

Automotive.

Thuringia – Automotive hub with all assets.



Thuringia has an irresistible attraction for the automotive industry: Global players such as Opel/PSA, Magna, Bosch, BMW, Daimler, IHI and BorgWarner have set up production here.

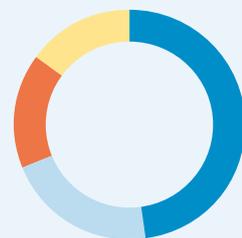
Thuringia is a central location that is never far from Germany's and Europe's carmakers. Around 660 automotive manufacturers and supplier companies have production operations in Thuringia; around 68,000 people work in the industry. Together, they generated over € 9.4 billion in revenue in 2017. Alongside large corporations, many nimble mid-sized firms drive growth in this sector. One of the strengths of the Thuringian industry is its wide range of technological competencies. Auto manufacturing has deep roots in the state: Already in the early 20th century, BMW produced their first car in Thuringia. Today, half of all Daimler engines are manufactured in a plant in Thuringia.

i *Thuringian automotive industry at a glance*

The portal „virtual automobile“ represents the know-how of more than 500 companies of the Thuringian automotive industry. The search function reveals potential partners for production and research & development.

www.virtuelles-automobil-thueringen.de

*Product segments
by employees*



(Source: Study „Paths to sustainability for the automotive supplier industry in Thuringia“, 07/2018)

*More information
on the automotive
location Thuringia*

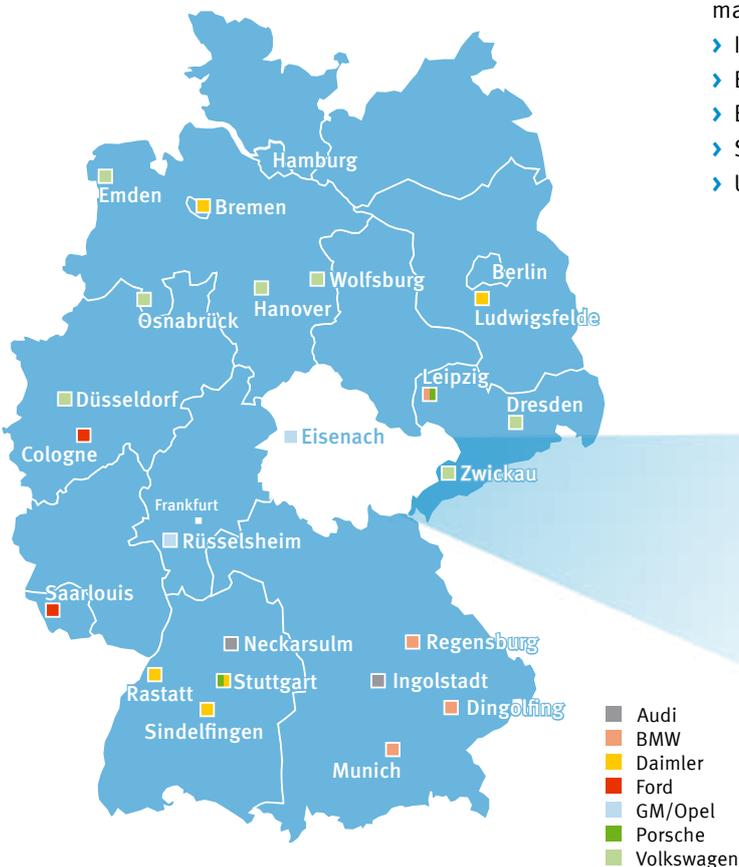




A fast-track network.

The Eisenach region is the physical nucleus of the industry: it lies at the geographical center of Germany.

In other words, businesses who invest in Thuringia benefit from close proximity to Germany's and Europe's major carmakers. Five autobahns connect Thuringia to all major cities and production centers. The airports in Erfurt, Leipzig and Frankfurt can be reached quickly. Within a mere five hours, you can get to any automotive location in Germany from Thuringia.



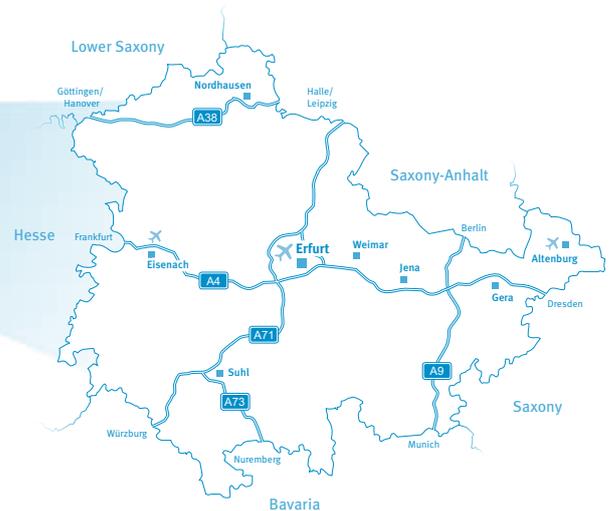
Sought-after specialists with great ideas.

Thuringia has been making cars for over a hundred years. It still draws enormous expertise from this tradition.

Local universities produce far more engineers than the national average. One degree program specifically targeting the automotive industry is Automotive engineering (B. Sc./M. Sc.) at the Ilmenau University of Technology.

Other specialized programs such as mechanical engineering, material flow and logistics or mobility management are offered by:

- › Ilmenau University of Technology
- › Ernst Abbe University of Applied Sciences Jena
- › Erfurt University of Applied Sciences
- › Schmalkalden University of Applied Sciences
- › University of Cooperative Education Gera-Eisenach (DHGE)



New trends in the automotive industry.

Close ties between business and academia drive the shift to sustainable mobility.

Automotive firms in Thuringia benefit heavily from the research ecosystem and the declared goal of all companies and researchers to make the state one of Europe's premier technology centers. The Thuringian Economics Ministry provides incentives and institutional structures to help car parts suppliers adapt quickly to the fundamental changes in the automotive industry such as new drive systems, lightweight construction or self-driving vehicles.

The Thuringian Innovation Center for Mobility (ThIMo) supports the industrial change towards a sustainable mobility. The vision of ThIMo is to find scientific solutions for challenges associated with mobility. Environmental responsibility, intelligence, digitized solutions and complex mobility networks are in the focus of research. The center has more than 200 active collaborations with national and international partners from research and industry that have access to state-of-the-art research equipment and benefit from the large network and competences gathered within the center.

www.mobilitaet-thuringen.de

Selected research institutions, R&D service providers and technology agencies in Thuringia:

- › CiS – Research Institute for Microsensors, Erfurt
- › Institute for Microelectronic and Mechatronic Systems (IMMS), Ilmenau
- › Fraunhofer Institute for Applied Optics and Precision Engineering (IOF), Jena
- › Thuringian Institute of Textile and Plastics Research (TITK), Rudolstadt
- › GFE – Association for Production Engineering and Development, Schmalkalden
- › Günter Köhler Institute for Joining Technology and Materials Testing (IFW), Jena
- › IMG Electronic & Power Systems, Nordhausen
- › adapt engineering, Nordhausen
- › ThEGA – Thuringian Energy and GreenTech Agency, Erfurt

Study

“Paths to sustainability for the automotive supplier industry in Thuringia”

The global automotive industry is undergoing a profound structural change, which in the coming 10 to 15 years is set to radically change the sector. This study, which was completed in July 2018, provides important stimuli for the “Thuringia Automotive Agenda” of the Free State of Thuringia, which is intended to guide and support the sector's transformation process.

automotive thüringen

Companies such as BMW, Borbet, Lear, MDC Power (Daimler), SAMAG or EDAG are among the circa 100 members of automotive thüringen, an industry association.

This alliance of businesses, universities and research institutions supports Thuringian car parts manufacturers and actively promotes the competitiveness and future sustainability of Thuringia as an automotive location. In addition, automotive thüringen helps its members cooperate, analyze markets, foster cooperation networks among its members, gain quicker access to OEMs and present their products and services at trade shows and industry events.

www.automotive-thuringen.de





Selected companies

Global players in the automotive industry with sites in Thuringia

Continental Automotive, Mühlhausen

Lear Corporation, Eisenach

Magna Int. Stanztechnik, Heiligenstadt

Robert Bosch Fahrzeugelektrik Eisenach, Eisenach

ZF Friedrichshafen, Gotha

further specialized suppliers/OEMs:

Benteler Automobiltechnik Eisenach, Eisenach

BMW Fahrzeugtechnik, Krauthausen/Eisenach

Borbet Thüringen, Bad Langensalza

Eaton Germany, Nordhausen

Continental Emitec, Eisenach

FEUER powertrain, Nordhausen

Hako, Werk Multicar, Waltershausen

Mubea Fahrwerksfedern, Weißensee

Meleghy Automotive, Gera

Truck-Lite Europe, Eisenach

SAMAG Truck Components GmbH, Königsee

Success made in Thuringia.

Thuringia offers outstanding growth opportunities for carmakers and auto parts manufacturers with various competencies.

CATL

The Chinese battery manufacturer Contemporary Amperex Technology Ltd. (CATL), one of the leading producers worldwide, is building its first factory outside of China in Arnstadt on a 70 hectares site. In a first step, CATL will create 600 jobs and invest €240m in Germany's first battery production plant.

IHI Charging Systems International

This company develops and produces high-efficiency turbochargers. As part of the Japanese IHI group – one of the largest makers of turbochargers and charging systems for cars and commercial vehicles – IHI Charging Systems International GmbH relocated its headquarters to Arnstadt and employs about 440 people.

BORBET

Since 2004, Borbet operates Europe's largest plant for aluminium wheels in Bad Langensalza, Thuringia, and employs 900 staff. The location Bad Langensalza was chosen for its history in aluminum and magnesium casting and the available local expertise and qualified workers.

BorgWarner Transmission Systems

The skilled labor pool, excellent traffic links and ready support provided by the regional government convinced US car parts maker BorgWarner to expand to Thuringia. In Arnstadt, the company built a state-of-the-art facility for producing clutches for double clutch transmission drive systems, e.g. for the Bugatti Veyron.

MDC Power

MDC Power GmbH, a Daimler subsidiary, was established in 2003. From the start, the engine manufacturer has focused on delivering top quality and steadily expanded its product range. Today, MDC Power employees build a wide variety of engine models in Thuringia – ranging from 95 to 360 HP. These motors power almost all Mercedes-Benz passenger car and commercial vehicle series.

Your LEG-Service

Our consulting services are free. Simply set an appointment with our experienced investor service team.

State Development Corporation of Thuringia (LEG Thüringen)

Department for Investment, International Business and Cluster Promotion
Mainzerhofstrasse 12
99084 Erfurt / Germany

Tel. +49 361 5603-450
Fax +49 361 5603-328
invest@leg-thuringen.de
www.invest-in-thuringia.de/en