



green
IMPLANT



We live sustainability.

We have already made significant progress toward achieving climate-neutral implants through various measures implemented in and around our production facilities. We rely on self-generated electricity for energy and manage associated heat production for our manufacturing processes.





Training Project: Biotop Design Solar Park



Overall Project: Solar Park

Königsee Implantate's sustainable solar park is a unique component of the overall project. It encompasses various aspects: the reduction of 200 tonnes of CO₂ annually, the enhancement of flora and fauna around the Aschau facility, and the engagement of trainees who have fortified their skills through this project. Constructing a solar park model using 'THEIR' material—metal—required them to showcase their teamwork abilities in crafting a collaborative piece. This endeavor compelled them to delve deeply into the structure and organization of the training company, environmental conservation, and the planning and execution of work. This wasn't just theoretical learning but a hands-on experience within their own team project.

The integration of professional content is harmonized with a reconsideration of a future-oriented, meaningful existence—even in everyday work life. Königsee Implantate demonstrates that you don't necessarily need a large corporation to implement such comprehensive measures.

Conversion Instead of New Construction

Walking instead of driving and more time for the family—these are the cornerstones on which the idea of the Königsee company location is based. The choice of address was not purely coincidental. The advantages are obvious: many employees of the logistics center in Königsee live in Königsee and can therefore reach their workplace on foot. With the kindergarten in the neighborhood, they are quickly on site in an emergency.



Utilization of Existing Building Structures

During the conversion of the logistics center, careful attention was given to numerous resource-saving details. We even source the energy needed to sustain the building from our own photovoltaic system. As part of our commitment to sustainability, several existing buildings at our company sites have been renovated rather than constructing new ones.





Energy Conservation

The training center has made significant investments in sustainability, incorporating a new photovoltaic system with a total output of 20.15 kilowatts peak (kWp) to supply the building with solar power. Sixty-two modules were installed on the new PREFA roof, generating approximately 21,000 kWh per year. To optimize energy usage, a TESLA battery storage unit with a capacity of 13.5 kWh stores excess energy not utilized during the day. With an annual reduction of around 12 tonnes of CO₂ emissions, Königsee Implantate is making an additional valuable contribution to its commitment to the environment and future generations."





Sustainable Heat Management

We have achieved energy self-sufficiency in our own buildings. Our comprehensive energy management system revolves around optimized waste heat storage using a specialized hydraulic circuit. This allows us to save approximately 30% of our energy needs. The system includes a heating rail connected to a 1.5 m³ stratified hot water storage tank.



Conserving Drinking Water

We have successfully reduced our drinking water consumption by 400,000 liters through various measures. This achievement was made possible by installing a water treatment plant with a centrifuge in the surface center. Additionally, we conscientiously collect rainwater in cisterns to irrigate the green areas and trees planted on our company premises.



Reducing Oil Consumption

The installation of a central oil distribution station, complete with cascade filtration and a suction pump with a filter unit, has significantly extended the service life of our cooling lubricants. Any chips produced are thoroughly separated from adhering oil through the use of a centrifuge before disposal.



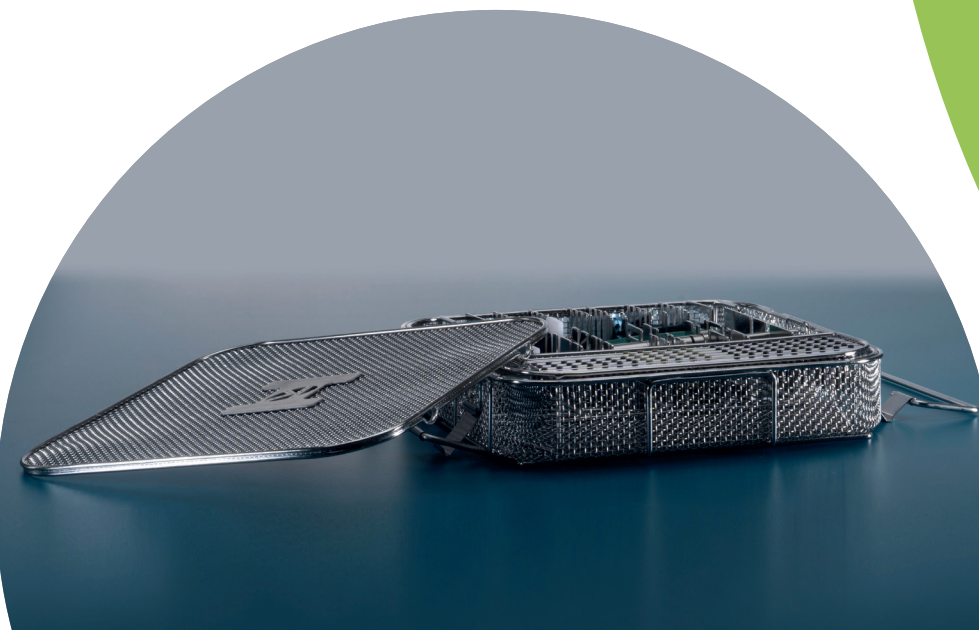
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Sterile Packaging

The prevailing trend in the medical technology industry is towards sterile-packaged implants. While our company highly values innovation and embraces change, we critically analyze the sterile packaging trend. The significant increase in packaging, resulting in substantial additional costs for packaging, logistics, and disposal, along with the subsequent rise in process costs for hospitals, and most importantly, the substantial environmental impact, are the drawbacks of sterile packaging.

Königsee Implantate has taken steps to address these concerns by making a portion of its packaging recyclable. This is achieved by minimizing the use of composite materials and opting for recycled cardboard. Additionally, attention is given to space-saving packaging sizes to reduce packaging material, storage space, and shipping volume.



Double Sterile Barrier

We have successfully optimized the legally prescribed double sterile barrier with a focus on sustainability. Recognizing that the composite materials mentioned earlier pose challenges in recycling, we have significantly reduced their use in the 'inner' sterile packaging. Instead, we utilize sealed PA-PE film for the packaging. This eco-friendly approach is now being extended to non-sterile packaged products as we transition to this type of packaging.



E-Mobility Since 2013

In 2013, Königsee Implantate acquired its first electric car, marking the beginning of a continuous transition. Over the years, the entire company fleet has been converted to electric drive. Our sites are equipped with public charging points, providing Königsee Implantate employees and visitors with complimentary charging services.



Living Sustainability

Reducing emissions isn't limited to driving electric cars; cycling also plays a crucial role. At Königsee Implantate, our bike leasing program offers employees a flexible and environmentally friendly mobility option. The benefits include promoting health through increased exercise and making an additional contribution to environmental protection through CO₂ reduction.



Sustainability in Day-to-Day Business

In an era where the impacts of climate change are increasingly apparent and the need for urgent environmental protection measures is critical, companies like ours are compelled to make a meaningful contribution. One impactful approach is by adopting a tree and participating in the establishment of a company forest.

With 272 trees planted in 2023, our company forest emerges as a proactive force in the battle against climate change. Trees play a pivotal role in reducing atmospheric CO₂ levels, absorbing carbon dioxide, and producing oxygen. The 272 trees in our company forest have the potential to sequester hundreds of tonnes of CO₂ over the years, significantly improving our carbon footprint. By actively contributing to climate protection, we, as a company, demonstrate our commitment to responsibility and our active role in addressing the climate crisis.

Tree Sponsorship as Part of the Corporate Culture

The adoption of a tree and the establishment of a company forest have seamlessly integrated into our corporate culture. We actively encourage employees to engage in various activities, whether it be participating in tree planting campaigns, undertaking regular maintenance tasks, or attending educational events on environmental protection. By providing our employees with the opportunity to contribute to sustainability, we foster an environment where environmental protection becomes a lived aspect of our corporate ethos.





EMAS Environmental Management System

We have chosen to undergo validation for our company in accordance with EMAS. Having successfully completed the initial stages of the project, we remain dedicated to refining our environmental guidelines and upholding an environmentally conscious approach to nature. This commitment allows us to actively contribute to climate protection.



Industry Categorization of the Emissions Profile by Frankfurt School

Königsee Implantate has positioned itself as a pioneer in the medical device industry, achieving results well above industry standards in emissions reduction and introducing innovative approaches and best practices. Our sustainable environmental commitment is a cornerstone of our corporate strategy, setting the benchmark for environmentally friendly business practices. As pioneers, we not only inspire through our exceptional environmental performance but also serve as an example of how ecological awareness and economic success can be harmoniously combined. Königsee Implantate is leading the way, not just for ourselves, but also guiding the entire industry toward a more sustainable future.



Our lawn
mowers in the
solar park



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