

# Recycling Pioneers

for 25 years



When someone aspires to develop machines and systems themselves to achieve a vision because these do not yet exist, this is **courageous**.

When someone works on manufacturing products from recycled plastics despite everyone saying that it is impossible, that is **ambitious**.

When someone does not grow weary **of putting their company's focus on sustainability** through innovation and development, even though this isn't always easy, they have a **valuable vision**.

When someone continues to do all this successfully for 25 years, that just makes us **proud**.

When someone preserves precious resources throughout the years by means of intelligent recycling, then they truly are a **Recycling Pioneer**.

Thomas Manzei  
Waltraud Zeisel  
Jürgen Manzei

Senior Management Team





Recycling used plastics as well as developing and producing innovative products from our own secondary raw material has been enabling us to make our contribution to a greener world since our company was founded in 1994.

In doing so, we are constantly trading new technical ground, defining standards and processes

from scratch and are daring to do things that first appear to be unimaginable.

We are made up of 100 highly motivated specialists, who are driving forward a growing family company that is deeply rooted in the region.

We are **Recycling Pioneers.**

#successstory

We are

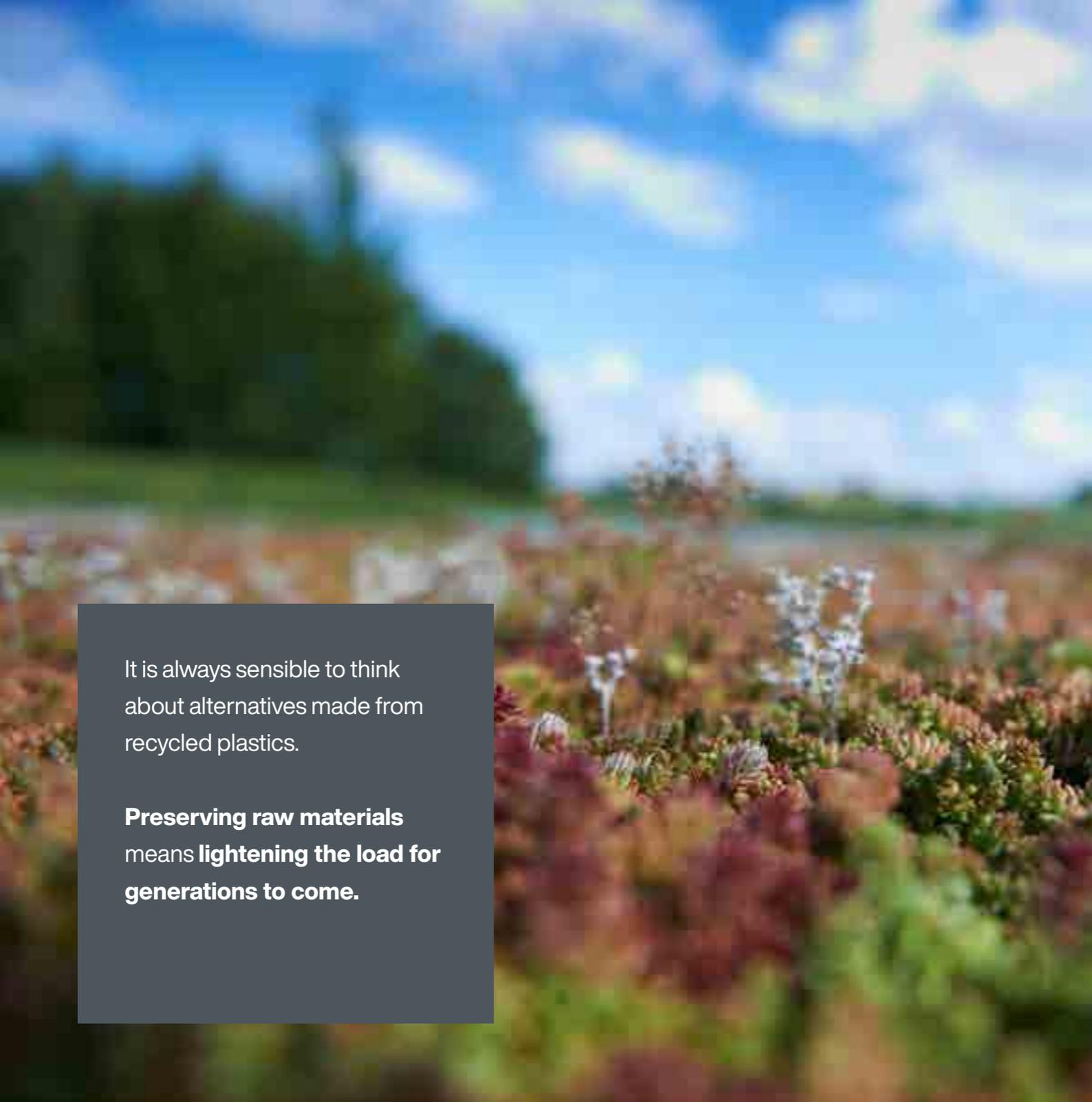
## **pioneers and specialists**

### **Recycled plastics are our world.**

Producing an innovative product from used plastics is a long road. Processing, during which starting material, e.g. from collection systems, such as the Grüne Punkt (Green Dot) in Germany, is cleaned, sorted and processed into high-grade plastic granules, is at the center of our added value. For this, PURUS has reworked the complete process and developed one of the world's most modern recycling systems for used plastics.

Nowadays, we are able to produce plastic granules with a very high grade purity for all the required quality grades. We even produce complex products, which other manufacturers can only produce using new, unprocessed granules ("virgin plastics"), using our secondary raw material in a certified, highly automated production process that is efficient and cost-effective in addition to yielding consistent quality.





It is always sensible to think about alternatives made from recycled plastics.

**Preserving raw materials** means **lightening the load for generations to come.**

*We stand for*

## **less CO<sub>2</sub> and increased preservation of raw materials**

**The topic on everyone's lips today was already old news for us back in 1994.**

With every product made from recycled plastic, we are making an important contribution to reducing our carbon footprint and further curbing wastage of resources. At the same time, we are developing sensible, sustainable solutions which play a key role in unsealing, restoring or protecting grounds from erosion and preserving precious resources.

Every product that we produce is environmentally neutral and recyclable; every project is conceived with an eye on sustainability. We always think and act ecologically. This has turned us from an industrial company into a pioneer with clear, ideological conviction.

[#environment](#) [#climate](#)

# 1994

Our vision laid the  
cornerstone for more sustainability.

“

The trick has always been to create innovative, sometimes highly complex products using secondary raw material.”

– Waltraud Zeisel, Managing Director

Injecting components with new raw materials is neither an art form nor is it particularly sustainable. For this reason, we decided to exclusively process secondary raw material and to produce our own processed recycled granules. As this was a vision with implications, we ultimately had to adapt the entire production and injection process to the requirements of our materials. Over the years, we have taken the issue of feasibility in plastics recycling to a new level.”



We are

**successful  
worldwide.**

### **Think ahead and more long-term.**

In the wake of global climate change and worldwide environmental pollution by waste, the demand for sustainable products is increasing.

Thanks to our international partners and strategic investments, we have a strong network to open up new markets for our products and, at the same time, drive forward the development of new “game changers”.

All this underpins our aspiration to be technological and market leaders in the processing of recycled plastics.



# 1998

## Launch of the first 4-way tools into production

“

We are doing something that never actually worked before. We are increasing production quantities and, at the same time, improving the quality, all using secondary raw material.”

– Roger Fräßdorf and Markus Herrmann

The acquisition of new injection molding and tool technology not only meant that the requirements for the processing and handling systems as well as our recycled plastics had to be permanently evolved with regards to their flow properties and temperature resistance. What felt like a technological revolution back then has long since been outpaced again by advances with unprecedented momentum. Nowadays, we inject using 2,000 ton machines, we mold using 16-way tools and it is all fully automated.

Roger Fräßdorf  
(Production Manager)

Markus Herrmann  
(Technical Manager)



We develop

## solutions using plastics for a greener world.

### We still have a long way to go.

The **ECORASTER® ground reinforcement system** enables us to preserve the ground's natural functions and to create highly durable surfaces. As one of the most popular ground stabilization systems worldwide, **ECORASTER®** has been impressing planners, communities and builders for over 20 years. **ECOSEDUM® PACK**, the easiest roof greening system in the world, stores precious water from roofs across major cities as well as on municipal buildings, thereby relieving the burden on sewerage systems. Our **plastic pallets and cable reels** optimize logistics processes and, in doing so, preserve precious, renewable raw materials, such as wood.

We still have a long way to go. We have been working on solutions to meet the requirements of tomorrow for a long time.

#environment

## ECORASTER®

ECORASTER® is a system solution for sustainable ground stabilization without sealing the ground in the process. Water can drain away quickly and easily, meaning that there are no puddles or mud.



20 mil  
m<sup>2</sup> laid

## ECOSEDUM® PACK roof greening

Pre-grassed ECOSEDUM® PACK modules transform roof surfaces into green rain water storage systems in a jiffy. Thanks to its intelligent drainage system, waterlogging is prevented in a sustainable way.



8 mil  
m<sup>2</sup> laid

## Plastic pallets

Our innovative plastic pallets combine sustainability, which today's market demands, with numerous, well-thought-out user benefits. On average, plastic pallets have a service life that is 10 times longer than wooden pallets.



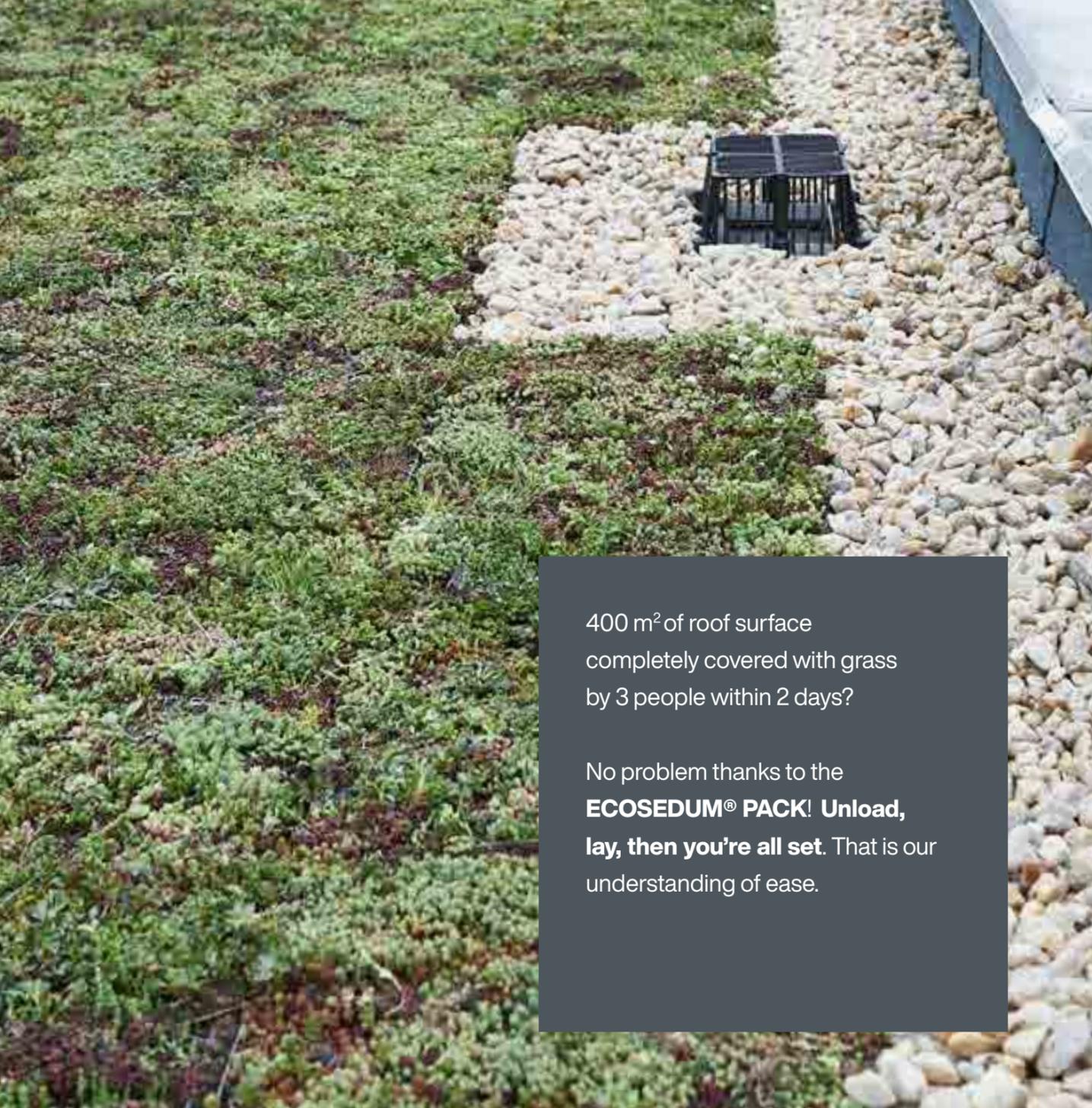
6 mil  
pieces sold

## Cable reels

Plastic reels from PURUS PLASTICS come without any mechanical connections and, as a result, have an appropriately smooth winding space. Their winding width can be flexibly selected and adapted to any requirement.



Start of production  
Cable reel 2.0 2019



400 m<sup>2</sup> of roof surface completely covered with grass by 3 people within 2 days?

No problem thanks to the **ECOSSEDUM® PACK! Unload, lay, then you're all set.** That is our understanding of ease.

The **ECORASTER®** ground reinforcement system comes with integrated expansion joints.

# 2001



Optimization means making things simpler for our customers. Ground stabilization has never been so quick and easy.”

In 2001, we decided to integrate expansion joints into the reinforcement system, which had always been separate up to that point. In addition to the shape, we also changed the formulation of our raw material. A milestone that made our ground reinforcement system even more resilient and the laid surfaces even more durable.

Since its market launch in 1994, this reinforcement system has been revolutionizing landscaping and civil engineering and, at the same time, has been gradually further developed into a true, modular system solution. In the meantime, our system was copied by several competitors who, however, have never managed to achieve the quality of the original.



We are  
**rooted  
in the region**

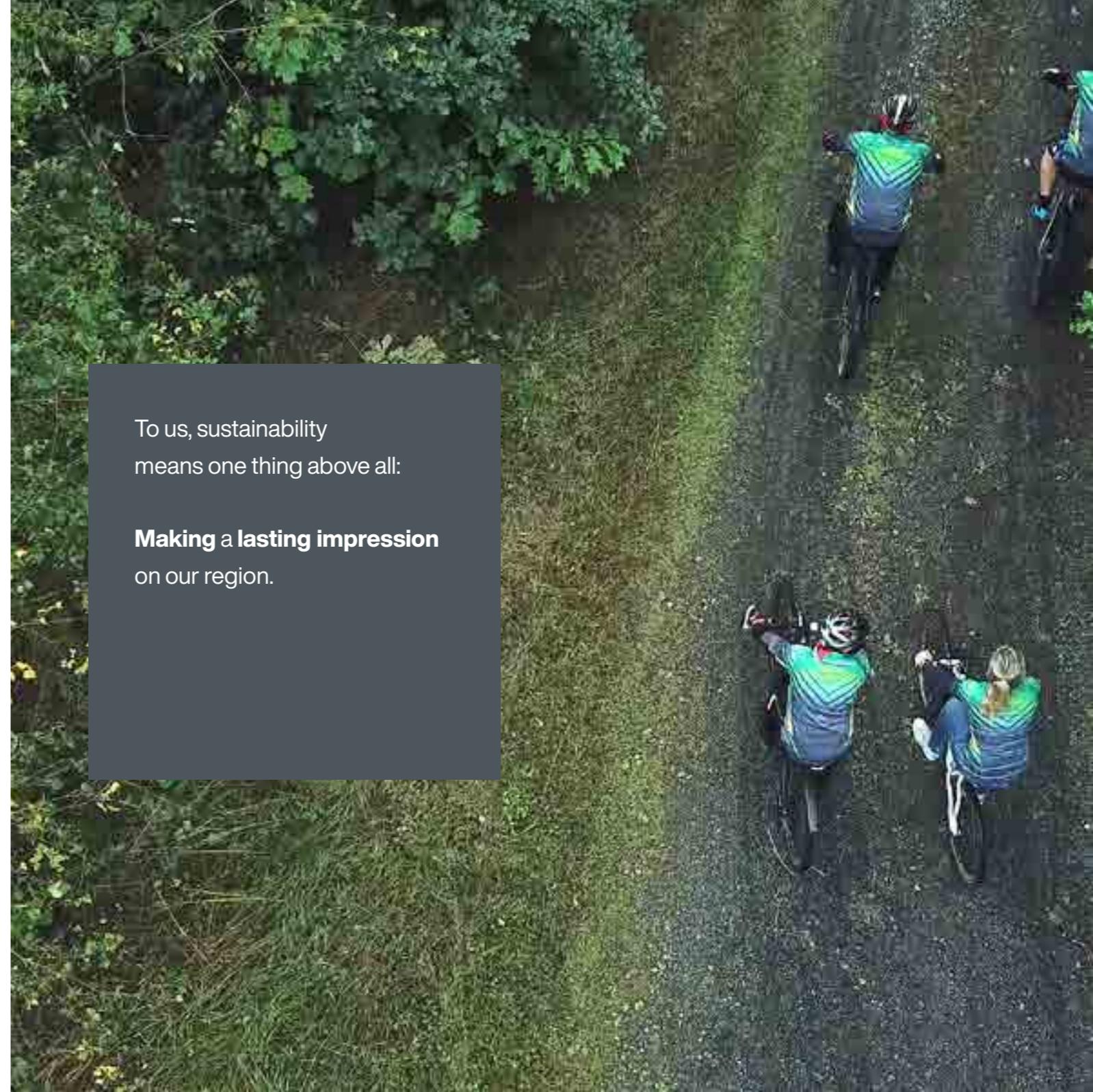
**We know where we come from.**

We appreciate and support our home town, arguably one of the most beautiful and, at the same time, greenest industrial sites in Germany. Since our company was founded, we have continually expanded our company location here in Arzberg, built long-standing connections and clearly made ourselves known as an employer brand from here to the Fichtel Mountains.

We are also aware of our social responsibility and regional bond when it comes to selecting our suppliers and business partners. For this reason, we always try to consider companies predominantly from the region or the existing network. That is our understanding of an attachment to home.

To us, sustainability  
means one thing above all:

**Making a lasting impression**  
on our region.



# 2003

Go-ahead for the first  
plastic pallet from PURUS



Less wood is more.”

The use of precious, natural raw materials for seemingly banal products, such as a load carrier, has always been a thorn in our sides. That is why we developed a full range of pallets made from recycled plastic in 2003, which represent highly durable, shatterproof and sustainable alternatives to classic wooden pallets.

With the FIDUS LIGHT 604, we began series production of the lightest plastic display pallet in 2009. In 2014, we received one of the largest orders in our company history of over 3 million pallets.



We provide  
**jobs with  
prospects**

### **One of the region's best employers**

Anyone who wants to achieve something will find a multitude of opportunities with us in practically any area of professional and personal development.

As a true family company, we support people who want to work with us to achieve something. Trust and mutual respect are very important to us. Therefore, we value and reward initiative and longstanding loyalty with an exceptional, comprehensive package. Even though life does not always go as planned, we are always there for our employees when it comes to our opportunities.

**“You have the potential, we have the opportunities.  
Working at PURUS means being a valuable part  
of the Recycling Pioneer family.”**

– Kristin Jeschke (Human Resources)





*We support*  
**social  
commitment**

**Regional responsibility? A point of honor.**

A company always has a responsibility to its social environment. We are involved extensively in our region and support selected associations, organizations and projects.

We value reciprocal, loyal collaboration and our partners' social commitment. We are justifiably proud of every outcome that serves and helps the people in our region.

Whether by providing project support in terms of equipment or personnel, voluntary assistance, sponsoring or sponsorships, at PURUS great emphasis is always put on social commitment.

[#responsibility](#)

# 2014

The evolution of plastic cable reels keeps on going.



Generations of our cable reels prove by their daily use that disposable can also be sustainable.”

The construction of the first prototype tool for a pluggable cable reel marked the start of a longer success story for PURUS. The robustness of our cable reels is due to the most modern multifunctional tools, which enable one-cast production in the truest sense. As a result, neither costly assembly work nor mechanical connections are required.

Here PURUS operates a truly 360° recycling policy, i.e. in addition to producing disposable reels from 100% recycled plastic, we also take care of their environmentally friendly processing.



We have  
**passion  
for innovation**

**We will also be there in the future!**

Paving the way is our thing. Finding new paths and treading them with all the consequences they bring are the greatest challenges for pioneers.

As a family company, we deliberately face challenges head on, day after day and with all our strength. Three generations of our family have already worked in and on the company of the future.

We focus our efforts on the NEXT BIG THING as well as sustainable solutions for the future. In doing so, we are further expanding our pioneering role and technological leadership in the field of recycling plastics and also providing good prospects for future generations of specialists in the region.

“PURUS is also playing a formative role in the NEXT BIG THING for the recycling industry this time round.”



We are

# Recycling Pioneers



PURUS PLASTICS GmbH  
Am Blätterrangen 4  
D-95659 Arzberg, Germany

Tel: +49 (0)9233 7755 0  
info@purus-plastics.de

[purus-plastics.de](http://purus-plastics.de)