

Energy and Environmental Technologies.

Environmental protection, resource efficiency, green tech – key technologies made in Thuringia.

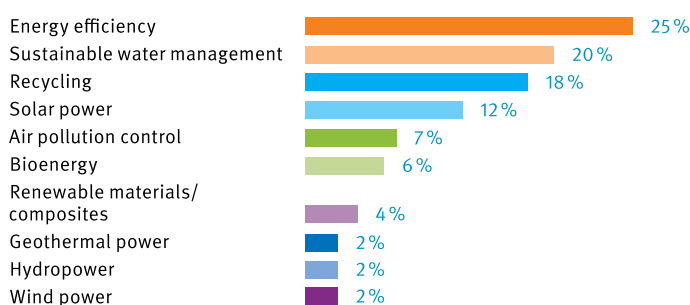


Thuringian companies are among the world's leading providers of state-of-the-art power and environmental technologies: from conventional environmental protection and renewable energies to up-to-date technologies allowing an increase in energy efficiency.

Quality made in Thuringia is in big demand, especially in waste processing, water and wastewater treatment, air pollution control, revitalization and renewable energies. By working closely with research institutions in these fields, Thuringia's companies can fully exploit their potential for growth.

Proportion of companies

(Source: In-house calculations according to LEG Industry/Technology Information Service, July 2013, N = 366 companies, multiple choices possible)



Thuringia's energy and environmental technology industry at a glance:

- › 366 companies
- › 5 research institutes
- › 7 universities
- › leading engineering service providers in disciplines such as industrial plant construction, hydrogeology, environmental geology and utilities
- › market and technology leaders such as ENERCON, Siemens and Vattenfall

Seize the opportunities that our region offers.

Benefit from a prime location in Europe's heartland, highly skilled workers and a world-class research infrastructure. We provide full-service support for any investment project – from site search to project implementation and future expansions.

Please contact us.

@ www.invest-in-thuringia.de/en/top-industries/environmental-technologies/





Skilled specialists – the keystone of success.

Thuringia invests in the training and professional development of skilled workers so that your company can develop green, energy-efficient solutions for tomorrow. This maintains the competitiveness of Thuringian companies in these times of global climate change.



“Environmental technologies grow dynamically with the market. This is both a challenge and an opportunity for companies and research institutes. Thuringia pools various capabilities in R&D, specialist training and the industrial domain. It provides an environment in which energy and environmental technology companies can truly thrive.”

Peter Traut, Managing Director, OMROS Gesellschaft für Umwelttechnik mbH, President of the Southern Thuringian Chamber of Industry and Commerce

University Education

Thuringia’s universities offer countless interdisciplinary degree programs that effectively prepare students for the fast-moving energy and environmental technology market.

Selected degree programs:

- › Regenerative Power Engineering (B.Eng.), University of Applied Sciences (UAS) Nordhausen
- › Environmental and Recycling Engineering (B.Eng.), UAS Nordhausen
- › Environmental Engineering (B.Sc.), UAS Jena
- › Environmental Engineering and Development (B.Sc.), UAS Jena
- › Electrical Power and Control Engineering (M.Sc.), Ilmenau University of Technology (TU Ilmenau)
- › Regenerative Power Engineering (M.Sc.), TU Ilmenau
- › Building Physics and Energy-Efficient Building Design (M.Sc.), Bauhaus University Weimar
- › Environmental Engineering Sciences (M.Sc.), Bauhaus University Weimar
- › Water and the Environment (M.Sc.), Bauhaus University Weimar
- › Environment-Energy-Chemistry (M.Sc.), Friedrich Schiller University Jena

Vocational and further training

Thuringia’s vocational training programs give energy and environmental technology specialists the knowledge and skills they need to succeed. Private and public schools provide a wide range of industry-related programs. They cover everything from basic fundamentals to the latest technological advances.

Selected vocational training programs:

- › Sewage engineering technician
- › Water supply engineering technician
- › Water management specialist
- › Recycling and waste management technician
- › Biological, physical, and chemical laboratory technician

There are also many continuing education programs such as the IHK certification as an Energy Manager.

Fertile ground for innovation.

Not only does Thuringia have an outstanding research infrastructure, but it places a premium on building strong relationships between business and science.

Selected research institutes:

- › CiS – Research Institute for Micro-sensors, Erfurt
- › Fraunhofer Institute for Ceramic Technologies and Systems, Hermsdorf Branch (IKTS)
- › IAB - Weimar Institute of Applied Construction Research
- › Fraunhofer Application Center System Technology AST (part of Fraunhofer IOSB), Ilmenau
- › Thuringian Institute for Textile and Plastics Research (TITK), Rudolstadt

Further information at

<http://www.invest-in-thuringia.de/en/top-industries/environmental-technologies>

Thuringian Energy and GreenTech Agency (ThEGA)

As Thuringia's state energy agency and a service provider for the state government, the Thuringian Energy and GreenTech Agency (ThEGA) advises municipal governments, companies, community energy initiatives and policymakers without any market or manufacturer bias.

Its mission is to support the continued expansion of renewable energy in Thuringia, identify ways to achieve maximum regional value generation and help companies and municipal governments capitalize on energy conservation opportunities.

www.thega.de



i Stronger together

Fraunhofer innovation cluster "Green Photonics"

This cluster organization located in Jena pools the resources of the federal government, state government, industry and science to open up new opportunities in optical technologies. It focuses on generating sustainable growth and making Thuringia an even more attractive place for green tech companies to do business.

The mission of this public-private partnership is to help find ways to solve tomorrow's most pressing problems. Light is the foundation of carbon-neutral energy production. It enables energy- and resource-efficient production processes and helps prevent environmental catastrophes. Light is also a major contributor in ensuring the safety of our food and drinking water supply.

ThEEN e.V.

In 2013, the Thuringian Renewable Energy Network (ThEEN) was founded as an umbrella organization for renewable energy and energy storage in Thuringia. With its member associations as well as numerous companies, research institutes, municipalities and institutions it represents and concentrates the know-how of more than 300 companies. A special mission of ThEEN is to support relevant political processes and decisions at state level.



Thuringia: where success is made.

Thuringia offers outstanding opportunities for players in the energy and environmental technology industry to innovate and grow, as illustrated by the many companies who have expanded or relocated here.

ENERCON GmbH

As one of the world's leading wind power companies and the German market leader, ENERCON employs about 13,000 people worldwide. It is one of the world's leading manufacturers of wind turbines, with over 20,000 turbines installed in more than 30 countries. ENERCON built a new logistics center for its pan-European service activities in Gotha in 2012. It is affiliated with a large training center where service technicians are trained to maintain and repair the latest generation of wind turbines.

SCHACHTBAU NORDHAUSEN GmbH

The Environmental Technology division of SCHACHTBAU NORDHAUSEN GmbH was established in 1994 and has successfully completed more than 200 environmental projects. Its primary field of activity is the turnkey construction of biogas plants, the outfitting of water management installations such as sewage treatment plants and pumping stations, and plant and piping construction for all types of environmental projects.

K-UTEC AG Salt Technologies

From a "pure" potash investigator to a recognized research institute and engineering services provider: Sondershausen-based K-UTEC Salt Technologies has been realizing innovative and interdisciplinary environmental projects since 1992. Its core competencies are mineral salt mining, processing and packaging, management of abandoned mines, waste dump reclamation and environmental analysis. K-UTEC's R&D segment also develops thermal energy storage systems (latent heat).

GAIA Akkumulatorenwerke GmbH

Green "fuel" for electric vehicles: GAIA Akkumulatorenwerke is already producing batteries for tomorrow's eco-friendly cars. The Nordhausen-based company currently employs around 80 people. GAIA's lithium ion batteries are used in hybrid and electric vehicles, wind power plants, boats, aerospace and military applications. Their unique and eco-friendly production process improves the final product's environmental impact.

Selected companies

Analytik Jena AG, Jena
AUMA-TEC GmbH, Suhl
BBW Abwassertechnik Weißensee GmbH Co. KG, Weißensee
EAW Energieanlagenbau GmbH, Westenfeld
ENERCON Service Center Gotha GmbH, Gotha
EPC Engineering Consulting GmbH, Rudolstadt
EuRec Recycling Machines GmbH, Merkers-Kieselbach
Eurofins Umwelt Ost GmbH, Jena
Fugro Consult GmbH, Nordhausen
GAIA Akkumulatorenwerke GmbH, Nordhausen
Jena-Geos-Ingenieurbüro GmbH, Jena
Kustan GmbH & Co. KG, Rudolstadt
K-UTEC AG Salt Technologies, Sondershausen
OMROS Gesellschaft für Umwelttechnik mbH, Hildburghausen
RAB Rohrleitungs- und Anlagenbau GmbH, Löbichau
SCHACHTBAU NORDHAUSEN GmbH, Nordhausen
SolarWorld Industries Thüringen GmbH, Arnstadt
UGN-Umwelttechnik GmbH, Gera
UST Umweltsensortechnik GmbH, Geschwenda
va-Q-tec AG, Kölleda

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Our consulting services are free. Simply set an appointment with our experienced investor service team.

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