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Ingolstadt Site Communications

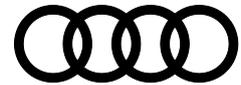
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BASIC PRESS INFORMATION

Audi at the Ingolstadt site

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70th anniversary of the site in Ingolstadt

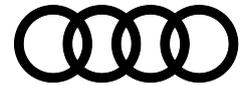
Audi has been building automobiles at its Ingolstadt plant for 70 years. The heart of the Audi Group beats in this major Bavarian city on the Danube: Here is AUDI AG's headquarters, the Audi Group's largest manufacturing facility. The founding of Auto Union GmbH in Ingolstadt in 1949 started a new chapter in the history of the automobile manufacturer, which was previously based in Germany's federal state of Saxony. In buildings of the former Ingolstadt Fort in the center of the city, the company began producing spare parts, motorcycles and DKW vehicles. The company has been building automobiles in the north of Ingolstadt, the current site, for 60 years. In 1985, Auto Union GmbH was renamed AUDI AG, the moniker for the company's products ever since.

Today, Audi is the largest employer and economic powerhouse in the region. More than 44,000 people work together on Vorsprung durch Technik, with some half a million automobiles produced every year. From the initial idea, through development to the finished car, the entire production process for the Audi Q2*, Audi A3*, Audi A4* and Audi A5* models and associated derivatives takes place in the Ingolstadt plant – toolmaking, press shop, body shop, paint shop and assembly shops are all on-site. Logistics areas are located on the site and in the neighboring Logistics Center in Ingolstadt.

Within the Audi Group the Ingolstadt plant plays a key role – as headquarters, lead plant and high-tech site. Five important sites are merged into a common idea foundry in Ingolstadt:

- **Audi plant headquarters with Technical Development and e-competence**
- **Audi manufacturing Münchsmünster** (module/system production and press shop)
- **Audi Neuburg** (Audi driving experience, Competence Center Motorsport/Audi Sport, Audi Sport customer racing)
- **Proving grounds in Neustadt**
- **IN-Campus** (future technology park)

The Audi Ingolstadt site continues to develop into a networked digital factory. Future Audi models are being designed in the new Design Center using state-of-the-art virtual 3D visualization techniques. Modern production systems and high-tech solutions provide for the ultraefficient, sustainable production of new models. Audi production is gearing up gradually for electric mobility. Flexibilization measures lay the foundation for future models; electric mobility and key technologies will be implemented even faster in future as a result.



A look into the future

IN-Campus Project Audi is building for the future. The IN-Campus, a 75-hectare **technology park for highly qualified experts** near the Ingolstadt headquarters is being built on remediated land – the city of Ingolstadt and Audi are using state-of-the-art technology to revitalize an industrial wasteland without sealing any additional areas. This remediation project is one of the biggest in Germany and unprecedented as an environmental project in Bavaria.

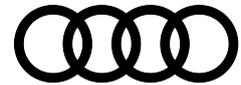
The IN-Campus is an important future project for Audi and the region – a center for development and preliminary design that will one day be a place of work for many experts. On the IN-Campus, Audi will be creating space for diversity and a culture of innovation. It will be a new working world for highly skilled Audi employees and high-tech service providers.

- The industrial wasteland is a former refinery site in the east of Ingolstadt. It ceased operations in 2008, and demolition of the facilities continued until 2013.
- In fall 2015, IN-Campus GmbH (joint venture between the city of Ingolstadt and AUDI AG) acquired the site.
- On the basis of a public remediation contract, the city of Ingolstadt and Audi are remediating this site together with partners and innovative methods.
- In future, 60 hectares will be used as an industrial area, with 15 hectares providing a near-natural compensation area.
- The construction work for the IN-Campus is already underway. The first building is the “Project House” for around 1,400 Audi employees and development partners working in the field of new technologies and will be completed by the end of 2020. The first construction phase will also see completion of a vehicle safety center, an IT center and an energy management center.

The collaboration between private and public sector with the IN-Campus project is a transformation story that serves as a role model for other regions and projects in Germany and Europe.

Train stop and Smart City: Audi is planning for the future. Together the city of Ingolstadt and Audi are also looking for solutions to relieve traffic congestion in the Ingolstadt region. One specific example that is currently being implemented is the “Ingolstadt Audi” train stop at the site in Ingolstadt – a public train connection for the Audi plant.

- This train stop should reduce traffic congestion in the region.
- The four project partners here are DB Station&Service AG, the Free State of Bavaria, the city of Ingolstadt and AUDI AG.
- The station will be inaugurated in December 2019.



The city of Ingolstadt and Audi are working together on new mobility concepts and on a vision of future urban mobility. Audi is developing solutions that allow people to get to their destination comprehensively, safely, simply and intelligently. The success of new digital business models calls for close collaboration between business and cities. Audi aims to be part of the solution with its expertise and local mobility partner in Ingolstadt – paving the way for the Smart City Ingolstadt.

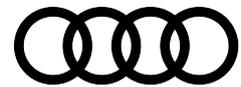
Modern work environments – focus on employees

As an **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 and digitalization. The corporate values of respect, openness, trust and integrity constitute the cornerstone of this culture at Audi. Several recent rankings, such as the surveys carried out by trendence and Universum, attest to the high attractiveness of AUDI AG as an employer.

International team: The Audi Group employs some 91,000 people worldwide, over 61,000 of whom work in Germany. AUDI AG employees come from around 100 countries. Nearly 44,000 employees work at the Ingolstadt site, of whom roughly 1,800 are apprentices or enrolled on dual-study programs.

Top vocational training: Roughly **540 young people** started their vocational training or a dual-study program in Ingolstadt in 2018. The future skilled employees will help shape the future topics in particular at Audi.

Lifelong learning: The issue of training has high priority at Audi. The dissemination and transfer of knowledge are more important than ever as tools for equipping employees to handle the transformation toward the future. **Audi Akademie** is available to the employees of the Audi Group in all matters of competence development and practical training and education. Topics range from personnel development and leadership and collaborative culture, functional and interdisciplinary training, through to courses for developing intercultural skills.



Time for career and family: Audi takes account of the various life phases of its employees and helps them to balance career and family life. This is based on individually flexible **work schedules**. Employees can work remotely or take a sabbatical, for instance. The company is expanding the “**Audi Spielraum**” childcare concept, which combines all activities relating to childcare, along with care options for family members.

Key cornerstones at the site

The AUDI AG plant in Ingolstadt covers the entire process of automobile production, from development to the finished automobile. Cornerstones at the site are Technical Development, Production, Logistics, Quality Assurance and Environment.

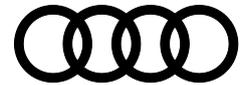
▶ **Vorsprung durch Technik – Technical Development**

The **Technical Development** division of AUDI AG has its headquarters in Ingolstadt. True to the brand claim “Vorsprung durch Technik,” around 10,000 employees work here on innovations for the automobiles of tomorrow. Technical Development’s tasks include everything from the development of new bodies, transmissions, engines, suspensions or vehicle concepts to design and electrical and electronics development.

Enhancing connected collaboration: 450 employees from Development, Model Series and Procurement are working at the SE Forum with the task of shaping the automotive future. SE stands for **simultaneous engineering** – the integrated and concurrent development of products and processes. This further shortens the development cycles of new models. The tallest building on the site is also home to a state-of-the-art test laboratory and testing equipment as well as an innovative IT center.

Lighting the way: The Lighting Assistance Center is located in the basement of the SE Forum. It is a **120-meter-long drive-in light tunnel**. From xenon plus headlights to Matrix LED headlights and laser lights, Audi has been putting pioneering innovations into series production for 20 years.

Perfect testing: The Acoustics, Performance, Mechanical Engineering, Material Strength and Corrosion departments work at the **Physics Center**. Individual components and complete vehicles are tested using a wide variety of measuring and testing devices. All models undergo a realistic test program that includes everything from an exterior noise test rig to a road simulator



and level-track test rig. Suspension Development inaugurated the new **Tank Technical Center** in 2015.

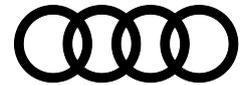
Development here focuses on the different energy sources of gasoline, diesel and natural gas, hybridizing vehicles and minimizing emissions.

The new building offers numerous possibilities: Test routes worldwide are reproduced in the newly created laboratory environment. Work is also done on fuel, natural-gas and SCR systems. The Tank Technical Center also includes the following disciplines: a lab for the “HiL test stands,” suspension electronics, movement test stands with environmental simulation, climate, cold and acoustic chambers, various tank-filling pumps and approximately 500 workplaces on the office floors.

Electronics? – Check! The Electronics Center is outfitted with a wide range of measuring and testing equipment, such as board layouts of the entire vehicle electronics for testing complex components and a climatic roller dynamometer for simulating different weather and road surface conditions. Audio concepts are developed in an **MMI laboratory** (Multi Media Interface) and a **sound laboratory**. This is also the place for all aspects of in-car digitalization and connectivity.

Windproof: The plant in Ingolstadt has its own **Wind Tunnel Center** with three test units: the aero-acoustic wind tunnel, the thermal wind tunnel and a climatic wind tunnel. Optimal aerodynamics are honed at wind speeds up to 300 kilometers per hour (*186.4 mph*). The interior climate control and thermal management of the cars are developed here and the engineers are always working on reducing wind noise.

New Design Center: Audi has developed a new, innovative design process which combines the advantages of state-of-the-art 3D visualization with the strengths of classic model-making craftsmanship – a digital design workshop is located at the Ingolstadt site. Around 600 employees from the areas of Design, Surfaces and Pre-Development work in an area of 37,180 square meters (*400,202 sq ft*). They focus on networked collaboration with new technologies and integrated spatial design. The building is 107 meters (*351.0 ft*) long, 71 meters (*232.9 ft*) wide and around 21 meters (*68.9 ft*) high. The mirrored double glazing adds a striking characteristic feature.



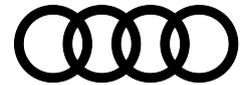
“Get in” a virtual Audi: In the **Design Check** department, vehicle models can be viewed realistically and with accurate details before they are ever built. The virtual reality studios make this possible. The various materials appear tangible and life-like, giving the impression of a car the observer can get into.

Weatherproof drive system: In the **Engine Center**, emissions and fuel consumption measurements are carried out on roller dynamometers under climatic conditions. Driving performance with all-wheel drive is tested in a simulation chamber at altitudes up to 4,200 meters (*13,779.5 ft*). In the adjacent workshops and modern transmission test beds, future units are set up and tested. Established in 2010, the Development and Test Center for Electrified Drive Systems features cutting-edge test rigs for testing electrified drive concepts.

Smart production from the outset: The **Audi Pre-Series Center (VSC)** groups the tasks of Technical Development and Production together in a single area of responsibility. This ensures the economic production of the automobiles from the early development phase.

A tradition of testing quality: For over 20 years, Technical Development has been testing new developments in various driving situations at its own **proving grounds** in Neustadt an der Donau. High-speed tests are conducted on the 4.7-kilometer (*2.9 mi*), three-lane oval track with two banked corners, and performance, fuel consumption, noise, temperature and braking are also measured.

Strategic partnership: Through the **Audi Electronics Venture GmbH (AEV)**, Audi currently holds stakes in nine technology companies, with the aim of generating innovations in strategically important fields of technology and jointly bringing them to market maturity in the automotive industry. A fully-owned subsidiary located in Gaimersheim near Ingolstadt, AEV has been generating momentum and playing an active role in shaping the mobility of the future with us since 2001. Examples of AEV technologies that have been successfully adopted in series production include the Audi virtual cockpit and the Audi connect service traffic light information online. Most recently the AEV has developed the Audi Experience Ride and co-founded the start-up holoride GmbH.



► **Digitalized production of the future**

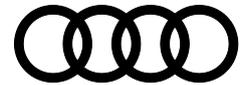
Efficient production systems and the use of new high-tech solution underpin the vision of digitalized production of the future. Audi is synonymous with the highest quality standards, including in times of change as it transforms into a mobility provider. With a clear target vision in sight the company gears the production and logistics processes strategically to future requirements. People are always center stage: Context-sensitive assist systems support people efficiently, including with new forms of human-machine interaction. These save resources, enhance process reliability and ergonomics in the workplace. Audi production is gearing up gradually for electric mobility. Flexibilization measures lay the foundation for future models; electric mobility and key technologies will be implemented even faster in future as a result.

Planned from A to Z: Production and Plant Planning is responsible for the planning of all vehicle projects of the Audi brand, including the design of the product, the manufacturing processes and the production locations worldwide.

- In close cooperation with Technical Development, Production and Plant Planning make automobile production possible. The focus is on customers and their requirements. Photo-realistic models help visualize, analyze and assess customer-relevant vehicle surfaces.
- The Pre-Series Center and Toolmaking are involved in all aspects of new-vehicle development during the prototype phase.
- Production and Plant Planning and its around 1,600 employees establish all the conditions for manufacturing the Audi models in maximum quality.

Precision with passion: Audi stands for the superb quality of car bodies – by means of small radii, homogeneous surfaces and exact dimensions. The **Equipment and Metal Forming Technology competence center**, the amalgam of Audi toolmaking and press shops in the individual Audi sites, supplies as general contractor both Audi and other Volkswagen Group brands with forming tools and body-manufacturing equipment. It currently employs over 4,500 employees at the sites in Ingolstadt (1,100 including Münchsmünster), Neckarsulm, Barcelona (Spain), Győr (Hungary), San José Chiapa (Mexico) and Beijing (China).

From sheets to complex geometries: At the **press shops**, an area of the Equipment and Metal Forming Technology competence center, steel and aluminum sheets are formed into extremely precise body parts.



- The forming tools and tremendous press forces convert steel or aluminum rolls, called “coils,” into the complex geometries of the individual parts in up to six process steps. Particular attention is paid to surface quality.
- Sheeting that is cut away in the metal forming process and is not required for the production process is recycled.
- In 2018, Audi started testing software developed in-house based on artificial intelligence for quality checks in the Ingolstadt press shop. Audi will use machine learning in future in series production.
- Approximately 1,300 employees work in the press shop in Ingolstadt. Each day, they process roughly 1,310 metric tons of sheet metal, including 58 metric tons of aluminum, into 492,000 individual body parts.

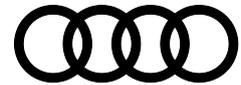
Leading the way in metal 3D printing: Planners and toolmakers are doing research into 3D printing, working together closely with designers and developers. At the metal 3D printing center, which is located in the Equipment and Metal Forming Technology competence center in Ingolstadt, Audi experts use laser melting processes to produce steel and aluminum parts from metal powder. This process is used in production tools. This method could be used to manufacture components for limited production vehicles in the future.

Like magic: The **body shops** are advanced manufacturing facilities characterized by innovative production technologies and maximum flexibility. Reflecting the focus on efficiency and sustainability during their planning, they feature an automatic matrix lighting control system, photovoltaic systems for renewable power generation on the roof and energy consumption analyses.

- Direct collaboration between humans and machines is already reality here: Robots assist employees in the body shop.
- 3,200 employees and around 4,700 robots build car bodies with maximum precision at the Ingolstadt body shop.

The perfect finish: At the Ingolstadt site’s **paint shop**, it takes several coordinated stages of manufacture to paint in 25 different standard colors at present. Customers’ individual color requirements can also be met. Quality is always top priority, from cathodic dip coating to base coats and clear coats.

- Every day, the roughly 2,500 paint shop employees make sure that innovative Audi designs of the Audi Q2, Audi A3, Audi A4, and Audi A5 models gleam in all the right colors.



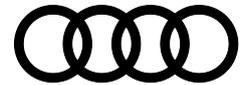
- The employees' painting experience and intuition as well as a keen eye for detail are essential. Highly skilled young workers are trained on-the-job in the paint shop.
- Audi inaugurated its eco-friendly topcoat paint shop with air recirculation, dry separation, exhaust air treatment and ergonomic workstations at its Ingolstadt plant in 2016.
- Modern application systems conserve resources:
 - Air recirculation conserves energy and reduces organic solvents.
 - Paint separation with stone dust rather than water conserves water.
 - The paint shop is being modernized with state-of-the-art technology (bell-bell application, new thermal afterburning, LED lighting)

Innovative production technologies: In the **assembly shop** in Ingolstadt, roughly 7,200 people working in three shifts assemble Audi models, with no two cars alike – each Audi is individual.

- At the assembly shop, the “**electronic quality check**” (eQP) serves to ensure that the high-quality requirements are fulfilled.
- The “electronic vehicle job card” (eWBK) has also been in successful operation for several years. It displays on monitors exactly which component the employee needs for each car.
- Human-robot collaboration is integrated into the assembly process: A robot “colleague” works side-by-side with the employees without any safety fencing. “Robot-assisted adhesive application,” abbreviated from the German as KLARA, supports the installation of large CFRP roofs.
- Due to the growing variety of models and variants, a new memory module that provides greater storage capacity has been installed on the A3/Q2 assembly line.

▶ **Punctual, flexible and efficient – logistics and the Logistics Center**

Logistics has become much more important in the automotive industry. The growing variety of models is increasing process complexity along the entire value chain. Logistics at Audi ensures that vehicle production and market supply are punctual and flexible, with minimal throughput times and the smallest possible inventories. To master the complexity created by the variety of models at the plants, Smart Factory principles are already firmly integrated into the logistics processes.



Like at the airport: Audi Logistics at the Ingolstadt site introduced **Truck Quick Check-In**. This system directs the trucks delivering purchased parts and admits them to the plant according to priority. The truck control point functions like an airport control tower. The self-controlled delivery process is based on innovative geofencing technology.

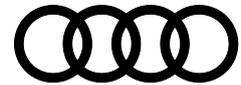
Smart logistics: Another key area of developments in logistics are **automated transport of parts and vehicles**. Since commissioning of Hall B at the Logistics Center at Ingolstadt in January 2017, Audi has been using driverless floor conveyors for automated materials handling in production operation for the first time. The use of these in-plant materials handling systems has been expanded continuously ever since. Audi also combines classic warehousing in a parts supermarket with automated guided vehicles (AGV). With this new way of order picking according to the goods-to-person principle, the parts are automatically retrieved and transported to a fixed picking station. Loading of vehicles has also been automated. “Ray” is a parking robot that picks up the new cars at a transfer station, sorts them by destination and marshals them for loading onto railcars.

Just-in-sequence delivery to the Logistics Center: Modern logistics is characterized by short information and transport paths as well as by environmental awareness. The location of the **Logistics Center** directly at the gate of the Audi site in Ingolstadt serves to attract important logistics functions and JIS systems suppliers. The advantages of the Logistics Center for Audi are supply reliability, the ability to master complexity and the reduction of logistics costs.

Clever material delivery: Module suppliers fabricate their products just in sequence in **assembly centers** and are responsible for delivering them to the assembly lines. Materials are delivered directly to the assembly lines by electric tractor.

Hall B with 30,000 square meters (*322,917 sq ft*) of usable floor space was inaugurated in early 2017. At this **production and logistics workshop**, Audi employees produce cockpit and rear axle modules at the pre-assembly center, which are then delivered to the production lines just-in-sequence.

In addition, 13 external suppliers and service providers currently supply Audi via the Logistics Center. The Logistics Center also includes a **Consolidation Center** housing the CKD (completely knocked-down) packaging plant. With short paths between logistics and production, the logistics areas close to the production line are ideal.



History and facts: The Logistics Center, which opened in 1995, has two investors and owners: IFG Ingolstadt, a company fully owned by the city of Ingolstadt, and LGI GmbH, a joint subsidiary of IFG Ingolstadt and AUDI AG. The 122-hectare site is home to 17 halls with 492,000 square meters (*5,295,843.9 sq ft*). The Logistics Center strengthens Ingolstadt as a business location, creates new jobs and reduces environmental pollution by reducing truck traffic.

► **Premium quality for the digital age – quality assurance**

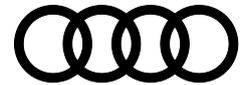
Core competence quality: Audi customers and users have high expectations when it comes to the quality, comfort and reliability of their car. Robust vehicle functions, precise suspensions and consummate materials, workmanship and feel are the hallmark of the high-quality overall impression of every Audi model. This is the task of Audi Quality Assurance at all plants worldwide. It follows the multi-award-winning products using process-oriented quality management – from development through production up to technical service and ongoing success in the markets.

From Driving Experience to Experience Drive: In the digital age, Quality Assurance is taking on extra new tasks. The aim is to validate the quality of alternative drives and to ensure automobile connectivity and connectivity with the environment. Another focal issue is automated driving, the reliability of which is crucial to customer confidence in the new technology. With increasingly digital methods and processes as well as individual service offerings, Quality Assurance contributes specifically to the sustainable, connected and automated premium driver experience of the future.

► **Economics and ecology in harmony – environmental protection at Audi**

Audi is committed to the sustainable use of raw materials and resources for the conservation of the environment. Audi openly communicates about its environmental protection work and involves all employees in these activities. This allows the company to sustainably implement its environmental policy objectives. As a party to the fifth Bavarian Environmental Pact, AUDI AG is making an important contribution to environmental protection.

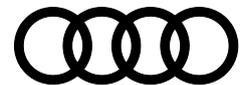
On the road to sustainable mobility: AUDI AG aims to ensure that the environmental balance of a car during its entire life cycle is optimized before the first kilometer is driven. Audi is therefore working continuously on reducing the environmental footprint of car production. The Audi Group has set itself challenging targets for conserving resources: Through 2025 the environmental



impact of the Audi production sites should be reduced by 35 percent per produced vehicle compared with the reference year 2010 – in relation to the key environmental metrics for energy, CO₂ emissions, fresh water, waste and volatile organic compounds (VOC). Greater weight is attached to global factors such as energy and CO₂ emissions. There are plans to reduce CO₂ emissions associated with the supply of energy at the German sites by 40 percent per vehicle manufactured by 2020. Audi is pursuing a vision of manufacturing automobiles completely CO₂-neutral and wastewater-free over the long term.

A car factory goes green – examples at the Ingolstadt site:

- **Recycle:** Audi has been operating a highly environmentally compatible paint shop at the Ingolstadt site since 2016. Dry separation of the paint particles, air recirculation and exhaust air treatment significantly reduce thermal energy and water consumption as well as CO₂ emissions compared to conventional systems. Emissions of VOCs are reduced by over 90 percent.
- **Water recycling:** To save water, Audi has built a membrane bioreactor in Ingolstadt. Three treatment stages turn wastewater back into hygienically safe industrial water. In future, this will allow up to a third of fresh water to be saved in production.
- **Energy management:** At Audi's Ingolstadt site some 120 energy efficiency measures saved just under 34,300 megawatt hours of energy and CO₂ emissions of over 5,350 metric tons in 2018.
- **Green electricity:** Audi started producing cars in Ingolstadt using only green electricity in early 2012. Audi Neuburg and Audi manufacturing in Münchsmünster are also supplied with electricity generated from entirely renewable resources.
- **Audi Logistics is a climate protection pioneer:** 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.
- **Emissions-free locomotives:** Two modern plug-in hybrid locomotives are used at Ingolstadt for shunting work.
- **Photovoltaics:** At the Ingolstadt headquarters, Audi has installed photovoltaic modules over an area of around 23,000 square meters (*247,570 sq ft*). All together, the systems generate roughly 1,800 MWh per year.
- **Use waste heat:** The Ingolstadt and Neuburg sites are supplied with waste heat with minimal CO₂ from the nearby industry, including from the neighboring refinery and the municipal waste incineration plant. Through the heat recycling system, Audi used around 85,000 megawatt hours of energy from waste heat in 2018 and saved around 15,500 metric tons of CO₂.



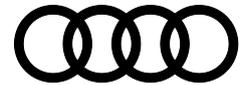
- **Sustainable building:** Audi received the Platinum Certificate of the German Association for Sustainable Building for the sustainable construction of the customer building at the Audi Neuburg site.
- **Biodiversity:** In 2015, Audi joined the nationwide initiative in Germany “Biodiversity in Good Company” as part of its commitment to protecting biological diversity. The largest biodiversity project is at present the open spaces at the Münchsmünster site. Here targeted measures have created habitats for numerous species of animals and plants. There is also a biodiversity concept for Audi Neuburg.
- **Sustainable land recycling:** IN-Campus GmbH, a joint venture between AUDI AG and the city of Ingolstadt, is remediating a 75-hectare industrial wasteland in the east of Ingolstadt, thus creating the conditions for a new, state-of-the-art commercial and industrial park through the end of 2022. This is one of the largest projects of its kind at present in Germany and the first complete remediation of a refinery site ever to take place in Bavaria.

Involvement in the region

The principle of putting responsibility into practice is firmly anchored in the Audi strategy. As the largest employer in the Ingolstadt region, Audi aims to enhance the quality of life here and therefore regularly collaborates with the city, local companies, associations, and educational and social institutions.

Working together for a good cause: Audi bundles community service activities and supports the volunteer efforts of its employees under the motto “**Audi Volunteers.**”

- The Ingolstadt site will celebrate Audi Volunteer Day again in 2019. Audi employees spent the day working in the region’s social institutions.
- As part of the two-week initiative “**Autumn: A Time to Give**” employees spend part of their leisure time in care homes.
- Audi employees who are interested in doing something to help others beyond the framework of such initiatives can find a suitable volunteering opportunity on the company intranet.
- Audi also supports various social institutions in the region according to its funding guidelines.
- The company is also supporting multiple vocational school classes in Ingolstadt, where young refugees are prepared to obtain a German school-leaving certificate so they can move onto vocational training in the region.



Focus on education and research: Audi is working in Ingolstadt and the region to make the area even more attractive as a location for science. The company also wants to encourage young people to study in technical and scientific fields.

- **Academic cooperations**, such as with the TH Ingolstadt (THI) and KU Eichstätt-Ingolstadt (joint research projects)
- “Science in dialog”: This public lecture series with professors has been running since 2004 and will shortly reach the 30,000 attendee mark.
- Electric Mobility advanced training program for drive system developers in collaboration with TH Ingolstadt
- Entry-level qualification programs to assist young people who have not been able to secure an apprenticeship or vocational training.
- Programs for school students: Jugend forscht science fair, Girls’ Day, Girls for Technology camp

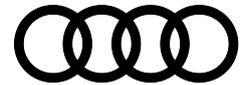
Shaping mobility: Audi is working with the Ingolstadt public transit company (INVG) and Deutsche Bahn, among others, to reduce traffic around the site. Residents in the region also benefit from the expansion of the bus network. The company is continually expanding its mobility services for employees. For example, the project to add a train stop directly at the site is now taking shape. This joint project of the city of Ingolstadt, the Free State of Bavaria, Deutsche Bahn and AUDI AG is aimed at relieving traffic congestion in the Ingolstadt region and provides improved mobility for Audi employees. The train stop is due to open at the end of this year.

Audi’s experience in sports

On a regional level, Audi is active as a dependable **sports sponsor**. For more than a decade now, the brand has been a partner of the ERC Ingolstadt ice hockey club – the 2014 German champions. Audi has a long-standing association with the soccer players of FC Ingolstadt 04 as principal sponsor. The home games of the Bundesliga team are played at the Audi Sportpark. Audi places special emphasis on promoting **youth development:**

- Since the Audi Schanzer Soccer School was founded in 2009, more than 30,000 children have attended its holiday camps.
- And 22 young talented players of FC Ingolstadt 04 and ERC Ingolstadt attend the Audi Sport Academy, which is a boarding school for child athletes.

In addition to these two clubs, Audi is also a partner of the MTV athletics department. The Ingolstadt Dukes and a wide range of sporting events are also sponsored, which are run



as the Bavarian Championships or attract a large number of participants and spectators: for instance the Ingolstadt half-marathon and the Ingolstadt Triathlon, the Reitertage Hagau (equestrian) and the Ice Gala.

Audi's experience in culture

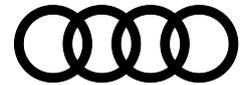
Audi has been sponsoring cultural activities for more than 50 years. The Audi Wind Philharmonic, a factory orchestra that arose from an employee initiative, was the starting point for the cultural involvement of Audi. Under the **Audi ArtExperience** banner, the company now brings together a **diverse cultural program** that ranges from cooperation with world-famous cultural institutions to own events in the region and valuable projects for young artists. In the Ingolstadt region the Audi Summer Concerts or appearances of the Audi Young Persons' Choral Academy provide concert highlights. Audi is also founding member and sponsor of the Foundation for Concrete Art and Design Ingolstadt and provides employees and customers with outstanding art experiences.

Audi supports the following cultural events and institutions in Ingolstadt:

- Audi Summer Concerts
- Audi Philharmonic Wind Orchestra
- Foundation for Concrete Art and Design/Museum of Concrete Art
- City Theater Ingolstadt
- Ingolstadt Georgian Chamber Orchestra
- Ingolstadt Jazz Days
- Jazz in the Audi Forum Ingolstadt
- After Work Jazz Lounge
- Audi Art House Cinema
- 20 minmax – international short film festival
- Taktraumfestival
- Audi Young Persons' Choral Academy

Audi Forum Ingolstadt: the brand gateway

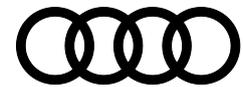
The Audi Forum Ingolstadt is the Audi **experience world** at the company's largest site. Each year it offers some 400,000 visitors from the region and throughout the world a wide range of opportunities to get to know the brand with the four rings.



- Last year, some 115,000 visitors and companions picked up a new Audi from the **Customer Center** and got their first taste of driving the vehicle on the Audi Forum piazza.
- The **Audi museum mobile** is also part of the Audi Forum Ingolstadt. With over 100 exhibits in its permanent collection and changing special exhibitions, the museum focuses on the Audi brand with its rich tradition.
- **Discovery tours** through the plant offer visitors an insight into ultramodern automobile production at the Ingolstadt site.

Popular attraction and tourist highlight

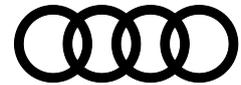
- The **Audi Art House Cinema** is open daily and has won several awards for its selection of movies.
- The Audi Forum Ingolstadt is a popular meeting point thanks to the wide variety of events held there. Together with the Birdland Jazz Club Neuburg as the organizer, Audi has presented the successful concert series **Jazz at the Audi Forum Ingolstadt** with musicians from all over the world since 2001. In the **Audi.torium**, celebrities and people with unusual lives or occupations engage in discussions with the audience. And the Audi Art Space offers insights into the work of various artists.
- Children and teenagers enjoy the “**Audi young and fun**” **discovery trail**.
- Visitors can purchase high-quality Audi articles from the **Audi Shop** and the **Museum Shop**. Companies from all over Germany appreciate the conference area with meeting rooms of various sizes.
- The **gastronomy center** includes the live-cooking market restaurant, the fine dining Restaurant AVUS, and the Bar & Lounge.



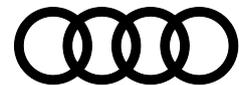
History of the site

The heart of the Audi Group beats at the Ingolstadt site. The founding of Auto Union GmbH in Ingolstadt 70 years ago started a new chapter in the history of the automobile manufacturer, which was previously based in Germany's federal state of Saxony. In buildings of the former Ingolstadt Fort, the company began producing spare parts, motorcycles and DKW vehicles. Auto Union GmbH has operated under the AUDI AG name since 1985. Products and company have borne the same name ever since.

- 1945 On December 3, founding of Zentraldepot für Auto Union Ersatzteile Ingolstadt GmbH in Ingolstadt, Schrankenstrasse 3
- 1946 Start of spare parts production.
- 1948 In August, removal of the "old" Auto Union from commercial register in Chemnitz, in Ingolstadt start of development of a delivery truck
- 1949 On September 3, founding of Auto Union GmbH as a production company in Ingolstadt, start of production of DKW Schnellaster and DKW RT 125 W motorcycle
- 1954 Inauguration of the new motorcycle plant in Ingolstadt
- 1958 On April 24, acquisition of majority share in Auto Union by Daimler-Benz AG; fully-owned subsidiary through end of 1964
Cornerstone laid for new automobile factory in Ingolstadt; end of motorcycle production
- 1959 First DKW Junior from the new plant in Ingolstadt.
- 1962 In June 1962, sale of facilities in Düsseldorf to Daimler-Benz AG; vehicle production primarily in Ingolstadt.
- 1964 In December, acquisition of majority share in Auto Union by Volkswagenwerk AG; fully-owned VW subsidiary since late 1966
- 1965 The first post-war Audi built in Ingolstadt; successive discontinuation of production of DKW models
- 1969 Merger of Auto Union GmbH and NSU Motorenwerke AG create Audi NSU Auto Union AG with headquarters in Neckarsulm
- 1972 Market introduction of Audi 80, a bestseller from Ingolstadt
- 1980 Start of production of the Audi quattro in Ingolstadt
- 1985 Company renamed AUDI AG with headquarters in Ingolstadt, product and company have borne the same name ever since.
- 1992 Opening of Audi Customer Center



- 1995 Start of construction of the Logistics Center in Ingolstadt
- 2000 Inauguration of Audi Forum Ingolstadt (Customer Center, Audi museum mobile, art house cinema, gastronomy)
- 2009 Centenary of the Audi brand. 60th anniversary of the site in Ingolstadt
- 2011 Ten-millionth automobile of the Audi 80/Audi A4 series
- 2013 Inauguration of module and system production and Münchsmünster press shop near Ingolstadt
- 2014 Opening of Audi Neuburg: Audi driving experience and Competence Center Motorsport/Audi Sport.
- 2015 Opening of Audi Akademie in downtown Ingolstadt
Land acquired for future IN-Campus technology center
- 2016 New topcoat paint shop and new office complex
Launch of Audi Q2* SUV
- 2017 New production and logistics hall at the Logistics Center in Ingolstadt
New Design Center
- 2018 Groundbreaking for “Ingolstadt Audi” train stop at the site
Remediation and start of construction on IN-Campus site



Facts and Figures

AUDI AG

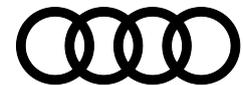
Chairman of the Board of Management:	Abraham Schot
Chairman of the Supervisory Board:	Herbert Diess
Employees (AUDI AG):	61,497
Employees (Audi Group):	91,674
Deliveries to customers:	1,812,485 automobiles of the Audi brand
Production:	1,871,386 automobiles (including Lamborghini and CKD)

(all data as of December 31, 2018)

The Audi site in Ingolstadt

Established:	1949
Plant director:	Albert Mayer
Area:	2,737,500 m ² (29,466,205 sq ft)
Employees:	44,526
Models*:	Audi Q2, Audi SQ2 Audi A3 Sportback, Audi A3 Sportback e-tron, Audi A3 Sportback g-tron, Audi S3 Sportback, Audi RS 3 Sportback, Audi A4 Sedan, Audi A4 Avant, Audi A4 Avant g-tron, Audi S4 Sedan, Audi S4 Avant, Audi A4 allroad quattro, Audi RS4 Avant, Audi A5 Sportback, Audi A5 Sportback g-tron, Audi A5 Coupé, Audi S5 Sportback, Audi S5 Coupé, Audi RS 5 Coupé, Audi RS5 Sportback
Production:	491,262 automobiles

(all data as of December 31, 2018)



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

Fuel consumption of the Audi Q2:

Combined fuel consumption in l/100 km: 7.2 – 4.4

Combined CO₂ emissions in g/km: 163 – 114

Fuel consumption of the Audi SQ2:

Combined fuel consumption in l/100 km: 7.2 – 7

Combined CO₂ emissions in g/km: 163 – 159

Fuel consumption of the Audi A3 Sportback:

Combined fuel consumption in l/100 km: 8.5 – 3.9

Combined CO₂ emissions in g/km: 195 - 103

Fuel consumption of the Audi A3 Sportback e-tron:

Model not currently available (as of March 14, 2019)

Fuel consumption of the Audi A3 Sportback g-tron:

Model not currently available (as of March 14, 2019)

Fuel consumption of the Audi S3 Sportback:

Combined fuel consumption in l/100 km: 7 – 6.8

Combined CO₂ emissions in g/km: 158 – 155

Fuel consumption of the Audi RS 3 Sportback:

Combined fuel consumption in l/100 km: 8.5

Combined CO₂ emissions in g/km: 195 – 194

Fuel consumption of the Audi A4 Sedan:

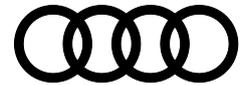
Combined fuel consumption in l/100 km: 6.7 – 4.2

Combined CO₂ emissions in g/km: 156 – 110

Fuel consumption of the Audi A4 Avant:

Combined fuel consumption in l/100 km: 9.2 – 4.2

Combined CO₂ emissions in g/km: 208 – 111



Fuel consumption of the Audi A4 Avant g-tron:

Model not currently available (as of March 14, 2019)

Fuel consumption of the Audi S4 Sedan:

Model not currently available (as of March 14, 2019)

Fuel consumption of the Audi S4 Avant:

Model not currently available (as of March 14, 2019)

Fuel consumption of the Audi A4 allroad quattro:

Combined fuel consumption in l/100 km: 6.8 – 6.6

Combined CO₂ emissions in g/km: 154 - 149

Fuel consumption of the Audi RS4 Avant:

Combined fuel consumption in l/100 km: 9.2

Combined CO₂ emissions in g/km: 208 – 208

Fuel consumption of the Audi A5 Sportback:

Combined fuel consumption in l/100 km: 9.1 – 4.3

Combined CO₂ emissions in g/km: 207 - 113

Fuel consumption of the Audi A5 Sportback g-tron:

Model not currently available (as of March 14, 2019)

Fuel consumption of the Audi A5 Coupé:

Combined fuel consumption in l/100 km: 9.1 – 4.3

Combined CO₂ emissions in g/km: 206 – 112

Fuel consumption of the Audi S5 Sportback:

Model not currently available (as of March 14, 2019)

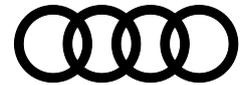
Fuel consumption of the Audi S5 Coupé:

Model not currently available (as of March 14, 2019)

Fuel consumption of the Audi RS5 Coupé:

Combined fuel consumption in l/100 km: 9.1

Combined CO₂ emissions in g/km: 206



Fuel consumption of the Audi RS5 Sportback:

Combined fuel consumption in l/100 km: 9.1

Combined CO₂ emissions in g/km: 207 - 206

*Fuel consumption and CO₂ emissions figures given in ranges depend on the tires/wheels used and chosen equipment level. 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-Scharnhausen, Germany (www.dat.de).