



PRESSE-INFORMATION

“Building an entire ecosystem to create jobs in the region and the industry”

Interview with Bernd Holthaus, Head of Human Resources at Intel Germany, on the occasion of Intel's participation at the HMI booth of the Investment and Marketing Corporation Saxony-Anhalt mbH (IMG)

IMG: Mr. Holthaus, in view of the massive shortage of skilled workers in the semiconductor industry, what strategies has Intel developed to attract 3,000 highly qualified specialists for chip production in Magdeburg? And do you have any concrete experience of this?

Holthaus: At Intel, we want to provide an attractive work environment for our employees. This includes a variety of opportunities for growth, a great base salary, a variety of work arrangements, and a wide range of benefits. It is important to us that our team is made up of people from different backgrounds and walks of life, and that everyone feels like they belong. That is why diversity and inclusion are important cornerstones of our culture.

A specific example of this is our Global Workforce Mobility program, which provides a range of measures and support to help global talent come to Germany.

We have already received around 3,000 applications for the first 30 positions. This is a very gratifying number that illustrates the interest in Intel as an employer.

IMG: In which specific areas and positions does Intel need employees and what is your timetable for recruitment?

Holthaus: The positions we are looking to fill in Magdeburg include technical positions such as process engineers, manufacturing technicians, as well as positions in human resources, engineering, finance, IT, and management.

The most important thing for us in all positions is that each person who wants to work for Intel is aware of his or her own interests. This is how we work together to find the right position. Our goal is to hire for the long term and to support our employees' careers over time.

IMG: How does Intel see the cooperation with local educational institutions and authorities to meet the demand for highly qualified workers in Magdeburg?

Holthaus: Attracting and nurturing the talent we need is important to us. Research and education are at the heart of progress. That's



why we're cooperating with universities in Saxony-Anhalt for our planned Magdeburg site, including bachelor's and master's degree programs and internships. Intel is working with universities such as the Otto-von-Guericke University. Among other things, a new degree program was established, and an existing clean room was renovated. We are also collaborating with other regional companies, IMG, Chamber of Industry and Commerce and the employment agency.

We want to build a sustainable talent pool from which service providers and suppliers can also benefit in the long term. To this end, Intel invested in 2023 approximately 1.2 million euros to the university system in Saxony-Anhalt. The research and development department "Intel Labs" also intends to further expand its relationships with universities throughout Germany.

IMG: What role do further training and qualification measures play in securing the required skilled workers in the long term?

Holthaus: Through the measures just described, we want to work with partners to build an entire ecosystem that will grow over time and create jobs in the region and in the industry.

With the help of the Chamber of Industry and Commerce in Magdeburg, the IMG and the Employment Agency and associations, we already have very strong partners on our side.

IMG: Skilled workers from abroad are also needed in Magdeburg. What specific challenges do you see in particular with regard to the immigration of skilled workers in Germany?

Holthaus: Our first 30 employees in Magdeburg come from eight countries, including Israel, Taiwan and Serbia. Generally, we have a good neighbour policy and are confident that international specialists will enrich the location in the long term.

Bureaucracy is a challenge for foreign talent. Cooperation already works very well, especially at the city and state level. It is also important to us that we think through what it means for a candidate to come to Magdeburg. The processes in the administration should be adapted on this basis. When we talk about a welcoming culture, it's not just about a law. It's about everyone's commitment.

IMG: How does Intel support foreign applicants, or are there special programs or initiatives to facilitate the transition and integration of international professionals?

Holthaus: As part of its Global Workforce Mobility program, Intel supports employees who come to Magdeburg from all over the



world. This includes things like registering with the residents' registration office, finding a daycare center, or choosing the right insurance. We not only want to offer our talents a job, but also help them become part of the local community.

IMG: In your opinion, what are the main advantages of Magdeburg as a location for chip production? What factors would you mention to potential applicants to convince them of a career at Intel in Magdeburg?

Holthaus: Housing and education are very important for young families. Magdeburg has a lot to offer compared to Baden-Württemberg or other metropolitan areas where housing is hardly affordable. There are still plenty of apartments available in Magdeburg. And the city continues to invest heavily in housing. The school system for our employees' children is also important.

Many people who left Magdeburg for work in recent years are now returning. In addition, there are many commuters who often have to travel an hour or more and are interested in a local job. The planned Intel factories offer local prospects so that people don't have to leave.

IMG: In one of your first interviews with the Magdeburger Volksstimme, you wrote: "*I'm looking forward to Magdeburg.*" Would you repeat that today?

Holthaus: Of course!



PRESSE-INFORMATION

Recycling for the future

The Magdeburg start-up Solar Materials has developed an innovative process for recycling solar modules. Now the founders are making plans for their technology to be used worldwide.

The question of suitable locations for photovoltaic systems, which can include garden buildings, houses, offices and factories, is of interest to both homeowners and businesses.

By contrast, the founders of the start-up Solar Materials are involved with the other end of the process. "The average life cycle of a photovoltaic module is between 25 and 30 years. The first solar panels from the early 2000s will soon be coming to the end of their life. Initially, we were surprised that no one had really thought about what would happen to the modules after they had been taken out of use. So we developed a recycling plant to create a circular economy for raw materials in the solar industry," said Fridolin Franke, one of the three founders of the company.

Currently, end-of-life modules are shredded and roughly sorted into glass, plastic and aluminum. The valuable materials, such as silicon and silver, fall by the wayside and literally disappear in the dust. "It's a waste of resources that we simply can't afford. Silicon, silver and copper combined make up more than half of the raw material value of a solar module. In Germany alone, the number of modules being recycled will increase to around five million per year by the end of the decade," said Franke, whose background is in industrial engineering.

Around 15 percent of global silver production is currently used in the photovoltaic industry. As a result of the boom in the sector, this could increase to 80 percent. "By contrast, at the moment the recycling rate is zero. And amazingly, manufacturers simply don't seem to care. Their focus is on putting more and more products onto the market," explained Fridolin Franke.

The pilot plant patented by Solar Materials is in a factory building in Magdeburg, where the company was founded in 2021. The technology is based on thermomechanical processes which are not only environmentally, but also economically sustainable. For example, recycling the raw materials uses around 80 percent less energy than primary production, which results in a much smaller carbon footprint. The process that has been developed is the first in the world to offer a financially viable solution for the efficient recovery of all the raw materials from solar modules.

Fridolin Franke has an explanation for why the three young engineers succeeded in pulling this off: "I believe we had the advantage of knowing nothing about recycling or about solar modules at the start. We also didn't have a preference for a particular technology. We focused solely on the problem, and we tested a large number of different approaches from infrared and lasers through to microwaves. Finally, we found the most stable and economically viable process. Other technologies worked, but they were often much too expensive or too slow."



The world's first recycling process for solar modules

The pilot plant will enable the start-up to move forward with its ambitious plans for the future. It can recycle 3,000 metric tons of solar modules per year and preparations are already underway to scale the process up to an industrial level. In the medium term, Solar Materials plans to separate 8,400 metric tons of solar cells a year into the original raw materials at a site in the Magdeburg region and another in southern Germany. The separation process produces glass in small pieces, copper and plastic in granulate form and silicon and silver dust. All of these materials are then processed by partner companies.

After the pilot project and the start of industrial production, the technology will be taken to an even larger scale. "We want to have a presence in as many markets as possible, because this will be a problem all over the world. We have already had inquiries not only from Italy, France and Spain, but also from India and Japan," said Franke.

Magdeburg has proved to be an ideal location for the founders of the company Fridolin Franke and his colleagues Dr. Jan-Philipp Mai and Jan Bargel. Although the engineers studied and carried out their research at the Technical University of Braunschweig, they moved to Magdeburg with their new company. They were unable to find suitable factory premises with offices in Braunschweig despite the fact that they played an active role in the start-up network there. "Everything went relatively smoothly in Magdeburg. Also the logistics are ideal for us here, because the recycled material needs to reach our customers as quickly as possible. The funding from the Saxony-Anhalt Investment Bank and the support from the region's Investment and Marketing Corporation were a big help in the early days," explained Fridolin Franke.

The boom in the production of photovoltaic modules will lead to a massive increase in the demand for recycling services. The future is sunny for the cleantech start-up Solar Materials, even though the sun does not actually need to shine for the company to be successful.

www.solar-materials.com



“The Hannover Messe opens up the opportunity to get to many markets.”

Saxony-Anhalt is one of the pioneers in Germany in the expansion of renewable energies. Solar energy is playing an increasingly important role. But the construction of any photovoltaic system requires a lot of material, including valuable materials such as silicon, silver and copper, which together make up more than half of the raw material value of a solar module. It makes sense not to simply shred the used modules as was previously the case, but rather to recycle and recover the materials they contain, as the start-up SOLAR MATERIALS GmbH does. The young company recently received the **Solar Startup Award 2024** for its innovative recycling technology. The company was funded by, among others, the Investment Bank of Saxony-Anhalt and was supported by the Fraunhofer Center for Silicon Photovoltaics CSP in Halle (Saale) and the Investment and Marketing Company Saxony-Anhalt.

Mr. Franke, your company is one of the exhibitors at the Saxony-Anhalt state presentation at this year's Hannover Messe. What motivates you to do this?

The Hannover Messe offers the opportunity to present ourselves to a broad audience. This year's motto "Energizing a sustainable industry" fits perfectly with our mission to transform the solar industry into a circular economy. The problem of wasting resources exists all over the world, so we are pleased about the opportunity to provide an impulse with our technology for international trade fair visitors. We also look forward to exchanging experiences and information, networking and making new business contacts.

How did you actually come up with the idea of founding Solar Materials GmbH?

When we took a closer look at the solar industry, we were surprised that there is no established recycling process that recovers all raw materials. With the previous method, the functional materials of the solar cells, silicon and silver, are lost. The SOLAR MATERIALS process also recovers these raw materials. This is not only a great economic advantage, but also has a positive effect on the climate.

What are you planning for the future?

Both the expansion of photovoltaics and the number of solar modules to be disposed of will increase sharply in the coming years. By 2025, we will therefore increase our recycling capacity from the current 3,000 tons to over 10,000 tons per year at our location in Magdeburg and put another location into operation in southern Germany. Our technology will then be rolled out internationally in order to offer customers worldwide professional and economical recycling of their solar modules.



Magdeburg Digital

The Heart and Mind of Magdeburg's Digital Economy

Magdeburg Digital is a network for digital experts seeking to exchange ideas, collaborate, and advance the region for the benefit of all.

More than just a meetup, Magdeburg Digital is a **collective of businesses and organizations** representing the **digital economy** of the city of **Magdeburg**. We bring together interests and expertise, providing services and fostering collaboration. Our members specialize in software development, web design, online marketing, e-commerce, IT consulting, artificial intelligence, blockchain, VR/AR, and more. We offer a platform for members to share knowledge, experiences, and contacts, as well as to initiate joint projects and participate in exciting events. We promote digital transformation in politics, education, business, health, welfare, and society.

Our meetup is an open and informal gathering where digital experts from various industries come together to discuss current trends, challenges, and solutions. Each session features engaging presentations from our members or invited guests, sharing their knowledge and experiences. There's also ample time for networking, discussions, and enjoyment with snacks and refreshments.

The goal of our meetup is to connect digital companies and organizations, laying the groundwork for joint offerings from Magdeburg to clients worldwide. We aim to showcase the individuals behind these initiatives, as well as the capabilities and value proposition of the companies and organizations, supporting them in collaborative projects. This includes cross-sectoral educational offerings, joint regional and international recruiting efforts, and collective participation in trade shows and conferences.

Currently, **44** companies, **2** universities, **4** associations, **3** ministries, and the city of Magdeburg are active participants in the Magdeburg Digital meetup.

If you're interested in the digital scene in Magdeburg, we invite you to visit our booth at trade shows. There, you can engage with our experts from various fields, learn more about our exciting



MAGDEBURG

D I G I T A L

projects and offerings, and gain insight into the capabilities and added value of our regional network partners. Additionally, you can inquire about our educational and recruiting opportunities and discuss your own challenges and needs with us. We look forward to meeting you!

Contact

Ingo Heyroth

Tel.: 0163 6322596

Email.: meetup@digitales-magdeburg.de



... und viele mehr



PRESSE-INFORMATION

Precise success in the niche

From cheese presses to motor protection sleeves, from plant engineering to medical technology: sheet metal parts are used in many areas and industries. awab Umformtechnik und Präzisionsmaschinen GmbH in Oschersleben has specialized in such parts with a precisely fitting shape. The traditional Saxony-Anhalt company uses technology that guarantees high profitability even for small to medium batch sizes - and is writing a success story from its niche.

What comes out of the awab Umformtechnik and precision mechanics halls in Oschersleben is delivered ready for installation. "Our components are in end products all over the world," says managing partner Rolf Hoffmann. He is old school - someone who rolls up his sleeves and is used to work the machine himself. When he talks about the company, one feels that there is a lot that connects the man from Oschersleben with his company.

Shortly after reunification, he took over the old pump factory - a "terrifying property", but inside it was equipped with conventional presses and an almost new flow-forming machine. "The real capital," says Hoffmann, "were the skilled workers and engineers." Around 20 people were taken on in 1993, tool designers and tool makers who not only simply designed things but could also represent and build everything themselves. Back then, they started with stamping and sheet metal parts as well as small systems and tried things out. They looked for the niche they could occupy, where they could be better than others. Where they could build unique selling points.

The unconditional will to innovate

It was a wild time back then, remembers Rolf Hoffmann. Today, awab has been established for a long time and is writing success stories. But this spirit of yesteryear still blows through the company. They impress in Oschersleben with their know-how, tradition and unconditional desire to innovate. Back then they toured the country at trade fairs and explained what was possible with forming technology. The boss repeatedly explains that they can replace heavy cast parts with sheet metal parts made from all cold-formable materials. Among other things, they gained a major customer for whom they replaced a complete series of cast valve actuators with newly developed sheet metal parts made of stainless steel.

The company in the Börde district creates unique selling points by developing individual solutions for precise parts for each customer and making forming technology usable even for small quantities. "We can produce components that others cannot produce," says Rolf Hoffmann, "especially not in small batches." In most cases, the ready-to-install components have secondary molded or welded-on elements such as grooves, beads, and embossings, threaded sockets, handles or bolts. Awab products are mainly ordered by customers in Germany and neighboring countries.

Specialist for flow forming processes

The medium-sized company is best known as a specialist in the flow-forming process. Before the first use, there was a long period of tinkering and

Investitions- und Marketinggesellschaft
Sachsen-Anhalt mbH
Am Alten Theater 6
39104 Magdeburg

Presse:
Frauke Flenker-Manthey
Telefon +49 391 568 99 71
flenker-manthey@img-sachsen-anhalt.de

Sabine Kraus
Telefon +49 391 568 99 20
sabine.kraus@img-sachsen-anhalt.de



simulations were carried out in order to filter out the technology that could be used to produce sophisticated parts with very little tool effort. Nowadays, with flow forming, awab achieves component geometries and accuracies that conventional forming processes and mechanical processing cannot keep up with, as Hoffmann says. In the Oschersleben industrial area, awab continued to develop the process further at a very early stage in the company's own production and development center (FEZ). The forming technicians from Saxony-Anhalt can use the flow-forming process to produce components that are used in many machine systems.

Over the years, the medium-sized company has positioned itself on the market as an important producer for the economical production of complicated sheet metal parts. Using the flow-forming process, the people of Oschersleben can, among other things, precisely produce lightweight components that are in high demand. One of the unbeatable advantages of this forming process is that the parts have a very high level of stability, explains the company boss. The forming process compresses the sheet metal in such a way that the strength of the material is sometimes even greater than before the process, despite the reduced wall thickness. This in turn means that material consumption and weight are also reduced.

Based on its niche, the company operates with the “centipede strategy”, as Rolf Hoffmann jokingly describes it. It has a broad base, delivers to customers from different areas and uses trade fairs to open up new areas of application. Nowadays, machine manufacturers increasingly want awab to develop the optimal parameters for the design of their machines through technological tests. “People often ask us whether we can do something for them,” says Rolf Hoffmann. Most of the time they can because awab also has experience in dealing with materials that “many people don't even think can be formed at all.” For example, in Oschersleben, high-tech components are made from alloys that are difficult to form.

Rooted in Saxony-Anhalt

With the Magdeburg-Stendal University of Applied Sciences, awab is currently developing application scenarios for artificial intelligence in the production of flow-forming tools. If Rolf Hoffmann looks into the future, AI has long been established. He also sees that his company will continue to stimulate Saxony-Anhalt as a business location. For him and his daughter Kathrin Wilke, who acts as second managing partner, moving the company headquarters was and is never an issue. The entrepreneur says: “We have our roots here. We set everything up here. We want to stay here.” The company has no shortage of skilled workers to date. With foresight, awab has been training trainees since the late 1990s. Many of the self-trained specialists are part of the core of the team of around 35 people.

More information: info@awab.de, www.awab.de

Author: Manuela Bock



PRESSE-INFORMATION

Stendal and the Altmark: business location with potential and space for future visions

Thanks to the ICE connection, Stendal is virtually on the outskirts of the metropolis of Berlin with a journey time of 45 minutes. Interesting commercial space, affordable residential and business premises, low trade tax rates and a visionary center manager of the BIC Altmark innovation and start-up center ensure attractive conditions for start-ups and settlements.

“We have to make the potential of our location visible,” emphasizes Mathias Schulz, Managing Director of IGZ BIC Altmark GmbH. “Stendal and the Altmark have a future.” While the Altmark is primarily known and popular as a holiday destination, Schulz sees future opportunities for many more industries in his region. IT and software companies can find affordable office space with fast and reliable data lines here. If the necessary specialists cannot be found locally, they can get to their place of work quickly and easily by train from Berlin.

As a former railway town and the headquarters of Alstom Lokomotiven Service GmbH, Stendal also offers a high level of expertise in this area. Thanks to restructuring, there is now capacity for new settlements in the former Reichsbahn repair shop. Initial discussions are already being held in collaboration with the IGZ to connect innovative start-ups with Alstom and initiate joint projects. In the future, the wastewater from locomotive washing will be recycled into drinking water. An AI start-up wants to use drone footage to simplify on-site maneuvering work. “These are initial ideas and examples of how we can expand this historic location in a future-oriented manner,” reports Mathias Schulz. “Solutions relating to railway technology are one of our strengths.”

Railway hub, airport and commercial ports on site

The already mentioned ICE connection from Stendal is one of the advantages that the region's infrastructure offers. There is also a railway hub for cargo and freight traffic here. The commercial ports on the Elbe in Arneburg and Tangermünde as well as the proximity to the A 2 and A 14 motorways make the Altmark an excellently developed and central location in the country. The former Stendal-Borstel military airfield serves as a commercial airfield for aircraft up to 14 tons.

Mathias Schulz, who has been managing director of the IGZ since January 1, 2024, and himself comes from Stendal, wants to “bring the potential of his homeland onto the road”. He still knows the IGZ, which was founded in 1992, from his student days. In the future, the IGZ will be combined with the economic development of the city of Stendal in order to promote the business location more efficiently and in a more targeted manner. Mathias Schulz is very well connected and committed, so that he is already shaping the flourishing Stendal-Altmark location in his vision.

For Schulz, the airfield with its partly listed hangars is one of the most expandable properties in the region. Some of the extremely robust hangars



are overgrown and naturally offer a constant indoor climate. In addition, the region produces plenty of green energy and the surplus is exported. Schulz sees this location as predestined for a self-sufficient data center. The hangars offer plenty of space, the server systems hardly require any cooling due to the conditions and supplying them with their own energy would offer enormous reliability. "While capacity for data centers is dwindling elsewhere, there would be plenty of space here," reports Schulz of his vision. A potential Stendal-Borstel airfield business park could also be interesting for other business areas. The first expressions of interest from potential investors have already been received. Schulz is now in talks with investors to raise the necessary 10 million euros to develop the site.

High competence in health and social professions

The focus on the area of health and social affairs is less visionary but just as future-oriented. Stendal and the region can already score points here with a high level of expertise and good infrastructure. The Johanniter Academic Teaching Hospital with 16 specialist departments as well as the Salus specialist and day clinics with a focus on psychiatry and psychotherapy provide a broad range of health care. Several vocational schools, vocational training colleges and vocational training centers ensure the skilled workers of tomorrow, including nursing training in Stendal. The Magdeburg-Stendal University of Applied Sciences also has a multidisciplinary course that is unique in Germany: the "Applied Childhood Sciences" course. Sociology as well as educational sciences form the focus of the studies, supplemented by psychology, political science, diversity studies, health and social work sciences.

Meanwhile, Mathias Schulz is planning to start a project on the topic of social entrepreneurship. Nowadays it is increasingly important for companies to take on social responsibility and invest part of their resources for the public. Through social innovations from companies, future-oriented ideas can emerge that have both economic and social benefits. Due to his previous activities, Mathias Schulz is well networked nationally and internationally in the field of medical technology. Manufacturers of the latest medical devices are always looking for possible clinic locations in order to use and optimize their new developments in practice. Thanks to an open hospital director, a development area could emerge here in the medium term.

"Stendal level": Think big, act locally

This year the IGZ BIC Altmark is represented at the most important industrial trade fair in the world, the Hannover Messe. Here the center manager wants to make the potential of the Stendal-Altmark region visible and promote a settlement. In addition, there are still free areas of around 10,000 square meters of office and storage space in the IGZ. With rent of 8 euros per square meter, it offers the best conditions for start-ups and those wanting to find a business, especially in the areas of IT and digitalization.

Mathias Schulz sees his task as "acting at Stendal level" and by that he means: think big, act locally.

Author: Miriam Saatz



SACHSEN-ANHALT

Investitions- und
Marketinggesellschaft

Contact:

IGZ BIC Altmark GmbH
Arneburger Straße 24
39576 Hansestadt Stendal
Tel.: 03931 / 681 – 0
Fax: 03931 / 681 – 443
E-Mail: info@bic-altmark.de

Data & facts Stendal as a business location:

- ICE connection Stendal – Berlin
- Connection via the A 2 and A 14 motorways
- Stendal-Borstel airfield for aircraft up to 14 tons
- Railway hub for cargo and freight transport
- Elbe economic ports in Ahleburg and Tangermünde
- Cheap rents for offices, storage areas and living space
- High standard of living
- Daycare centers, schools, private high schools, etc.
- Low trade tax rate
- Free space for commercial, industrial and private homes
- Competence in the areas of railways, health and social affairs

Investitions- und Marketinggesellschaft
Sachsen-Anhalt mbH
Am Alten Theater 6
39104 Magdeburg

Presse:
Frauke Flenker-Manthey
Telefon +49 391 568 99 71
flenker-manthey@img-sachsen-anhalt.de

Sabine Kraus
Telefon +49 391 568 99 20
sabine.kraus@img-sachsen-anhalt.de



PRESSE-INFORMATION

Tangermünde company puts rubber in the fast lane

Eight years ago, Dr. Claus Gernert moved from Hamburg to Tangermünde. He found his calling at dGW Gummiwerke AG in the north of Saxony-Anhalt. The chemist uses his knowledge of materials and possibilities, mixes it with clever sales offers and prepares the company, founded in 2007, for the future. What rolls off the assembly line here is rarely big and little to see. But indispensable as a component.

Nothing works in Miele dryers and dishwashers without the small rubber part from Tangermünde. The black cap prevents water from accidentally escaping from the household helpers in the event of a power failure. When building fiber optics, Telekom installs cables in its cabinets with outlets that are protected with grommets from the Gummiwerk in Saxony-Anhalt (dGW). Wheels for boards that winter sports enthusiasts use to do their practice laps also come from there. Three examples that show where a dGW part can be found. "Many of our products are installed in such a way that they cannot be seen, but are usually located in important places," says plant manager Dr. Claus Gernert. The native of Tangermünde never tires of talking about it, spending hours behind the wheel to do so, visiting potential customers and letting them feel the material. He knows that "rubber is tactile" and "that anyone who has touched it can talk about it better."

"We are quick to adapt to customer requests."

Once interest has been sparked, the North German native puts everything on the table that the Altmark company has to offer. This is very much. It starts with the medium-sized company making exactly what is needed for each customer. "We are very quick to adapt customer requests for quantities of up to 100,000," says Dr. Gernert. In each of the three shifts, more than 1,000 molded parts are created - seals, rubber sleeves, hoses and other assembly parts that are used in plant and automobile construction. Most of the products from Tangermünde end up with medium-sized automobile manufacturers, infrastructure companies, sporting goods manufacturers or industrial customers in Germany. But companies from the USA and neighboring European countries also appreciate the quality. The Tangermünder can process any rubber or rubber mixture. They also deliver when it comes to the production of two-component components: They combine different types of rubber, rubber with plastic or rubber with metal. They have made a good name for themselves far beyond federal state borders. This has a lot to do with the fact that people here have the courage to "question processes and opinions," says the plant manager.

Eight years ago, he came from the Hamburg region to the northern tip of the central German state. At dGw Gummiwerke AG, the PhD of Chemistry quickly realized that his understanding of the material gave him a head start in sales. He brings his knowledge of polymers to bear, increases his advice, and creates plans for series production with good economic conditions. A fresh wind is blowing deep into the production halls in the industrial park.

Investitions- und Marketinggesellschaft
Sachsen-Anhalt mbH
Am Alten Theater 6
39104 Magdeburg

Presse:
Frauke Flenker-Manthey
Telefon +49 391 568 99 71
flenker-manthey@img-sachsen-anhalt.de

Sabine Kraus
Telefon +49 391 568 99 20
sabine.kraus@img-sachsen-anhalt.de



Employees receive a lot of appreciation.

Years ago, the Tangermünde rubber workers were among the first in the industry to focus on electromobility. They look for solutions to the complex requirements for the raw material early on and find them together with developers and researchers. At that time, the Altmark experts were significantly involved in optimizing fuel sockets for electric vehicles. Their additional protection prevents water from getting in and causing a short circuit. At the same time, they are working on solutions for complicated hose shapes. Wiring harness holders are created that meet high requirements for thermal and mechanical stability and are used, for example, at Porsche.

"I see us in the fast lane," says Dr. Gernert, who recently took over the shares of the two previous owners who retired for reasons of age. As the majority owner of the AG, he attaches great importance to everyone seeing themselves as part of the company. The employees are an important asset of the company. Since 2016, the number has doubled to 18 and the average age has decreased from an average of 50 to 40 years. Almost everyone on the team comes from the region. The company management shows its appreciation, among other things, with bonuses and the promotion of fitness studio memberships, says Dr. Gernert.

In the figurative and true sense, the Tangermünde team gives rubber in Saxony-Anhalt. Internal processes are becoming increasingly digital. Production runs on modern high-performance presses. The company works with researchers to develop new products. "The structures and framework conditions are right for us," says Dr. Claus Gernert. The plant manager has also learned to appreciate the state in his private life. "Cheap rents, beautiful areas and a certainty: I've been here for the eighth year now. That speaks for itself."

Author: Manuela Bock

Contact:

dGW Gummiwerke AG
Industriestraße 1
39590 Tangermünde
Telefon: 03922 7379-0
produkt@gummiwerke.com
www.deutschegummiwerke.de

Investitions- und Marketinggesellschaft
Sachsen-Anhalt mbH
Am Alten Theater 6
39104 Magdeburg

Presse:
Frauke Flenker-Manthey
Telefon +49 391 568 99 71
flenker-manthey@img-sachsen-anhalt.de

Sabine Kraus
Telefon +49 391 568 99 20
sabine.kraus@img-sachsen-anhalt.de

A Climate-Friendly Flagship Project

Green energy from the region for the region – that is the guiding principle of the flagship project "Energy Region Staßfurt – H2 Region Salzlandkreis" located in the Salzlandkreis in Saxony-Anhalt. With electricity from a new wind farm, green hydrogen is to be produced in an electrolysis plant and made usable on-site.

Soon, buses or waste collection vehicles of the Salzlandkreis, especially the interregional logistics traffic, will be able to refuel with green hydrogen. This is because the construction of a hydrogen refueling station is planned in the new industrial park at the Aral Service Station in Brumby, located at the A14 motorway. Additionally, hydrogen can be mixed with natural gas and used for heating residential and public buildings.

The project "Energy Region Staßfurt – H2 Region Salzlandkreis" involves collaboration between the city of Staßfurt, the Salzlandkreis district, Stadtwerke Staßfurt GmbH, Energie Mittelsachsen GmbH, and the Mannheim-based energy company MVV Energie AG along with its subsidiaries MVV Umwelt GmbH and JUWI GmbH. The state government of Saxony-Anhalt sees the use of green hydrogen as a significant contribution to reducing CO2 emissions. The goal is to develop the state into a hydrogen model region in the coming years.

Katharina Kozuchar and Dirk Tempke expect the project to be operational by 2026. Katharina Kozuchar leads the overall project of the "Energy Region Staßfurt – H2 Region Salzlandkreis" and works in business development at MVV Umwelt GmbH. Dirk Tempke is the deputy project manager, also an employee in the business development department of MVV Umwelt GmbH and serves as the regional contact person for the company in Saxony-Anhalt.

Ms. Kozuchar, Mr. Tempke, what has been created so far in the "Staßfurt Energy Region", what are the challenges for the hydrogen model region and where will the path lead?

Katharina Kozuchar: A consortium of regional and interregional companies formed in 2018 to develop the joint hydrogen project in the "Energy Region Staßfurt." The challenges in developing the project include operating in a rural, structurally weak area in the Salzlandkreis where there are currently no major hydrogen consumers from the industry and lacking a metropolitan area with high traffic volume. However, hydrogen propulsion is particularly suitable for municipal transport with many rural routes compared to electric mobility. The central location of the planned hydrogen refueling station on the A14 motorway will also supply interregional traffic, serving as a valuable addition to the only existing hydrogen refueling station in Saxony-Anhalt, located in Magdeburg.

Dirk Tempke: We are currently at the beginning of implementation. Next month, the substation for the wind farm will be delivered and installed, followed by the step-by-step construction of the individual wind turbines, so that we will have completed the wind farm by the second half of 2025. The electrolyzer will be installed upon the wind farm's commissioning. Shortly after, the hydrogen refueling station on the A14 motorway will be operational, supplied by a



repurposed and partly newly built hydrogen pipeline measuring nearly 3 km in length.

Who benefits from the use of green hydrogen? Can it serve as a best practice example for other municipalities or regions, and if so, under what conditions?

Katharina Kozuchar: The use of green hydrogen will benefit the county, which needs to convert to alternative propulsion systems, both in waste management operations and public transportation. The second advantage we see is for logistics traffic, which benefits from the centrally located refueling station. We also aim to set the starting point for other small, rural regions to engage with hydrogen and build infrastructure. With our hydrogen pipeline, we will eventually be connected to the hydrogen grid. This means that we are creating a future perspective for the region with our project, opening up the opportunity for new businesses to settle there. In addition to the hydrogen refueling station, new commercial and industrial areas are currently being developed.

Dirk Tempke: Municipalities will also have significant advantages in municipal heat planning.

The "Energy Region Staßfurt" is one of the exhibitors at the Hannover International. What expectations do you have for this?

Katharina Kozuchar: One expectation is to create more visibility for our project, beyond the Salzlandkreis and even Saxony-Anhalt. Another is to engage in discussions with representatives from other projects, interested entrepreneurs, as well as potential consumers of green hydrogen.

Dirk Tempke: Another expectation we have for the trade fair is to engage in discussions with municipalities that wish to pursue a similar path. There is already an intense exchange of experiences with the districts of Mansfeld-Südharz and Burgenlandkreis in Saxony-Anhalt, both of which aim to partially transition their energy supply to green hydrogen in the coming years. Another significant aspect is the question of funding. We want to use our presence in Hannover to discuss this issue with politicians. Additionally, there is currently no functioning hydrogen market in Germany, which makes the profitability of hydrogen projects challenging. Therefore, as a starting aid, we absolutely need funding to get our project up and running.

Author: Beate Hagen



PRESSE-INFORMATION

The evolution of hydrogen – GETEC creates a model project in the Netherlands

Anyone looking at Eemshaven in the Groningen province of the Netherlands sees something of a paradox: dikes and sheep alongside power plants and wind turbines. In Eemshaven, nature and industry exist in pragmatic juxtaposition. This is all the more true if one also looks ahead to the near future.

Eemshaven will soon become a role model in the energy transition. Together with Delfzijl, it is the starting point for the HEAVENN model project to create a hydrogen valley in the northern Netherlands. The concept is based on the use and integration of existing and planned project clusters at six locations: Eemshaven, Delfzijl, Zuidwending, Emmen, Hoogeveen and Groningen. The vision and goal of many of the project partners from industry, science and government is to use green hydrogen along the entire value chain, at the same time developing viable business models for the large-scale commercial use of hydrogen.

This involves integrating the renewable energy sources that are widely available in the coastal region – onshore wind, offshore wind and solar. The hydrogen produced in electrolyzers is intended to serve as a storage medium for the later recovery of electricity and as a fuel for industrial heat generation and for transport. Also planned is an LNG terminal in Eemshaven, which will be able to handle hydrogen as well as natural gas. The hydrogen produced in the electrolyzers will be transported via modified and refurbished natural gas pipelines and newly constructed infrastructure to various destinations such as Emmen. This is a very sustainable approach which prioritizes the use and refurbishment of existing infrastructure.

Eemshaven thus represents the start of the energy transition to which GETEC is making a significant contribution via its Platform Netherlands and the Hydrogen Competence Center. GETEC PARK.EMMEN is not only a project partner in HEAVENN but also in the GZI Next project based in Emmen. On a slightly smaller scale, GETEC is working with GZI Next on the site of NAM's former gas scrubbing facility to produce green hydrogen in an electrolyzer and renewable electricity from a photovoltaic plant. Both are then transported via a four-kilometer pipeline directly to GETEC PARK.EMMEN for use as energy. In collaboration with a research project of the German Aerospace Center (Deutsches Zentrum für Luft- und Raumfahrt, DLR), GETEC's engineers succeeded in installing new boiler technology in the Park's CHP so that hydrogen can be added to the fuel mix. Today, the hydrogen content is already 18% and is intended to rise to 100% in 2025.

The project work of the team in the Netherlands is supported and supplemented by Platform Switzerland's newly created Hydrogen Competence Center. "As a climate-neutral fuel, green hydrogen will play a key role in providing decarbonized energy services to industry, at the same time contributing to the transformation of energy value chains. It is a climate-neutral raw material for the production of basic chemicals, and a clean and sustainable fuel for the net zero society," says Dr. Guido Zimmermann, CTO GETEC Group.

Investitions- und Marketinggesellschaft
Sachsen-Anhalt mbH
Am Alten Theater 6
39104 Magdeburg

Presse:
Frauke Flenker-Manthey
Telefon +49 391 568 99 71
flenker-manthey@img-sachsen-anhalt.de

Sabine Kraus
Telefon +49 391 568 99 20
sabine.kraus@img-sachsen-anhalt.de



About GETEC:

GETEC is one of Europe's leading energy service providers and contracting specialists for industry and the real-estate sector. Our mission statement "We have the energy for more" serves as a guiding principle for over 2,400 employees at more than 70 locations. These employees help our customers navigate an increasingly complex energy world with outstanding engineering know-how, exceptional regulatory competence, proven operational speed and comprehensive sustainability expertise. We see ourselves as THE partner to our customers for smart, efficient and green energy solutions. We support our customers in their efforts to improve their carbon footprint while keeping a close eye on the future - for the generations that will follow us. From four regional platforms in Germany, the Netherlands, Switzerland and Italy, GETEC provides smart and green energy services to its customers in nine European countries. In addition to a comprehensive range of solutions, a Competence Center located at each regional platform offers additional expertise and capabilities for all GETEC customers throughout Europe - including AI-based energy solutions, district development, development of renewable energies and the use of residual materials for energy generation.

Imagevideo GETEC:

<https://www.youtube.com/watch?v=AD83ab65718>

Reference project from Saxony-Anhalt - Sustainable energy for CropEnergies in Zeitz (see attachment).

Images:

<https://netfiles.de/68ae664ab8bb679ac45b751b1ba519d6f2657e8a3ccd34d5e2096568ef34f3b3;xVKPMmSL>

CLIMATE NEUTRAL ENERGY AND MEDIA SUPPLY



GETEC

Chemical Industry:

CE Biobased Chemicals GmbH, Altröglitz-Elsteraue (Saxony-Anhalt)

ENERGY FOR MORE.

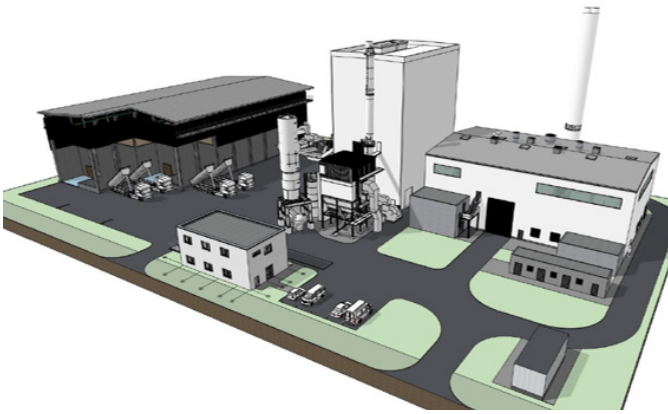


Supported by:



Federal Ministry
for Economic Affairs
and Energy

on the basis of a decision
by the German Bundestag



Visualization of the media and energy supply system.



Exemplary boiler house of a GETEC biomass plant.

THE CUSTOMER

Sustainable products made from renewable biomass are the business of CropEnergies. Founded in Mannheim in 2006, the member of the Südzucker Group is the leading European producer of sustainably produced, renewable ethanol. A new ethyl acetate plant is being built at the Zeitz Chemical and Industrial Park. The new production plant will be the first of its kind in Europe. It will produce 60,000 tons of renewable ethyl acetate per year from sustainable ethanol using renewable energy sources.

THE CHALLENGE

CropEnergies' aim is to achieve greater sustainability through innovations from biomass. To supply energy to the new ethyl acetate plant, a sustainable energy concept had to be developed and implemented.

THE SOLUTION

With extensive experience and expertise in the field of sustainable energy supply, waste-to-value and waste recycling, GETEC has designed a plant for CropEnergies for climate-neutral energy supply with steam, electricity, compressed air and nitrogen. In addition to biomass, the energy solution will also thermally utilize liquid and gaseous production residues. As part of the project development, GETEC applied for and received funding from the Federal Ministry for Economic Affairs and Climate Protection as an investment cost subsidy.

The project will be implemented on a contracting basis and will form a further building block in CropEnergies' sustainability ambitions. With the GETEC solution, CropEnergies avoids CO₂ emissions of over 35,000 tons per year compared to a standard gas boiler.

SCOPE OF SUPPLY AND SERVICES

- Project Development
- Permitting
- Engineering and plant installation
- Financing and Procurement of funding
- Supply of steam and electricity, nitrogen, compressed air
- Plant operation and maintenance
- Fuel supply (biomass)

PLANT DATA

Supply with: Steam
Power
Compressed air
Nitrogen

Energy source: Waste wood A1, A2
Landscaping material
Production residues
Natural gas

COMPONENTS:

- Boiler 1: Biomass boiler system with flue gas cleaning
- Automated crane storage for the biomass
- Boiler 2: Gas boiler for liquid and gaseous utilization of utilization of production residues
- Extraction condensation steam turbine
- Compressed air and nitrogen generation