 apprentices start their vocational training at Audi.
- In early October 2019, 18 young people began a course of studies at the Baden-Württemberg Cooperative State University (DHBW) and will work at Audi during their practical phase.
- As of December 31, 2019, there were 889 apprentices and 48 dual education students employed at the site.

Time for career and family: Balancing work and family life has traditionally held a high priority at Audi.

- Mobile working provides employees with a lot of flexibility in their daily working lives and enables them to better balance work and family life.
- The company has been working together with "Kids on the move" since 2004; this is an association that offers full-day care in day care centers in Neckarsulm and the vicinity. 73 childcare places were provided at "Kids on the move" and the town of Bad Friedrichshall in 2019. In addition, child care is offered in Neckarsulm in the Easter, Whit, summer and autumn holidays.



- Flexible child care in cooperation with “Kids on the move” has been available in the Plattenwald district of Bad Friedrichshall since 2019. 15 places for short-term day care are available there by the hour, day or week.

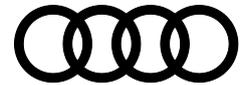
Key cornerstones at the site

The AUDI AG plant in Neckarsulm covers the entire process of automobile production, from development to the finished automobile. Cornerstones at the site are **Technical Development, Production, Logistics and Environmental Protection.**

▶ **Technical Development**

A total of 1,816 people work in the area of Technical Development at Audi’s site in Neckarsulm (as of: December 12, 2019). Focal points are the Lightweight Design Center, fuel cell technology research and the development of highly efficient TDI and TFSI engines.

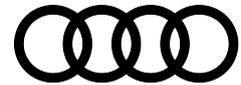
- **Group Competence Center for Fuel Cell Technology:** At the Neckarsulm site’s Fuel Cell Technical Center, experts from a variety of disciplines are conducting research and development work with the aim of industrializing the technology. 70 percent of the employees working there have undergone internal qualification training. The Neckarsulm site expanded its core competence in the field with the establishment of an MEA (Membrane Electrode Assembly) Technical Center in 2019.
- The right amount of the right material in the right place: The engineers at the **Audi Lightweight Design Center** develop not just for Audi, but for the entire Group. Their work includes finding solutions for the demands of models with alternative drives, such as the battery housings of electric models. The goal of development is to design the bodies to be as light as possible while remaining economical. The body of the future will consist of an intelligent multi-material mix and will differ in its composition depending on the segment and the drive type. Also playing a role here are the various lightweight design technical centers at the site, where materials are tested and developed to series maturity.



▶ **Production and Logistics**

The great diversity of models produced at the site makes Neckarsulm one of the most complex plants in the Volkswagen Group. **Logistics** at Audi ensures that vehicle production and market supply are punctual, flexible, and efficient. Mastering this complexity is essential to the model diversity at the plants. Smart Factory principles are anchored throughout the logistics.

- **Pearl chain principle:** An algorithm calculates the **best sequence for the assembly line** from 1.93 billion possibilities. In this way, six days prior to the relevant date, a precise and binding order sequence is defined – the pearl chain principle. The algorithm uses information on ordered cars while taking into account the resulting work for the employees in all work areas so that they can be utilized most effectively.
- **Using data to optimize processes:** An interdisciplinary project team within **Audi Supply Chain** at the Neckarsulm site is exploring how to use data to further optimize the management of a plant. To do this, the logistics specialists at Audi use the largest possible data basis. The focus is on data from suppliers and forwarding agents, congestion information, as well as data from other business areas and the entire production value chain (press shop, body shop, paint shop and assembly). In this way, for example, by visually processing and analyzing large volumes of data we were able to reduce freight costs in one year by a six-digit sum.
- **Drones in vehicle logistics:** Autonomous drones fly over the loading areas at the Neckarsulm site to determine the position of each automobile. The logistics experts thus know the precise location at which a vehicle ready for loading is parked. This makes the loading process even more efficient.
- **Smart logistics** is the automated transport of parts and vehicles. Driverless floor conveyors have been used for automated material transport within the halls since early 2017.



▶ **Environmental Protection**

Audi environmental program “Mission:Zero” encourages more environmental protection

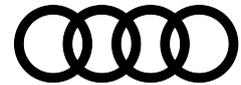
Mission:Zero is the Audi environmental program for consistently sustainable production. All activities and measures for reducing the ecological footprint at the Audi sites worldwide, in Production and Logistics are bundled here. The focus is on Audi’s key challenges of decarbonization, water use, resource efficiency, and biodiversity. One of the key objectives is to achieve CO₂-neutral production locations by 2025.

Mission:Zero at the Neckarsulm site – examples of measures:

- **Recycle:** Audi introduced the Aluminum Closed Loop at the Neckarsulm site back in 2017. The aluminum sheet offcuts that are produced in the press shop are sent straight back to the supplier, who treats and recycles them. Audi then reuses these reprocessed aluminum sheets in its production process. The company saves on balance several thousand tons of CO₂ emissions each year this way.
- **Eco-electricity:** Audi started producing cars at the Neckarsulm site using only eco-electricity in early 2020.
- **Audi Logistics is a climate protection pioneer:** Acting on the initiative of Audi experts, one forwarding agent now delivers their shipments to the Neckarsulm site using trucks powered by bio-methane. The biogas is obtained from waste and residual materials and allows for virtually climate-neutral operation. Instead of the usual diesel-fueled trucks, a tractor unit with electric drive as well as a CNG heavy-duty tractor unit are used for marshaling operations between the trailer yard and the plant site
All rail consignments to the Audi Ingolstadt and Neckarsulm plants have been CO₂-free since mid-2017. Audi handles its logistic shipments by rail entirely carbon-neutral.
- **Conserve resources and avoid waste:** Multiple projects in the areas of Production and Logistics at the site help to meaningfully conserve resources at the supplier and thus systematically reduce waste.
- **Biodiversity:** In 2015, Audi joined the nationwide initiative in Germany “Biodiversity in Good Company” as part of its commitment to protecting biological diversity. Measures undertaken at the site include flower meadows, nesting boxes for birds, bee hives and an insect hotel.

Involvement in the region

The principle of living responsibility is firmly anchored in the Audi strategy.

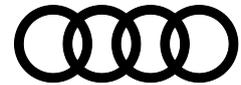


- As the largest employer in the Neckarsulm region, Audi strives to enhance the quality of life here and therefore regularly collaborates with the municipalities, local companies, associations and educational and social institutions.
- Audi bundles community service activities and supports the volunteer efforts of its employees under the motto “**Audi volunteers.**”
- **Donations for a good cause:** In 2019, Audi Neckarsulm employees and the company raised a total of 285,000 euros in donations. The Christmas donation is handed over to charitable institutions in the region. In the Wishing Tree donation campaign, employees also fulfill individual Christmas wishes of disadvantaged children and young refugees each year.
- Audi supports various social institutions in the region according to funding guidelines.
- In 2019, 11 young people with mental and physical disabilities were provided valuable insights into professional life as part of an **inclusion program sponsored by Audi Neckarsulm and the Astrid Lindgren School** in Neckarsulm. In addition to their classroom work, the Astrid Lindgren School students also worked throughout the school year at learning stations at the Audi plant. The third school year for the inclusion program began in September 2019.
- **Shaping mobility:** To ease the traffic situation at the site and make public transport even more attractive to employees, Audi cooperates with the local public transit company Heilbronner Verkehrsgesellschaft (HNV), Deutsche Bahn and the regional city and scheduled bus services. The “Stadtbahn Nord” light rail system began service to two stops directly at the Audi plant in late 2014. Employees benefit from the Audi job ticket, a company-subsidized annual pass for the public transportation system.
Audi has been working with partners in government, public transportation and other companies since 2017 to develop additional measures for improving the transportation situation in the region as part of the Heilbronn-Neckarsulm Mobility Agreement.



History of the site

- 1873 Christian Schmidt establishes a workshop for the production of knitting machines in Riedlingen on the Danube.
- 1880 The company moves to Neckarsulm.
- 1886 Bicycle production begins.
- 1900 Motorcycle production begins in Germany's first motorcycle factory.
- 1906 Production of automobiles begins ("Original Neckarsulmer Motorwagen").
- 1929 World economic crisis puts an end to automobile production.
- 1945 The plant is completely destroyed in World War II; production gradually resumes beginning in mid-1945.
- 1955 NSU Werke AG is the world's largest motorcycle plant.
- 1958 Automobile production resumes with the NSU Prinz I to III.
- 1964 Production of the NSU/Wankel Spider, the world's first production car with a rotary piston engine, begins.
- 1967 Series production of the NSU Ro 80 begins; on account of the futuristic design and rotary piston engine, it is voted "1967 Car of the Year."
- 1969 Merger with Auto Union GmbH Ingolstadt to become Audi NSU Auto Union AG; the majority shareholder is Volkswagen AG.
- 1974/75 The site is threatened with closure during the oil crisis. In the legendary "March on Heilbronn," workers fight successfully to save the plant.
- 1975 To better utilize production capacity, contract manufacturing of the Porsche 924 begins; the Porsche 944 follows shortly thereafter.
- 1982 The Audi 100 achieves a coefficient of drag (C_d) value of 0.30. That is a world record!
- 1985 Introduction of the fully galvanized car body in the Audi 100 and Audi 200.
Company renamed AUDI AG and headquarters moved to Ingolstadt.
- 1988 AUDI AG enters the full-size car class with the Audi V8.
- 1989 Introduction of turbocharged diesel engine with direct fuel injection in a passenger vehicle.
- 1990 First DTM victory for Audi with an Audi V8.
- 1994 Start of production of the Audi A8, the first series-produced vehicle in the world with a completely aluminum body (ASF).
- 2000 Production of the Audi A2, the first aluminum, large-volume production car, begins.
- 2001 Victory in Le Mans with the newly developed FSI direct fuel injection.
- 2005 Audi Forum Neckarsulm opens.
- 2006 German premiere of the Audi R8 sports car.



- 2007 First victory in the 24 Hours of Le Mans with a diesel engine developed in Neckarsulm.
Establishment of the production turntable between the Ingolstadt and Neckarsulm plants with the start of production of the Audi A4 Sedan.
- 2008 Inauguration of the new toolmaking shop.
- 2011 Audi acquires a 23-hectare plot in the Böllinger Höfe industrial park, Heilbronn.
- 2012 Inauguration of the Technical Center for Fiber-Reinforced Polymers and the new Engine Test Center.
- 2013 Audi Neckarsulm receives the J. D. Power award as “Best Production Plant in Europe.”
- 2014 Inauguration of Audi Böllinger Höfe (Logistics Center and R8 production).
- 2015 The Audi Forum Neckarsulm celebrates its tenth anniversary.
- 2016 New Audi A8 production buildings
- 2017 Opening of the Fuel Cell Competence Center.
- 2018 Inauguration of the Technical Center for the Testing of Aluminum Materials.
- 2019 Establishment of an MEA Technical Center for fuel cell development.



Facts and Figures

AUDI AG

Chairman of the Board of Management:	Abraham Schot
Chairman of the Supervisory Board:	Herbert Diess
Employees (AUDI AG):	61,393
Employees (Audi Group):	91,640
Deliveries to customers:	1,845,573 automobiles of the Audi brand
Production:	1,802,073 automobiles (including Lamborghini and CKD)

(all data as of December 31, 2019)

The Audi site in Neckarsulm

Established:	1949
Plant manager:	Helmut Stettner
Area:	Around 1.3 million m ² (<i>approx. 14 million sq ft</i>)
Employees:	16,935
Models*:	Audi A4 Sedan*, Audi A5 Cabriolet*, Audi S5 Cabriolet*, Audi A6 Sedan* and Audi A6 Avant*, Audi A6 allroad quattro*, Audi S6 Sedan* and Audi S6 Avant*, Audi RS 6 Avant*, Audi A7 Sportback*, Audi S7 Sportback*, Audi RS 7 Sportback* Audi A8*, Audi A8 L*, Audi S8* Audi R8 Coupé*, Audi R8 Spyder*
Production:	177,209 automobiles

(all data as of December 31, 2019)



Fuel consumption of the models cited and currently available on the market*

Fuel consumption of the Audi A4 Sedan:

Combined fuel consumption in l/100 km: 6.7 – 3.7 (35.1 – 63.6 US mpg)

Combined CO₂ emissions in g/km: 160 – 98 (257.5 – 157.7 g/mi)

Fuel consumption of the Audi A5 Cabriolet:

Combined fuel consumption in l/100 km: 7.0 – 4.6 (33.6 – 51.1 US mpg)

Combined CO₂ emissions in g/km: 163 – 122 (262.3 – 196.3 g/mi)

Fuel consumption of the Audi S5 Cabriolet:

Combined fuel consumption in l/100 km: 8.0 – 7.9 (29.4 – 29.8 US mpg)

Combined CO₂ emissions in g/km: 181 – 179 (291.3 – 288.1 g/mi)

Fuel consumption of the Audi A6 Sedan:

Combined fuel consumption in l/100 km: 7.2 – 4.0 (32.7 – 58.8 US mpg)

Combined CO₂ emissions in g/km: 165 – 104 (265.5 – 167.4 g/mi)

Fuel consumption of the Audi A6 Avant:

Combined fuel consumption in l/100 km: 11.7 – 4.2 (20.1 – 56.0 US mpg)

Combined CO₂ emissions in g/km: 268 – 109 (431.3 – 175.4 g/mi)

Fuel consumption of the Audi A6 allroad quattro:

Combined fuel consumption in l/100 km: 7.6 – 5.8 (30.9 – 40.6 US mpg)

Combined CO₂ emissions in g/km: 174 – 152 (280.0 – 244.6 g/mi)

Fuel consumption of the Audi S6 Avant:

Combined fuel consumption in l/100 km: 6.5 (36.2 US mpg)

Combined CO₂ emissions in g/km: 171 (275.2 g/mi)

Fuel consumption of the Audi RS 6 Avant:

Combined fuel consumption in l/100 km: 11.7 – 11.5 (20.1 – 20.5 US mpg)

Combined CO₂ emissions in g/km: 268 – 263 (431.3 – 423.3 g/mi)

Fuel consumption of the Audi A7 Sportback:

Combined fuel consumption in l/100 km: 11.6 – 4.3 (20.3 – 54.7 US mpg)

Combined CO₂ emissions in g/km: 265 – 113 (426.5 – 181.9 g/mi)

Fuel consumption of the Audi S7 Sportback:

Combined fuel consumption in l/100 km: 6.5 (36.2 US mpg)

Combined CO₂ emissions in g/km: 170 (273.6 g/mi)

Fuel consumption of the Audi RS 7 Sportback:

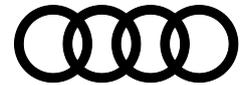
Combined fuel consumption in l/100 km: 11.6 – 11.4 (20.3 – 20.6 US mpg)

Combined CO₂ emissions in g/km: 265 – 261 (426.5 – 420.0 g/mi)

Fuel consumption of the Audi A8:

Combined fuel consumption in l/100 km: 11.4 – 5.7 (20.6 – 41.3 US mpg)

Combined CO₂ emissions in g/km: 260 – 151 (418.4 – 243.0 g/mi)



Fuel consumption of the Audi A8 L:

Combined fuel consumption in l/100 km: 11.1 – 5.8 (21.2 – 40.6 US mpg)

Combined CO₂ emissions in g/km: 254 – 152 (408.8 – 244.6 g/mi)

Fuel consumption of the Audi S8*:

Combined fuel consumption in l/100 km: 11.1 – 5.8 (21.2 – 40.6 US mpg)

Combined CO₂ emissions in g/km: 254 – 152 (408.8 – 244.6 g/mi)

Fuel consumption of the Audi R8 Coupé:

Combined fuel consumption in l/100 km: 13.1 (18.0 US mpg)

Combined CO₂ emissions in g/km: 297 (478.0 g/mi)

Fuel consumption of the Audi R8 Spyder:

Combined fuel consumption in l/100 km: 13.3 – 13.0 (17.7 – 18.1 US mpg)

Combined CO₂ emissions in g/km: 301 – 297 (484.4 – 478.0 g/mi)

* Fuel consumption and CO₂ emissions figures given in ranges depend on the tires/wheels used and chosen equipment level.

The specified fuel consumption and emission data have been determined according to the measurement procedures prescribed by law. Since September 1, 2017, certain new vehicles are already being type-approved according to the Worldwide Harmonized Light Vehicles Test Procedure (WLTP), a more realistic test procedure for measuring fuel consumption and CO₂ emissions. Starting on September 1, 2018, the New European Driving Cycle (NEDC) will be replaced by the WLTP in stages. Owing to the more realistic test conditions, the fuel consumption and CO₂ emissions measured according to the WLTP will, in many cases, be higher than those measured according to the NEDC. For further information on the differences between the WLTP and NEDC, please visit www.audi.de/wltp.

We are currently still required by law to state the NEDC figures. In the case of new vehicles which have been type-approved according to the WLTP, the NEDC figures are derived from the WLTP data. It is possible to specify the WLTP figures voluntarily in addition until such time as this is required by law. In cases where the NEDC figures are specified as value ranges, these do not refer to a particular individual vehicle and do not constitute part of the sales offering. They are intended exclusively as a means of comparison between different vehicle types. Additional equipment and accessories (e.g. add-on parts, different tire formats, etc.) may change the relevant vehicle parameters, such as weight, rolling resistance and aerodynamics, and, in conjunction with weather and traffic conditions and individual driving style, may affect fuel consumption, electrical power consumption, CO₂ emissions and the performance figures for the vehicle.

Further information on official fuel consumption figures and the official specific CO₂ emissions of new passenger cars can be found in the "Guide on the fuel economy, CO₂ emissions and power consumption of all new passenger car models," which is available free of charge at all sales dealerships and from DAT Deutsche Automobil Treuhand GmbH, Hellmuth-Hirth-Str. 1, 73760 Ostfildern, Germany, or under www.dat.de.