Quality of life in Darmstadt

Darmstadt companies profit from their location in an internationally accessible region, with the Frankfurt Airport only 20 minutes away by car. The direct link to two important express ways as well as regional and national train connections make Darmstadt a well placed important town.

The employees of companies located in Darmstadt appreciate the special atmosphere and the high quality of life in this city at the edge of the beautiful landscapes of Odenwald and Bergstrasse, as well as the attractive and varied landscape of its surroundings. Family friendliness is also important in Darmstadt. For further information (in German) see: www.familien-willkommen.de

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»Prognos Future Atlas 2004 – German regions in test. Comparison of all 439 cities and districts«: Darmstadt ranked No. 4 among the regions in Germany with the most promising future, ranking only behind Munich and two of its neighbouring administrative districts.

Networks

Rhein Main Adaptronik e.V.
www.rhein-main-adaptronik.com
Netzwerk Automatisierung
www.automatisierungs-region.de
Automotive Cluster
www.automotive-cluster.org
Mikrosystemtechnik-Netzwerk Rhein-Main
www.mst-netzwerk.de

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High-tech sector mechatronics

Mechatronics is a multidisciplinary area of engineering, based on classical disciplines like mechanical engineering, precision engineering, electrical engineering and information technology. The TU Darmstadt (University of Technology) as well as the Hochschule Darmstadt (h_da - University of Applied Sciences) offer courses of studies in mechatronics. Their graduates provide a highly skilled workforce for local companies.

The TU Darmstadt has particularly developed mechatronical core competences in several fields of research. Thus, it is one of the international leading universities in the mechatronic field of research.

In 1985 ISRA Vision Systems AG was spun off from the TUD and is now a well known global player in the fields of mechatronics. In 2000, this was followed by the spin off of Mecatronix GmbH.

The Fraunhofer- LBF (Institute for Structural Durability and System Reliability) has a body of expertise of more than 65 years in research and development (R&D). Its core competences are supplemented by research in system reliability and adaptronics since the automobile and machine construction sector is more and more based on mechatronic and adaptronic structures which integrate sensors, actuators, electronics and control technology.

Engineering & Mechatronics companies

- Akasol Engineering GmbH (electro-mobility)
- Brüel & Kjaer Vibro GmbH (condition monitoring equipment and solutions for rotation machinery)
- Diatest Hermann Költingen GmbH (hole- and precision measurement)
- Fördersysteme Engineering GmbH (industrial equipment and electronic controlling)
- Goebel GmbH (graphic machines)
- Goebel Schneid- und Wickelsysteme GmbH (high quality slitter rewinders)
- HBM GmbH (Hottinger Baldwin) (weighing systems, precision, measurement and system technology)
- Horiba Automotive Test Systems GmbH (Test and measurement systems especially for the automotive industry)
- Instron Structural Testing Systems GmbH (testing machines, -automates and equipment)
- Isra Vision Systems AG (machine vision systems for robot, surface and quality vision)
- Magnum GmbH (engineering services, fuel cell test technology, pipeline monitoring)
- Mecatronix GmbH (magnetic levitation, vibration control, force motion control)
- Mecatronik AG (electronic systems for medical devices)
- Schenck Process GmbH (process technologies for industrial weighing, feeding, screening and automation)
- Schenck RoTec GmbH (balancing and diagnostic systems and automation).
- SHS Fördertechnik GmbH & Co. KG (Investment goods for transport and storage especially air cargo)

A location for economy and science

The »City of Science« Darmstadt is the centre of the Rhine-Main-Neckar Region of Technology. More than 30 public and private research institutions justify the title »City of Science« awarded by the Federal State of Hesse. The proximity of economy and science is the reason why Darmstadt is a top location for future-oriented companies in Europe.

There is a long tradition for mechanical and electrical engineering in Darmstadt. Companies like SCHENCK, GOEBEL or HBM (Hottinger-Baldwin) contributed significantly to this good reputation. Darmstadt’s universities have been engineering oriented for more than 130 years. In 1882 the first department of electrical engineering world-wide was founded in Darmstadt. In the last decades mechatronics has become an additional strong focus in business and science. All in all this offers an ideal environment for a broadly diversified engineering network.

The TU Darmstadt (Technical University) and the Hochschule Darmstadt (University of Applied Sciences) offer lots of links for research co-operations and technology transfer. The renowned Fraunhofer-LBF (Institute for Structural Durability and System Reliability) offers also manifold options for co-operation.

Engineering & Mechatronics is a core area of economic development in the »City of Science« besides the sectors IT, bio & pharmaceutical technology, hair cosmetics and space science.

Special thanks for the title photo: Hottinger Baldwin Messtechnik GmbH and SCHENCK RoTec GmbH