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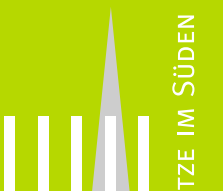
Information Technology
Mobile Communications

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DIE INNOVATIONSREGION ULM



Securing the Future through Innovation

With the activities of their joint city development association the Ulm / Neu-Ulm communities have given an impulse for newly located IT companies, assuring a favorable climate and fertile grounds for their growth.

Science Parks, edisoncenter, incubation center for new media plus other initiatives are exemplary facilities, channeling the essential competences in the region today:

The **Ulm Science City** with Science Parks, Steinbeis Transfer centers, Daimler Chrysler Research Center, Polytechnic, Ulm University plus attached institutes, is home to innovative companies, all within one neighborhood.

In Neu-Ulm's new city quarter Wiley the **edisoncenter** has evolved as an IT and service center whose excellent infrastructure is ideal for companies in these fields. The **edisoncenter** complements the Ulm Science City on the Bavarian side.



The free state of Bavaria has provided the funds for the project "**house of new media**" realized in the edisoncenter. Four state of the art class rooms are available to qualify students in the study course of information management. In addition, further education courses in IT subjects by the Neu-Ulm polytechnic and the Schwaben chambers of commerce are held here. Regional companies may rent the ED-laboratories as well.

Right next to Wiley we find the **incubation center for new media**, young and innovative service companies working wall to wall, their main features multimedia services and IT for specialized application.



Regional innovation partners such as chambers of commerce, unions, educational institutions, communities and companies of all branches meet within the open network "**forum wiley online**". "Forum wiley online" aims to channel consulting services, offering navigation support and facilitating synergies between the consulting services of individual companies in order to ease the entry into the world of IT for the region's users. www.wiley-online.de

The competence center Electronic Commerce Swabia **KECoS** in Ulm supports small and medium enterprises in all areas of electronic business relations (e-Business) – for instance free consulting for entrepreneurs, coordination of services, concept support with Internet presentations and information events. IT Security as well as customer relations and marketing form the main focus. www.kecos.de

On the Neu-Ulm side these services are provided by **CEBIS**. As a project of business development within the Neu-Ulm district companies and organisations also benefit from e-business consulting free of charge. www.cebis-neu-ulm.de

The internet portal of the **Ulm Science Park** serves to enable direct communication between all members of the Science City and represents an innovative self-organized infrastructure. The portal supports the Science Park's innovative character and enhances Ulm / Neu-Ulm as a technology and business location. Employees are able to communicate, to exchange ideas and technologies; trainees and students are efficiently referred; car-sharing and other location related topics are discussed. www.sciencepark-ulm.de

KIT's stands for communication and information technology in Swabia. The association aims to be a platform for the most growth intensive branch of the region, becoming the development engine for the application of new IT business ideas. www.kitschwaben.de



Know How in Development and Product

Within an environment of traditional production industry numerous highly specialized companies in the fields of digital media and IT have established themselves in the Ulm / Neu-Ulm innovation region. The impressive spectrum of these app. 250 regional companies reaches from the innovative "smart card" for tourism all the way to complex software for airplane navigation. Quite a few Ulm and Neu-Ulm companies are working on crucial developments of technological infrastructures for tomorrow's information society.

Programmed for success

Many of the region's IT companies are working on the optimization of diverse and complicated business processes. Let us name just a few who have achieved impact beyond the region with their own developments or who even achieved market leader positions in Germany and Europe.



Wilken GmbH, Ulm, has created business process standard software for more than 25 years. Among those who trust in Wilken's software procedures for financial accounting, product inventory systems or E-Business are such various clients as the Federal social security agency and the Swiss Finance Ministry. For the development of the AllgäuWalserCard for tourism accounting Wilken received the Austrian State award for E-Business 2003.

FRITZ & MACZIOL is one of the leading system houses for software, systems and services in Germany, Austria and Switzerland. Software and system solutions for public clients, medium sized companies as well as wholesale companies are developed and distributed together with the sister company INFOMA. In addition, the company as IBM premium partner offers encompassing services to her clients in the areas of consulting and system integration.

IT-Informatik GmbH in Ulm is specialized in the whole spectrum of IT-Services required by medium sized enterprises. Many well-known companies are long-standing clients such as for instance merckle/ratiopharm, Stuttgart Airport, Liebherr and WMF. An expert team of more than 100 employees provides services and solutions for the whole spectrum of information technologies.

"eXXcellent solutions" in Ulm focuses on individual software solutions based on model driven architecture (MDA). At the Systems 2004 fair the IT-company received the "Innovation Area Award" for their model driven generative development framework "pleXX" and the integrative development process "XXProcess".

Development services and products for telecommunication projects are the speciality at ikon GmbH. Next to their own products for ISDN and VoIP protocol stacks of leading suppliers are part of their portfolio.

Innovation is tradition and aiming for the future

Information technology has a long tradition here in Ulm. Some of the region's most respected companies in the field keep putting their cards on the region's location advantages. At the same time young Ulm and Neu-Ulm companies conquer the market with their IT products as well.

Nokia is world leader for the mobile communications industry. The mobile phone branch develops mobile phones for all important mobile phone standards and client segments at the Ulm location.

Siemens AG is operating a development center for mobile radio technology, handy and net infrastructure elements in Ulm. Siemens covers the total segment of mobile radio with final products, network components and applications.

Science Park II in Ulm Science City is home to DaimlerChrysler TSS GmbH. It is Daimler Chrysler partner worldwide for innovative software solutions, developed for individual requirements and demands for almost all areas of the company.

Infineon Technologies AG keeps a development center for "secure mobile solutions". The Ulm location in the Science Park mainly develops high frequency chips for mobile standards GSM and UMTS.

Liquid crystal displays for all kinds of information systems are the specialty of AEG MIS, leading the world market. The company has specialized the production of LCD (Liquid Crystal Displays) for large screen displays, in mobile as well as stationary application.

EADS in Ulm delivers telecommunication solutions for transport & industry, business, defense and public security. With TETRAPOL-technology EADS is world market leader for digital professional mobile radio nets – represented in 34 countries with more than 80 networks.

THALES ELECTRON DEVICES GmbH in Ulm develops and produces changing field tubes as boosters for high frequency waves as well as other components for satellite communication and radar applications, leading the world market. Their newest innovation is a multiple stage plasma drive for application as main or correctional drive for satellites and space probes.

„Future based on Tradition – TELEFUNKEN RACOMS GmbH & Co. KG" in Ulm develops and distributes innovative system solutions and products in the field of tactical and strategic mobile communications, as well as for self organizing ad-hoc mobile networks and for broad band communications in train systems.

TEMIC SDS is a spin-off company of Harman/Becker Automotive Systems, a market leader for language dialogue systems in vehicles as well as hands free mobile phone integration. The language control systems by TEMIC SDS enable the operation of electronic devices in vehicles – for instance mobile phone, audio systems or navigation systems – simply by voice control.

Euro Telematik AG in Ulm provides mobile IT systems to optimize transportation and logistics processes as well as road and air navigations.

Bombardier Transportation, one of the world's leading suppliers of innovative traffic solutions, develops and tests on-board equipment for the European Rail Navigation system ERTMS/ETCS as well as telematic rail applications.

United Monolithic Semiconductors GmbH (UMS) manufactures high frequency semiconductor components based on GaAs for communication and sensor. As component supplier of vehicle radar systems for driving safety UMS is the best address worldwide.

Ulm based BEAM AG, "Service of the Year 2002", develops High Tech Software to produce mobile information systems for industrial clients (B2B). A central component are portable computer systems, which have earned the company second ranking in the "German Internet Award 2003".



Informatics
 Telecommunication engineering
 Information technology
 Information management
 Communications technology
 Digital media
 Medical documentation



Knowledge creates profile

One trademark of the Ulm / Neu-Ulm innovation region is the close link between business and science. University and Polytechnic colleges form an exemplary unity with industrial development centers. Many new study courses and professions have been created in this exciting environment, generating an important work force potential for regional IT companies.

Ulm university at present has a student body of more than 7200, attending the faculties of natural sciences, mathematics, economics, medicine, engineering and informatics. Prime research fields are theory and formal methods, telematics and new media, biologically motivated informatics, software systems, information systems for the mobile society and bio systems technology – engineering methods for life sciences. Ulm and Neu-Ulm Polytechnic colleges deal with media competence in our age of information as well.

Ulm Polytechnic college offers study courses in the fields of technical informatics and business informatics, industrial electronics, communication engineering and digital media as well as medical documentation and informatics. Additional specialties are data security, e-learning systems, medicine and virtual reality. Neu-Ulm Polytechnic has created an "information management" department, including business informatics, information management and business communications. www.uni-ulm.de, www.fh-ulm.de, www.informatik.fh-ulm.de

One result of the close cooperation between Ulm University and the local Siemens development center is a foundation professorship for telecommunication engineering and applied information theory, a definite enhancement for the field of mobile communication.

Founded at the Neu-Ulm polytechnic college, the **Information Logistics Institute (ILI)** is consulting, conception and executing partner for all questions of designing information flow in the area of work processes. It offers support in design and implementation of work processes, information flow and the corresponding knowledge data bases which play an important part for logistic efficiency. www.il-institut.de

Business communication
 Media engineering
 Communications engineering
 IT systems business training
 Specialized Information engineer
 Application development
 IT systems electronics engineer