

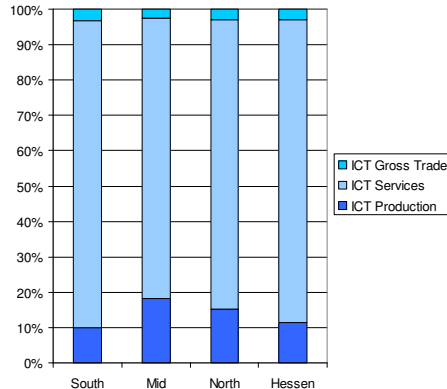
# ICT in Hessen

## Industry

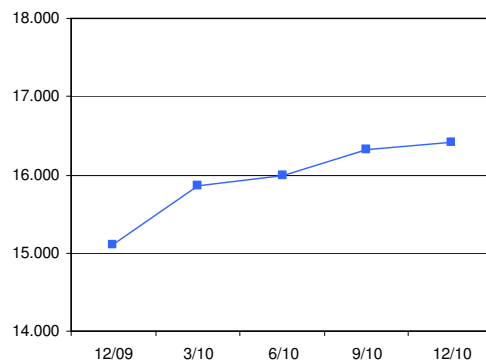
The ICT sector in Hessen with its 9,466 enterprises generated a turnover of 17.8 BEUR in 2009. The ICT sector is thus the strongest technology sector in Hessen (76,300 employees), e. g. compared to the machinery (42,400 employees), chemistry (58,000 employees) or automotive sector (47,600 employees).

	Turnover (in BEUR)	Share (in %)	Employees	Share (in %)
ICT Trade	2.13	11.9	6,094	8.0
ICT Services	11.12	62.4	58,106	76.1
ICT Production	4.58	25.7	12,120	15.9
Hessen total	17.82	100.0	76,320	100.0

	South-Hessen (RB Darmstadt)	Mid-Hessen (RB Gießen)	North-Hessen (RB Kassel)	Hessen total
Enterprises	7,543	1,075	848	9,466
Employees	65,231	6,270	4,819	76,320
Turnover (BEUR)	16.68	0.81	0.33	17.82
Turnover share of total economy	5.4%	2.3%	0.6%	4.4%



Number of enterprises as sectoral shares  
in Hessen and its regions



Employees in the Software Sector  
in Southern Hessen

Hessen and the region RhineMainNeckar are host to most of the top European software companies. Companies of the region yield 40% of the turnover of the Top100 European Software Companies.

Hessen is one of the top locations in Europe for:

- Business software, network software and games development
- Telecommunication, international backbones and colocation
- High-performance computing
- Application areas like banking, logistics and automotive industries
- ICT consulting

**Hessen – your IT-heart in Europe**

## Research

Hessen has roughly 30 universities, half of them offer ICT-related study courses and/or carry out ICT-oriented research.

**Universities** in Hessen (ranked by number of ICT professors)

1. Technische Universität Darmstadt
2. University of Applied Sciences Darmstadt
3. University of Applied Sciences Gießen-Friedberg
4. RheinMain University of Applied Sciences
5. Goethe-University Frankfurt
6. University of Applied Sciences Frankfurt
7. University of Applied Sciences Fulda

In total, there are over 350 full professors active in the field of ICT, over 150 of them in Darmstadt and over 50 in Frankfurt. More than half of all professors are strongly networked internationally.

Hessen is home to six **nobel laureates** as well as to key inventors like Johann Philipp Reis (telephone), Karl Ferdinand Braun (electron tube), Konrad Zuse (computer). There is a long list of award-winning researchers in Hessen, among them

- Leibniz-laureates Prof. Claus-Peter Schnorr (Frankfurt) and Prof. Johannes Buchmann (Darmstadt) or the
- winners of the Konrad-Zuse-medal (highest prize of German Society of Informatics) Prof. José Encarnação and Prof. Robert Piloty (both Darmstadt).

**TU Darmstadt** is among the top-scoring German universities in respect to third-party funding, publications and dissertations. Recently, it was awarded with cluster of excellence in “Smart Interfaces” and a graduate school in “Computational Engineering”. Having one focus area on the “Future Internet” the university is part of e.g. the following major ICT research projects and infrastructures:

- Alliance Digital Product Flow (ADiWa), Center for Advanced Security Research (CASED), European Center for Security and Privacy by Design (EC-SPRIDE), Software Cluster, Theseus

### Fraunhofer Institutes in Hessen

Fraunhofer Institute for Computer Graphics (IGD), Darmstadt  
Fraunhofer Institute for Secure Information Technology (SIT), Darmstadt  
Fraunhofer Institute for Structural Durability and System Reliability (LBF), Darmstadt  
Fraunhofer Institute for Wind Energy and Energy System Technology (IWES), Kassel

## Infrastructure

Frankfurt/RhineMain is internationally known as **Digital Hub**. Some of the reasons:

- World largest internet exchange DE-CIX in Frankfurt
- European second largest Data Center Market in Frankfurt
- International Network Management Center of Deutsche Telekom in Frankfurt
- German hub to pan-European Research Network Géant2 in Frankfurt
- Frankfurt/RhineMain is the traffic hub no. 1 in Europe:  
cargo airport no. 1, passenger airport no. 3  
railway station no. 1, highway intersection no.1

There are many beacons of ICT excellence throughout Hessen. At least, one should mention the **House of IT**, located in Darmstadt, but not regionally bound. It consists of three pillars: research excellence around the “Future Internet” and knowledge transfer, training and teaching as well as founding and growth for extremely innovative ICT companies.



### Further information:

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