LOGISTICS LOCATION SAXONY
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SAXONY ECONOMIC DEVELOPMENT CORPORATION

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• information on opportunities for financial support and subsidy programs
• access to branch networks in Saxony
• assistance in opening up new markets and
  in initiating cooperative partnerships

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Welcome!

Thanks to its excellent geographic location right in the heart of Europe, Saxony is the perfect logistics venue for the distribution of goods throughout Europe. Logistics experts in Saxony benefit from a superbly developed infrastructure – whether it be on the road, rail, water, or in the air. Leipzig / Halle Airport is Germany’s second largest and Europe’s fifth largest cargo hub. The express service provider DHL, which operates its European hub here, plays a key role at this location. Saxony’s road network has one of the best infrastructures in all of Germany. Two of the most important European routes – the E40 (France – Kazakhstan) and the E55 (Sweden – Greece) – intersect in the vicinity of Dresden. The region also possesses one of the densest rail networks in all of Europe. The three efficient Elbe River inland ports, which were developed into interfaces between water, road, and rail, connect Saxony with the North German seaports and, thus, with international maritime trade.

Saxony’s strong industrial base with the core branches automobile, machine and plant construction, microelectronics / ICT, and environmental technology offers great potential for logistics services. The Saxon locations of such globally active corporations as Volkswagen, BMW, and Porsche; GLOBALFOUNDRIES and Infineon; Bombardier Transportation and NILES-SIMMONS-HEGENSCHEIDT are at the heart of and the starting point for multifaceted and highly efficient supply and distribution chains. This is not the only reason why virtually all top 20 European logistics enterprises have set up their business in Saxony. Among them are the market leader Deutsche Post DHL as well as Kühne + Nagel, CEVA, DSV, and DACHSER.

Logistics venue Saxony – this stands primarily for tailor-made solutions along the diverse industrial value creation chains in supply and packaging logistics as well as for production-synchronous sequencing and installation services. Saxony’s logistics branch also demonstrates its innovative power in the information technology sector; in particular, when it comes to supply chain and warehouse management as well as digital fleet management.
History

1165

1839

1895

1935

1952

1991

1994

2000

2006

2007

2008

2009

2010

2011

2012

2013

Kühne + Nagel officially inaugurates a pharmaceutical logistics center in Leipzig.

DB Schenker builds a logistics center for BMW in Leipzig. JCEVA Logistics puts a logistics center for medical technology into operation in Leipzig.

The cargo airline AeroLogic – a joint venture of DHL Express and Lufthansa Cargo – commences its operation in Leipzig.

The only European maintenance base for cargo aircraft of the Antonov 124 type opens at Leipzig / Halle Airport. The Heinz Nixdorf Chair of IT-based Logistics is established at the HHL Leipzig Graduate School of Management.

The 3,600 m northern runway for take-offs and landings is put into operation at Leipzig / Halle Airport, followed by the southern runway in 2007.

Volkswagen Sachsen GmbH is presented with the German Logistics Award for its just-in-time logistics concept »Production in Partnership.«

The Friedrich List College of Transport (HfV) Dresden is founded. Under its new name, the Faculty of Transportation and Traffic Sciences »Friedrich List,« it continues to be Germany’s first and only university-level educational and research facility for transportation and communication sciences until today.

Leipzig is granted its official town charter and market privilege. The municipality located at the intersection of two major European trade routes – the Via Imperii (Scandinavia – Italy) and the Via Regia (Spain – Russia) – quickly evolves into a commercial center and later also into a trade fair venue of international renown.

174

Germany’s first long-distance railroad starts its operation between Dresden and Leipzig.

1839

Germany’s first samples fair is held in Leipzig.

1935

Waggon- und Maschinenbau AG (WUMAG) builds Germany’s first double deck rail cars in Görlitz.

1952

The Schnellecke Group sets up its business in Saxony and assumes the first logistics services on behalf of Volkswagen’s vehicle production plant in Zwickau.

1991

The Endowed Chair of Logistics Information Systems is established at Leipzig University.

2007

DHL officially inaugurates its European air cargo hub in Leipzig. DB Schenker supplies 8,000 wind turbines with components from its Central European spare parts warehouse in Grimma. In the same year, the company also puts its new logistics center in Chemnitz into operation. The Leipzig-Halle Logistics Network is founded.

2006

Amazon officially inaugrates its distribution center in Leipzig.

2008

The world’s first samples fair is held in Leipzig.
Companies

Contract Logistics

With the Swiss Kühne + Nagel International AG corporation, a globally leading logistics enterprise is active in Saxony in the cities of Leipzig, Chemnitz, and Dresden. Since 2010, Kühne + Nagel has been providing the entire supply logistics for the final assembly in the BMW Plant Leipzig. In March 2013, Kühne + Nagel officially opened a logistics center for the handling of pharmaceutical products at the Freight Village Leipzig (GVZ). The logistics center has a cold storage facility with a temperature range between 2 and 8 degrees Celsius as well as a specific warehouse for narcotic substances. In addition to the storage and distribution of pharmaceutical products, picking and repackaging services as well as authorized production processes and samplings are also possible here.

The automobile industry and energy technology are among the key branches for which the DB Schenker / Schenker Deutschland AG corporation is active in Saxony. At the Logistics Center Leipzig, automobile logistics experts have been planning, controlling, and implementing the entire CKD (completely knocked down) supply of BMW plants in China and South Africa since 2011. DB Schenker's logistics experts accept the components from the BMW Plant Leipzig, prepare them for their further transport, pick the individual consignments, and ensure the safe and secure packaging and professional conservation of corrodble components. The new logistics center at the Branch Office Chemnitz was put into operation in 2008. The site provides storage and contract logistics for customers from industry and trade and is a logistics hub for the shipment of goods throughout Europe. DB Schenker increasingly uses the center for the storage and consignment of high tech products and electronic components. With the on-site integration of land, air, and sea transportation in conjunction with all value added logistics services, DB Schenker provides its customers with comprehensive services from one source at its three branch offices in Dresden. The Vestas Wind Systems A/S corporation, a Danish manufacturer of wind turbines, has been relying on DB Schenker as a logistics service provider since 2008. 70 logistics experts supply the Vestas technicians with spare parts, components, tools, and personal protective equipment for the repair and maintenance of wind turbines throughout Central Europe from an approximately 15,000 square meter warehouse in Grimma.
The Lower Saxon Schnellecke Group AG & Co. KG corporation has been firmly established in Saxony for more than 20 years now – with a total of 10 locations in Dresden, Glauchau, Leipzig, and Zwickau. The Glauchau-based Schnellecke Logistics Sachsen GmbH corporation is active as a systems partner for Volkswagen Sachsen, Volkswagen Braunschweig, Volkswagen CKD, and Kautex Textron. Its approximately 800 employees are responsible for the material supply of the final vehicle assembly, the assembly of vehicle modules, and the manufacture of tank modules. Schnellecke Glauchau has the complete process responsibility for supplying materials to the assembly line at the customers’ plants. The Schnellecke Sachsen GmbH corporation’s Business Unit Logistik Porsche Leipzig assumes the responsibility for the JIT and JIS transports, picking, line feeding, module assembly, sequencing, transport logistics, kitting, inbound logistics, and customs clearance in the immediate neighborhood of the sports car manufacturer’s corporate premises.

For the North Rhine-Westphalian Rhenus Group, Saxony is a location with a high development potential for logistics services; in particular, in the automobile and consumer goods industry as well as machine construction. The Rhenus Office Systems GmbH corporation operates specific high-security archives in Leipzig and provides comprehensive individual document logistics services. The services also include the digitalization, archiving, storage, and destruction of files and data media. At its 25,000 square meter logistics center in Meerane, the Rhenus SE & Co. KG corporation is active on behalf of numerous suppliers in the automobile, machine construction, and consumer goods industries. Additional focal points include packaging logistics and the on-site organization of procurement and distribution logistics on behalf of its customers. At its corporate site Chemnitz, Rhenus SE & Co. KG operates a 16,000 square meter supply warehouse where it handles the complete incoming and outgoing goods processes for purchased and manufacturer parts of Volkswagen’s engine factory Chemnitz around the clock. At its branch offices in Großschirma, Zwickau, and Leipzig, the joint venture Rhenus & Hellmann GmbH & Co. KG, which specializes in general cargo and freight transports, provides comprehensive services in the sectors procurement logistics, warehousing, distribution logistics, and value added services.

With branch offices in Dresden, Glauchau / Chemnitz, and Leipzig, Saxony is firmly en- sconced in the European network of the North Rhine-Westphalian Emons Spedition GmbH corporation. In Dresden, the shipping and logistics expert operates a TAPA certified high-security warehouse which meets the highest possible logistics standards. The company also
has direct access to the container train routes to and from Hamburg and/or Bremerhaven. Glauchau is the transshipment center specifically for building materials as well as products of the metal processing, solar, and household appliances industries. Leipzig specializes primarily in combined transports and air cargo for the automotive sector.

The Bavarian [DACHSER GmbH & Co. KG](https://www.dachser.com) corporation has been located in Saxony since 1992 and employs more than 200 people here. In January 2013, the Dresden logistics center in Radeburg was officially inaugurated as a new corporate site. Here, the company provides logistics services in the business divisions European Logistics and Food Logistics as well as such cross-divisional services as Contract Logistics.

The [DSV Air & Sea GmbH](https://www.dsv.com) corporation, a subsidiary of the Danish DSV Group, runs one of its five regional German warehouses on behalf of a large German drugstore retail chain at the business venue Leipzig. In the transport sector, DSV manages two transshipment points in Saxony where the picked merchandise is transshipped for the last time before it is supplied to the individual chain stores and delivered by subcontractors directly to the respective stores.

The US American World Courier Inc. is the globally leading provider of specialty logistics in the biopharmaceutical sector. The [World Courier (Deutschland) GmbH](https://www.worldcourier.de) corporation has been active also from the branch office Leipzig since 2003. It provides logistics services in the sectors temperature-controlled logistics as well as transport of sensitive pharmaceutical products, biological samples, cell cultures, and laboratory animals in the federal states of Saxony, Saxony-Anhalt, and Thuringia. The service spectrum also encompasses emergency logistics to assure the ability to supply customers from the electronics, semiconductor, and automobile industries around the globe at any time.

The logistics service provider [CEVA Logistics GmbH](https://www.ceva.com) corporation has been operating a health care distribution center in Leipzig since 2011. Its current staff of 80 employees handles logistics processes on behalf of the US American medical technology producer Medtronic. In Leipzig, CEVA is responsible for the distribution of health care products to Central and Eastern Europe as well as Israel. The services rendered on behalf of Medtronic include inbound goods, inventory management, pick and pack, outbound products, customs documentation as well as such value added services as quality control, reverse logistics management, and cold storage.
Cargo Transportation / Freight Forwarding

At Leipzig / Halle Airport, DHL operates its European air cargo center – the DHL Hub Leipzig. It is able to handle cargo planes around the clock, 365 days a year – the best possible prerequisite to manage the constantly increasing cargo volume. More than 3,500 employees on site handle an average of 1,600 tons of cargo every day. And up to 60 planes are loaded and unloaded every work day. The volume has increased nearly fivefold since the air cargo hub was put into operation in 2008. Leipzig / Halle Airport is Germany’s second largest and Europe’s fifth largest cargo airport. Since March 2012, DHL has been operating a new flight route which connects Leipzig directly with Hong Kong and Los Angeles and which drastically reduces the delivery times of intercontinental shipments.

The AeroLogic GmbH corporation has become one of the top 5 providers in Europe since it commenced with its flight operation in 2009. The company, which is headquartered in Schkeuditz at Leipzig / Halle Airport, is jointly operated by Lufthansa Cargo and DHL Express. With one of the world’s largest intercontinental cargo aircraft fleets, the cargo airline serves more than 50 routes per week to 20 destinations in Asia, Europe, and North America from its home base Leipzig / Halle. Currently, the company employs approximately 230 people.

The Sächsische Binnenhäfen Oberelbe GmbH (SBO) corporation unites the transportation modes inland shipping, rail, and truck into entire transport chains. The company operates the Elbe River ports of Dresden, Riesa, and Torgau in Saxony, the ports of Decín and Lovosice in the Czech Republic as well as the port of Roßlau in Saxony-Anhalt. In addition to the classic transshipment of goods, SBO also provides its customers with complete logistics services for container and general cargo transports as well as for the handling of large-volume and heavy-lift cargo transports. Together with its partners, SBO provides regular services on the inland vessels »ECL2000« (Elbe Container Line), »ETS Elbe« (Ecological Transport Service), and »EPL Elbe« (Elbe Project Line) as well as via the AlbatrosExpress direct rail line to and from Hamburg / Bremerhaven.
Intermodal Transport

Customized commercial properties, a perfectly linked infrastructure, and the availability of 24/7 operations are provided by Saxony's three Freight Villages (GVZ) at five locations.

The **GVZ Leipzig** is integrated into the trimodal network. Saxony’s largest industrial and distribution park directly adjoins Leipzig / Halle Airport, is linked to the federal expressways A9 Berlin-Munich and A14 Dresden-Magdeburg, and has its own rail access including a container depot and a terminal for combined transport.

The **GVZ Dresden** is characterized by its direct access to the federal expressways A4, A13, A17 as well as to the rail network and the waterways network of the Elbe River. Goods are loaded and unloaded between road and rail at a transshipment station. Unique around the globe: Several times a day, the blue freight trams of the »CarGoTram« line commute between the GVZ, which also houses a logistics center of the Volkswagen AG Group, and the assembly halls of VW’s »Transparent Factory« in Dresden’s city center. Closely coordinated with the city’s mass transit, the plant is supplied »just-in-time« with a limited impact on traffic and in an environmentally friendly manner.

Unlike many other Freight Villages in Germany, the **GVZ Südwestsachsen** has a decentralized structure. It consists of the core module Glauchau - in the vicinity of Volkswagen Sachsen GmbH’s vehicle production plant - as well as the modules Chemnitz and Zwickau. All locations provide optimal access to rail and road routes.

Together with the Captrain Deutschland Group, the Dresden-based **ITL Eisenbahn-gesellschaft mbH** corporation is the professional partner for railbound logistics services on the east-west trans-European thoroughfare. With subsidiaries in Poland and the Czech Republic, ITL provides cross-border rail cargo transports all the way to Hungary, Romania, Belarus, and the Ukraine.
IT and Other Services for the Logistics Sector

Founded in 2005, the Leipzig-based TomTom Telematics corporation is a special division of the Dutch manufacturer of navigation systems TomTom International B.V. for the commercial vehicle fleet sector. Today, TomTom Telematics is one of the global market leaders and the fastest growing provider of telematics services in Europe. The company’s solutions, which can be integrated into any type of vehicle, support environmentally friendly driving and management reporting in the sectors professional navigation, improved driver behavior, prevention of traffic incidents and accidents, vehicle localization and tracking, order management, time management, driver safety, eco driving, and management reporting.

An entire software family, the CATS tool suite, is provided by the Voith Engineering Services GmbH Road & Rail corporation which is headquartered in Chemnitz. The »jitCATS« system for JIT / JIS processes, which was presented with the elogistics Award, is used in production control from the call-off order all the way to the final dispatch – for example, in ThyssenKrupp’s axle assembly plants around the globe. The »logiCATS« system automatically controls the synchronized supply of assembly lines with the actual manufacturing progress. And »mainCATS« steers the maintenance and repair processes in factories.

The Dresden-based LOGSOL GmbH corporation provides its customers around the globe with customized logistics consulting, planning, and solutions for the efficient organization of in-house and cross-company logistics processes along the entire value creation chain. Towards this end, LOGSOL also develops such intelligent software solutions as, for example, »BinMan 2.0« for container management as well as such innovative logistics systems as the »KIT TO LIGHT« picking system or the stacker analysis tool »SAT.«

»VIVA open« is the name of an IT solution with which the Volkswagen Sachsen GmbH corporation controls the processing of orders through vehicle production in real time. The software, which was presented with the elogistics Award in 2013, is a development of the Chemnitz-based IT service provider CARNET GmbH corporation. Creating a simple and clear structure for complex specifications and requirements is one of the competences
of the specialist for customized IT solutions. The company is particularly active in the sectors data-based process controls, production visualizations as well as management solutions for automobile manufacturers and automotive suppliers.

One of the Dutch SMARTRAC Group’s production sites is the SMARTRAC TECHNOLOGY GmbH corporation in Dresden. As a globally leading developer, manufacturer, and supplier of contactless components, SMARTRAC provides intelligent RFID solutions which are used in supply chain management to optimize processes and increase cost and resource efficiency. The Dresden production site has, in particular, many years of experience and considerable competences in the sectors flip chip manufacturing technology, high-end wafer processing as well as antenna and inlay design.

The SAW COMPONENTS Dresden GmbH corporation develops and manufactures electronic elements and components for all ranges of high frequency and radio transmission technology, sensor technology, and radio frequency identification based on the surface acoustic wave (SAW) effect. For applications in logistics, the company develops and produces such RFID systems and components as, for example, readers, transponders, software, and chips for the identification of commodity flows and containers. SAW products prove their worth under such harsh environmental conditions as temperatures of up to 700 degrees Celsius, object speeds of up to 160 kilometers per hour as well as in electromagnetic fields.

Factory and logistics planning as well as process management are among the core competences of the Chemnitz-based fabrik-ID GmbH corporation. Whether it be capacity requirements planning or material flow planning – the team of specialists excels with innovative concepts as well as 3D visualizations of potential solutions and planning results. Its customer base includes primarily companies active in machine and automobile construction. The fabrik-ID specialists offer a comprehensive service package ranging from process analyses to the development of tailor-made logistics concepts all the way to assisting in the implementation of the requisite solutions.
The Chemnitz-based LogistikPlan GmbH corporation is active as a specialist for factory and logistics planning – in such branches as machine and vehicle construction, consumer goods as well as trade and logistics. As engineering planners and consultants, the company develops sustainable locational strategies and logistics concepts, plans modular production layouts and complete plant structures, and implements ultramodern material flow and storage systems. The product portfolio includes, for example, the consultancy program »My Factory of the Future,« which was developed in cooperation with Dresden University of Technology and the RKW Sachsen GmbH corporation. With simple forecasting and scenario techniques, individual planning modules, and a monetary assessment model, the program fosters the proactive growth planning of companies.

With a unique technology, the CargoBeamer AG corporation from Leipzig gets all non-cranable semitrailers – which account for about 80 percent of the current road freight transport – onto the track. The CargoBeamer technology consists of specific rail cars and terminals for the horizontal and fully automated transshipment of semitrailers. For the construction of the CargoBeamer terminal at VW's Wolfsburg plant, the cooperative partners Volkswagen AG and CargoBeamer AG were presented with the 2013 elogistics Award. In the future, Volkswagen will shift parts of its truck transports from the road to the rail with the help of CargoBeamer technology.

The Cargopack Verpackungsgesellschaft für Industriegüter mbH corporation is a subsidiary of the Kühne + Nagel Group and operates two corporate sites in Saxony – in Dresden and Chemnitz. With its professional packaging solutions for industrial goods, Cargopack is able to pack virtually any type of cargo in a safe and secure manner for shipment – from machine screws all the way to complete industrial plants.
Mail Order and Internet Trade

With about 75,000 square meters of storage space, the online retailer Amazon has been operating one of Germany’s largest logistics centers in Leipzig since 2006 – the Amazon Distribution GmbH corporation. Media products, toys, items for home and garden, home entertainment electronics, and much more are shipped from Leipzig to many destinations around the globe.

The Canadian distributor of electronic components Future Electronics has established one of its three global logistics centers just north of Leipzig – the Future Electronics EDC Services GmbH corporation. The fully automated small parts warehouse can store more than 66,000 articles in its 255,000 containers. With about 140 employees, the Leipzig site has been supplying all Future Electronics customers in the EMEA region (i.e. Europe, the Middle East, South Africa) since July 2010.

The Mercateo AG corporation operates Europe’s leading online procurement platform for business clients in the internet. In addition to Munich and Köthen, the company is also active with 50 staff members at its corporate site in Leipzig. The standard range encompasses ten million products – from stationery and office supplies all the way to warehouse and lab equipment. In addition, the company’s more than one million customers can individually link their own framework agreement suppliers to the Mercateo platform while also benefiting from a modular system of e-procurement functions.

The Berlin-based momox GmbH corporation officially inaugurated a logistics center in Leipzig in late 2011. After an expansion in 2013, the location has become the company’s largest warehouse with 50,000 square meters of floor space. momox purchases used books, CDs, DVDs, games, and electronics on-line.
Dresden University of Technology provides a broad range of instruction and research in the logistics sector. At the Faculty of Transportation and Traffic Sciences, the Chair of Business Management, Especially Transport Services and Logistics, as well as the Chair of Air Transport Technology and Logistics address the logistics aspects of transportation. The Chair of Business Administration, Especially Logistics at the Faculty of Business and Economics is committed towards planning processes in procurement, production, and logistics. The Professorship of Logistics Engineering at the Faculty of Mechanical Engineering focuses on material flow planning, material flow engineering as well as factory planning.

Five professorships from four faculties at Dresden University of Technology, which are all dedicated to logistics, established the joint Competence Center »Dresden Innovation Network for Logistics« (DLIV) in 2009. The network pursues the objective of promoting interdisciplinary instruction, research, and development in the logistics sector at the university.

At Leipzig University, the Endowed Chair of Logistics Information Systems, which was established in 2012, cooperates closely with the regional logistics branch because the sponsors of the endowed chair come from this branch. Instruction is dominated by the disciplines logistics, information systems in logistics as well as logistics service systems. Research puts the diverse aspects of IT-supported planning, management, and control of logistics service systems center stage. The endowed chair is integrated, for example, into the EU’s joint research project «LOGICAL» where, in addition to Leipzig-Halle, five other European logistics regions are working on the creation of interlinked logistic clouds (cloud computing). Another EU project is «ESSENCE» which seeks to help primarily small and medium sized industrial enterprises in augmenting the efficiency of supply and distribution networks.
The interaction of IT systems for complex logistics services is tested in the Logistics Living Lab. Germany’s first innovation lab for logistics is funded as an integral part of the Federal Ministry of Education and Research (BMBF)’s Innovation Initiative “Entrepreneurial Regions.” The lab is being developed and implemented at Leipzig University’s Information Systems Institute (IWI). The Logistics Living Lab consists of three areas: A creative lounge to exchange and generate ideas, a demonstration area with experimental setups to represent the logistics chain and to test individually developed prototypes of software and hardware systems as well as a workshop area for experiments.

Within the scope of its interdisciplinary Competence Center «Logistics and Business Management,» Dresden International University (DIU) offers a number of continuing education MBA programs in cooperation with Dresden University of Technology. The master’s program of studies in «Logistics» focuses on logistics management as a central element for the control, management, and integration of the entire commodity and information flows both within a company and between companies. International students can enroll in the special master’s program of studies in «Logistics Management» which is taught in English.

The Heinz Nixdorf Chair of IT-based Logistics was established by the Heinz Nixdorf Foundation at the HHL Leipzig Graduate School of Management in 2007 with the objective of promoting applied research and instruction in modern logistics systems by using intelligent information technologies. The chair is also responsible for the Center for IT-based Logistics Leipzig (CITLOG). It focuses on research and applied project work in an IT-based logistics environment while also cooperating closely with small and medium sized enterprises from the Leipzig region. CITLOG boosts the permanent exchange of knowledge and experiences both between theory and practice and among those decision makers who are responsible for logistics in the local business community.

At Chemnitz University of Technology, instruction and research in the logistics sector are pooled at the Professorship of Factory Planning and Factory Management, the Professorship of Traction Mechanisms and Tribology as well as the Professorship of Production and Industrial Management. The Professorship of Factory Planning and Factory Management also includes the Experimental and Digital Factory (EDF) which was opened in 2004. EDF represents a complete «micro factory» with all the essential editing and logis-
tics components of general cargo production. Real production and logistics processes can be simulated with an accuracy of almost 100 percent and new, efficient solutions for a changeable factory can be simulated and tested here. Not only students and scientists, but also companies benefit from the innovative facilities of this innovation lab which also includes a digital center.

At the Glauchau University of Cooperative Education, education is provided in dual programs combining academic studies and vocational training. In the program of studies in »Business Administration in Transport and Logistics,« students acquire general knowledge in business administration and specific technical knowledge in the sectors transport and logistics. Specific knowledge in business administration is imparted in the sectors forwarding, transport, and logistics. More detailed instruction is offered in logistics for the automotive sector because the solutions applied here are adapted in many other branches. Graduates from this program of studies are in demand at such companies as, for example, DB Schenker, Rhenus, Kühne und Nagel, DACHSER, EMONS, DHL, VW OTLG, Schnellecke, Takata, and Hapag-Lloyd.

The research spectrum of the Dresden-based Fraunhofer Institute for Transportation and Infrastructure Systems (IVI) encompasses the sectors traffic telematics, disposition and logistics as well as vehicle and propulsion technologies, the development of sensor systems for traffic control and vehicle guidance as well as the sectors transport planning and transportation ecology. A specific focus is put on robust dynamic vehicle routing.
The Network Logistics Leipzig-Halle e. V. was established in September 2008 at the initiative of regional stakeholders with the objective of further enhancing the service spectrum and the efficiency of the Central German logistics region. Its approximately 140 members include logistics service providers, suppliers, and shipping agents of all dimensions and specializations, public authorities, chambers, and associations as well as research and educational facilities. They represent almost 30,000 employees in the region and generate an annual turnover of approximately two billion euros. The network supports its members in all matters pertaining to business development, the recruitment of junior staff as well as the education and promotion of skilled employees; and it permits small and medium sized companies to benefit from the innovations coming from logistics research. In addition, the network also provides access to international growth markets and actively helps investors with their business setups in Central Germany. The network’s success is reflected by the »Innovative Network 2013« award bestowed by Germany’s Federal Ministry of Labour and Social Affairs (BMAS) and its admission to the »go-cluster« program of Germany’s Federal Ministry of Economics and Technology (BMWi) which supports the most innovative branch networks in expanding their activities.

Together with universities and universities of applied sciences, commercial enterprises from the greater Leipzig area augment and multiply their synergy effects in the Intra-logistics Network Saxony. Using the specific professional competences and expertise of the participating entities when it comes to new products, procedures, and systems solutions in intralogistics, new markets are to be developed which would otherwise be difficult to access for smaller companies. In so doing, for example, the following clusters are included: Information technology, automation technology, materials handling technology, hoisting and lifting devices, vehicle body construction, machine construction and special purpose machinery construction as well as the optimization of production processes and operational processes.
The ICT branch association **Silicon Saxony e. V.** unites specialist forums and work groups under its roof, for example, the **Subcluster »RFID Saxony.«** Its member companies have been successfully working together on the development, production, and application of RFID products and systems solutions for many years now. RFID Saxony also seeks to advise users in applying RFID technologies and support them in introducing RFID systems. The **Work Group »Cyber-physical Systems (CPS)«** is also part of the Silicon Saxony e. V. It was established in December 2012 with the objective of developing Saxony’s potentials which are available from innovative micro and nano electronics as well as software for the development of CPS applied in such innovative sectors as smart factory / industry 4.0 or smart city.

The **ZIM-NEMO Network biomedical logistics (bm-log)**, which primarily consists of small and medium sized enterprises, pursues the objective of identifying and investigating complex logistics processes in individualized and regenerative medicine as well as biotechnology in order to develop comprehensive, sophisticated solutions for these logistic processes and to sustainably establish them on the market. This includes the creation of systems, devices, and facilities including the requisite software for technical-logistic solutions along with organizational and quality-related strategies for biomedical logistics. Examples include the projects »Diagnostic Rope« (veterinary medicine), »D-Lab« (digitalized lab), and »EVASYS« (automation of technological lab processes).

In the overall context of the pioneering topic »electromobility,« the **Innovation Forum »Model Logistics Solution for Electric Vehicles (LOeMO)«** puts the need for action center stage, specifically with regard to transporting the hazardous material »battery« while also considering, in particular, the anticipated production processes and conditions of mass production. In cooperation with Chemnitz University of Technology as well as industrial and scientific partners from the region, the Automotive Cluster Eastern Germany (ACOD) is responsible for the innovation forum. Their objective is to safeguard and assure cost-efficient logistics processes which are eligible for mass production at the same security and safety level along the entire value creation chain. This provides the opportunity particularly for companies of the logistics branch to augment and broaden their service portfolio with new and innovative services (for example, value added services and hybrid value creation).
LOGISTICS LOCATION SAXONY