ICT.

Thuringia's Information and Communications Technology: From Goethe to Go-Live

With its smart minds, creative thinkers and technical knowledge, Thuringia's IT scene is highly innovative and extremely capable – from small start-ups to publicly traded corporations.

Thuringia's ICT industry at a glance

- Over 1,600 companies
- Around 46,000 employees
- 15 research institutes
- 2 application centers, 7 business incubators
- 9 universities
- Excellent pool of skilled workers with engineering and scientific training
- Countless market and technology leaders

Come to Thuringia, an ICT powerhouse!
We provide full-service support for any investment project – from site searches to implementation to future expansions. Contact us today!

@ https://www.invest-in-thuringia.de/en

ICT specialties

Hardware und systems	ICT services
■ Production of telecommunications equipment ■ Media technology ■ Production, assembly and repair of personal computers and end-user devices ■ Telematics components and systems	■ Cloud and hosting services ■ User helpline services ■ Telecommunications ■ Business process outsourcing ■ Smart services

Software	Measurement and control, sensors
■ E-commerce ■ Web technologies ■ Business software ■ Security software ■ Smart assistance systems	■ Physical sensors and gas sensors ■ Image and signal processing, power electronics ■ Micro-optics, microsensors ■ Microelectronics and laser technology ■ Microsystems technology, nanotechnology

i Erfurt – Germany's high-speed hub
Erfurt has been the logistical center of the German railroad system since 2017. That makes it the perfect meeting point between cities such as Munich, Berlin, Dresden and Frankfurt – all a two hours' ride away on average.

Thuringia's ICT workers are highly motivated, well-trained and eminently adaptable.

Special degree programs and vocational traineeships supply the talented young specialists you need for cutting-edge information and communications technologies.
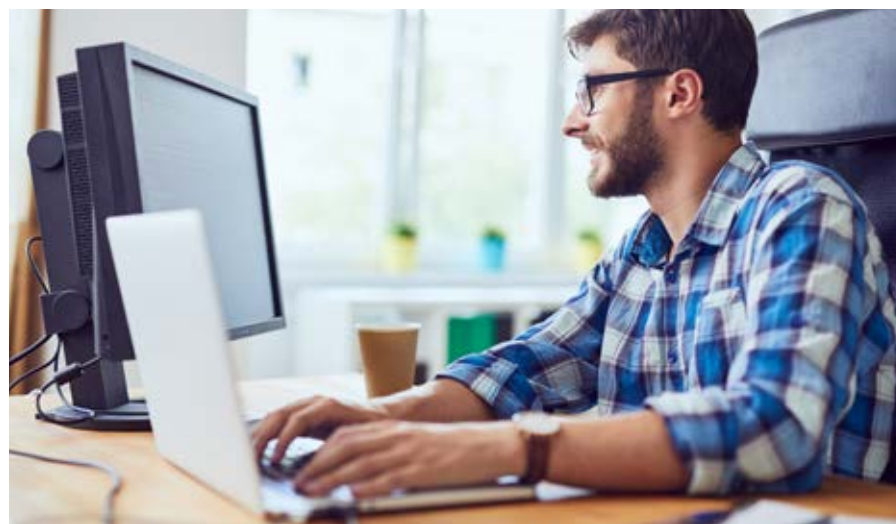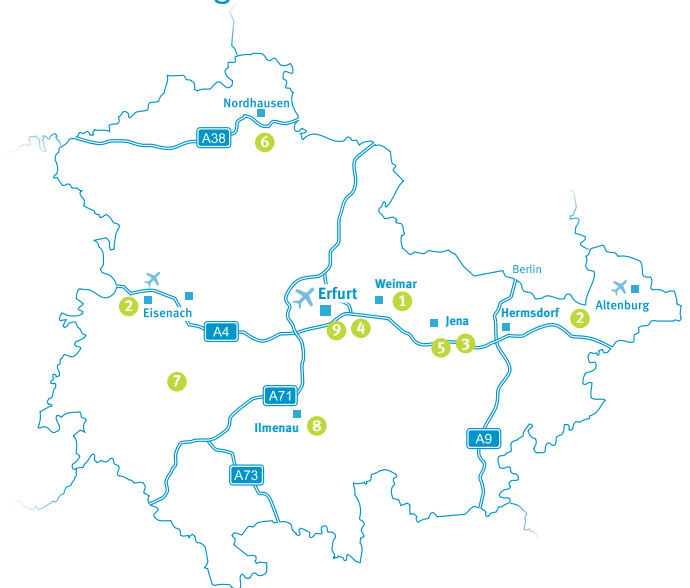
World-class education

Nine universities in Thuringia provide degree programs with industry-friendly specializations.

The gamut runs from traditional training programs and IT degrees to diplomas in highly innovative disciplines:

› Computational and data science
› Human-computer interaction
› Computer science for digital media
› E-commerce
› Internet technology and applications
› Mobile computing
› Media technology
› Technical cybernetics and systems theory
› Biomedical engineering
› Automation and systems engineering
› Digital engineering

Locations for bachelor's and master's degrees in ICT

1 Bauhaus-Universität Weimar

2 University of Cooperative Education Gera-Eisenach

3 University of Applied Sciences Jena

4 University of Applied Sciences Erfurt

5 Friedrich Schiller University Jena

6 University of Applied Sciences Nordhausen

7 University of Applied Sciences Schmalkalden

8 Ilmenau University of Technology

9 University of Erfurt

Successfully networked – from theory to practice.

Enjoy all the benefits of close ties between industry, academia and research. Finding partners is easy. Collaborating is painless.

Current fields of research

- (Big) data science
- Analysis, management and simulation of complex systems
- Virtual and augmented reality
- Artificial intelligence
- Digital engineering
- Natural language processing
- Sensors
- Biosignal processing
- Cryptography and media security
- Smart assistance systems
- Web technologies
- Mobile communications networks
- Digital media technology

In Thuringia, you can plug into a host of research institutions and application centers that employ state-of-the-art technical infrastructure to develop new products and technologies.

Located next door to the MDR and KIKA broadcasting stations, **STUDIO-PARK KinderMedienZentrum** (Children's Media Center) brings together a variety of media service companies whose businesses benefit from their close proximity, excellent communications and multiplier effects.

At the **Digital Bauhaus Lab**, scientists, engineers and artists research intelligent problem-solving behavior, smart interfaces and user interaction, future information access and knowledge processing.

The **Fraunhofer Institute for Digital Media Technology IDMT** develops key technologies for the creative industry in acoustics, multimedia metadata, children's media, bio-inspired computing, and the secure distribution of virtual goods.

Institute for Microelectronics and Mechatronics Systems IMMS conducts research on sensor systems, microsensors, signal processing, system and communications technology, controls, and more. It is also home to a digital innovation hub that supports SMEs ("Mittelstand 4.0 Competence Center").

Dedicated business networks:

Start-up scene in Thuringia
The local start-up scene is booming. Thuringia gives start-ups special initiatives, incentives and support in dedicated business incubators. One such "unicorn" has already left the co-working spaces in Erfurt to enter the big wide world: Fayteq and its live video editing technology were acquired by Facebook.

Thuringia: where success is made.

Christian Grötsch, dotSource GmbH

"In Thuringia, we have the business, research and science network that we need to succeed."

dotSource GmbH
The Jena-based agency helps companies design digital customer relationships. Focusing on e-commerce, digital platforms and CRM, dotSource develops and implements scalable digital products for its customers.
www.dotsource.de

KIDS Interactive GmbH
KIDS Interactive digitalizes knowledge. The Erfurt company's projects range from edutainment and e-learning projects for classrooms to sophisticated learning applications for organizations and companies. KIDS Interactive's augmented reality apps make school books come alive all over the world.
www.kids-interactive.de

Funkwerk AG
Cutting-edge system solutions for traffic and control communications are developed at the Kölleda headquarters. Communication systems from Kölleda control transportation hubs, ports, canals, airports and entire segments of railroad tracks all across Europe.
www.funkwerk.com

IBM Deutschland CSS GmbH
The company is one of Europe's leading vendor-agnostic IT service providers. It serves customers around the world from Erfurt – in up to 25 languages, 365 days a year.
www.ibm.com

retarus GmbH
As a leader in information logistics, Retarus drives communication for major corporations worldwide. The IT service provider is called in wherever large volumes of data have to be transferred securely and reliably, across all communications channels. It is powered by a global delivery network with data centers in Europe, the US and Asia. All global customer support has been provided from Erfurt since 2018.
www.retarus.com

NT.AG
Erfurt-based NT.AG has been successfully serving its clients' information and knowledge management needs for over 20 years. Its portfolio ranges from analyzing business processes and costs to implementing necessary changes in the complementary business segments of software development, managed IT and hosting services.
www.nt.ag

Selected companies

ADICOM Software KG, *Weimar*
ADVA Optical Networking SE, *Meiningen*
bluechip Computer AG, *Meuselwitz*
Capgemini Deutschland GmbH, *Erfurt*
CGI Deutschland Ltd. & Co. KG, *Erfurt*
Computacenter Managed Services GmbH, *Location Erfurt*
Cuculus GmbH, *Ilmenau*
diva-e Platforms GmbH, *Jena*
EasternGraphics GmbH, *Ilmenau*
ePages Software GmbH, *Jena*
EPSa Elektronik & Präzisionsbau Saalfeld GmbH, *Saalfeld*
Fujitsu Technology Solutions GmbH, *Sömmerda*
Hyrican Informationssysteme Aktiengesellschaft, *Kindelbrück*
IBYKUS AG, *Erfurt*
Intershop Communications AG, *Jena*
Melexis GmbH, *Erfurt*
mobilcom-debitel GmbH, *Branch Erfurt*
NTT Data Deutschland GmbH, *Erfurt*
Plazz AG, *Erfurt*
PDV-Systeme GmbH, *Erfurt*
Qundis GmbH, *Erfurt*
SELLBYTEL Group GmbH, *Erfurt*
Thales Transportation Systems GmbH, *Plant Arnstadt*
X-FAB Semiconductor Foundries GmbH, *Erfurt*