



Protect resources,
save disposal and transportation costs

NEXT STEP PU

Process polyurethane (rigid foam) by-products
instead of disposal

www.next-step-pu.com

Transforming instead of disposing

Do you use polyurethane rigid foam in your production? Are by-products from polyurethane rigid foam generated during your production process? Are your transport and disposal costs for by-products from polyurethane rigid foam high because the product is very bulky?

There is another way.



Save disposal and transportation costs!

Return by-products from polyurethane rigid foam generated in your production process back into the production cycle and save disposal and transportation costs.



Improve your life cycle assessment!

Make a lasting commitment to the environment and the protection of resources.
By-products from polyurethane rigid foam generated in your production process, may already be used tomorrow in the production of new products.



Obtain a certification for sustainability!

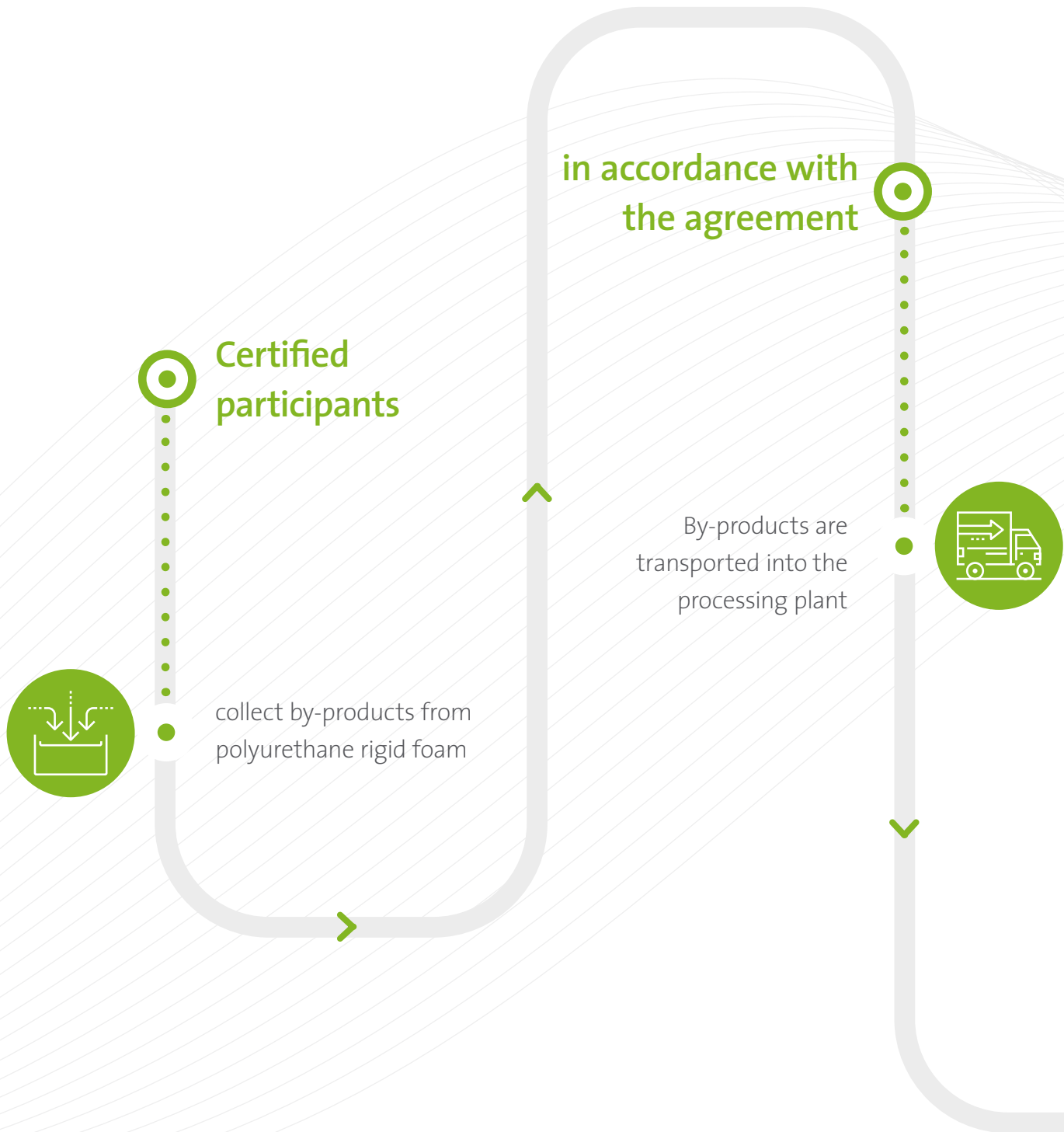
Demonstrate your company commitment to sustainability and protection of the environment. Companies participating in **NEXT STEP PU**, receive a certificate for their participation and may use it to their advantage for advertising purposes.

Transforming instead of disposing

Participate in **NEXT STEP PU**



How does NEXT STEP PU work?





New product lifecycle

The by-product becomes a part of the new product lifecycle

Processing by-products within a new production process

Producer



Reduction of waste disposal and transport costs



Certified commitment to sustainability and the environment

A concept of puren gmbh

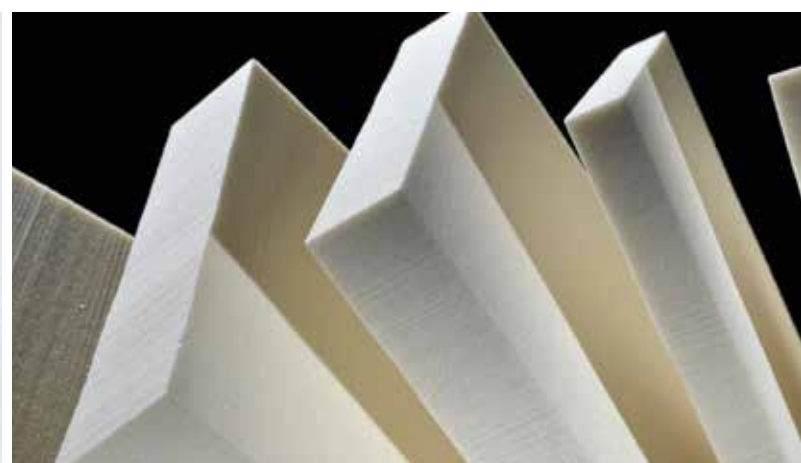
NEXT STEP PU

Agent of **NEXT STEP PU** is the puren company. The company is concretely committed to sustainability and environmental protection.

The sustainability concept of puren is based on three columns:

1

Create products saving more energy during their usable life cycle than was required for their manufacture,



NEXT STEP PU was created initially for the company's own use and was later extended to other producers choosing to supply their high quality by-products from polyurethane rigid foam to a new product lifecycle.

2 manufacture products in such a way, they can be returned into the recovered substance cycle,

3 production and manufacture within an energy-efficient environment, saving on resources.



NEXTSTEPPU



Requirements for participation

NEXT STEP PU



Commitment to sustainability and environmental protection

Companies participating in the **NEXT STEP PU**, contribute actively to sustainability, protection of our environment and preservation of resources. Your participation in NEXT STEP PU may be used to enhance your market presence.



Quality of by-products

The quality of the by-products from polyurethane rigid foam correspond to the contractual agreements for the participation in **NEXT STEP PU**. For the by-products the following quality requirements must be:

- Only polyurethane rigid foams are accepted, flexible foams can not be used in our process.
- PU rigid foams of all fire classes with different levels of densities and with various cover layers such as aluminum, fabric, or paper may be incorporated into the process.
- In case of foreign matter in the foam, such as glue, metal, wood, polystyrene, etc. individual analysis by our laboratory is required. The usability depends largely on the proportion of foreign substances.
- In general, the foams must be provided sorted and stem from a traceable origin.



Collection and transportation

For the transportation of polyurethane by-products various logistics solutions are available such as offcuts, flour, or briquettes.



Processing waste

Waste material sacks. Collection at the place of origin. Delivery or collection according to contractual agreements. Suitable for small pieces and smaller quantities. The only costs incurred are transport and packaging costs.



Plates wrapped with PE foil

Panel-like formats, wrapped with PE foil on a pallet. Delivery or collection according to contractual agreements (trucks, weighed by load). Only transport and packaging costs are incurred.



Production and processing by-products

Big Bags (also for higher weights). Compressed as briquettes or in loose form, such as chips, milling dust. Big-Bags on pallets are disposable packages and must be provided by the producer. Higher costs for packaging/transport and discharge. Suitable for medium-sized quantities.



Production by-products

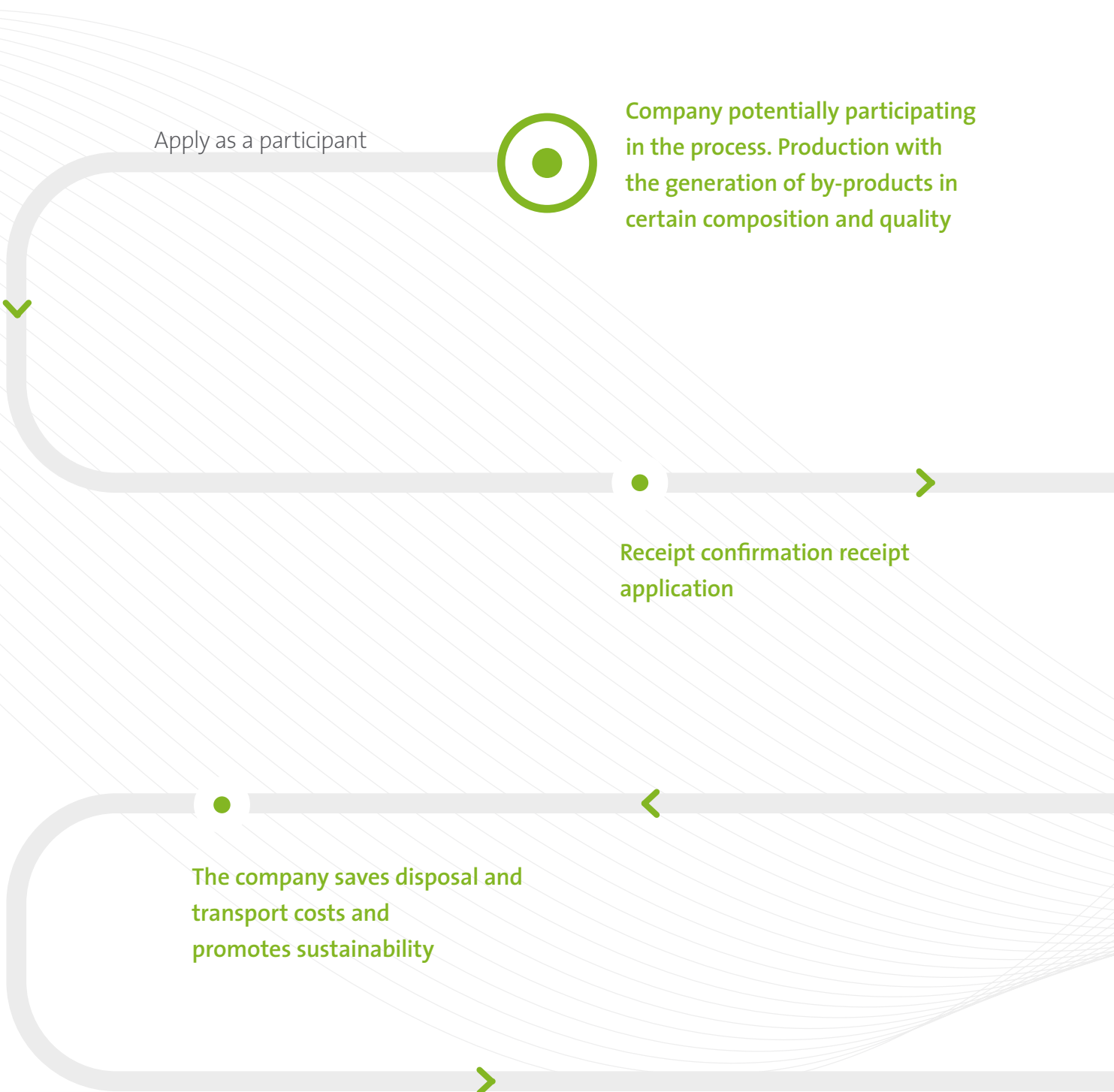
Roll-off container. Automatic compression and collection. A collection point for at least one container and a storage place for a switch container are required. Regular intervals, plannable, and contractually agreed. Coordinated logistics.



Contractual agreement

Participation in the **NEXT STEP PU** is contractually agreed upon. Please contact: verwertung@puren.com.

How does a company participate NEXT STEP PU





- ✓ Determination suitability material and quality
- ✓ Transport agreement

By-products of the company
will be supplied to the process

Receipt of contractual
confirmation to participate

Periodic analysis of
material, transport



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