



PNZ

Aus Liebe zum Holz
Because we love wood

PNZ-Produkte GmbH one of Europe's leading manufacturers for professional ecological wood care and protection products

Superior Quality

We developed individual treatments to match specialized requirements for the **protection**, **cleaning** and **maintenance** of different

- wood (from standard wood to exotic wood)
- fields of application (interior, exterior, garden, furniture, etc.)
- impacts and strains (weather, physical and chemical stress)

Ecology

All our products are **ecologically optimized**. That means solvent free, or if technically necessary for professional use solvent reduced and free of aromatics

Wood finishing

Our focus is on open poured wood finishing systems

- **wax**
- **oil**
- **varnish**
- **wood stain**

PNZ for every wood surface

Outdoor



For facades, balconies, fences, shutters and surfaces subjected to strong weathering

Garden



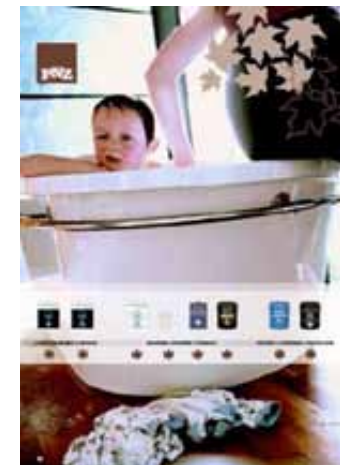
For garden furniture and verandas subjected to a wide range of weather conditions during the year

Furniture / Interior



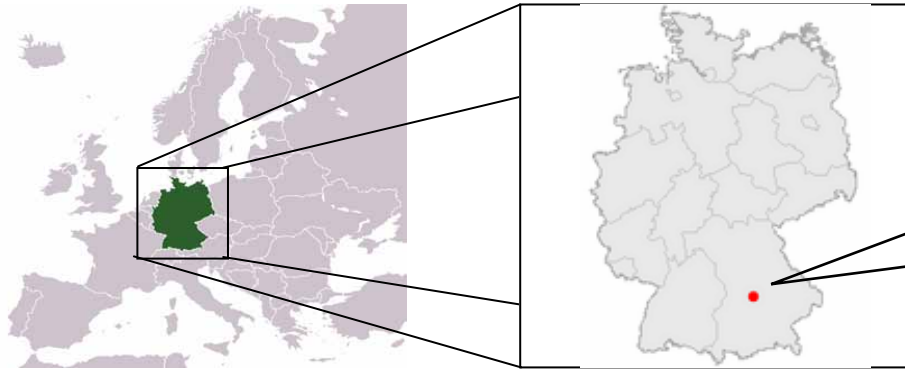
Furniture, work surfaces, antiques and valuable noble woods

Floor



Parquet, floor boards, cork and other floors under strong physical and chemical stress

PNZ: ecological wood protection from the hart of Bavaria, Germany



The PNZ-Produkte GmbH is located in the center of Bavaria in the nature protection area Altmühltal



The PNZ-Produkte GmbH manufactures in the picturesque Kipfenberg close to the historical local center



PNZ-Produkte GmbH supplies Do-it-yourself customers, industry and craftsmen

Turnover

- Within the product section of ecological wood finishing products the PNZ has a turnover of app. 8 mio. EURO p.a.
- The total turnover in the enterprise group is about 100 mio. EURO p.a.

Production volume

The PNZ-Produkte GmbH produces about 700 – 800 t p.a.

Employees

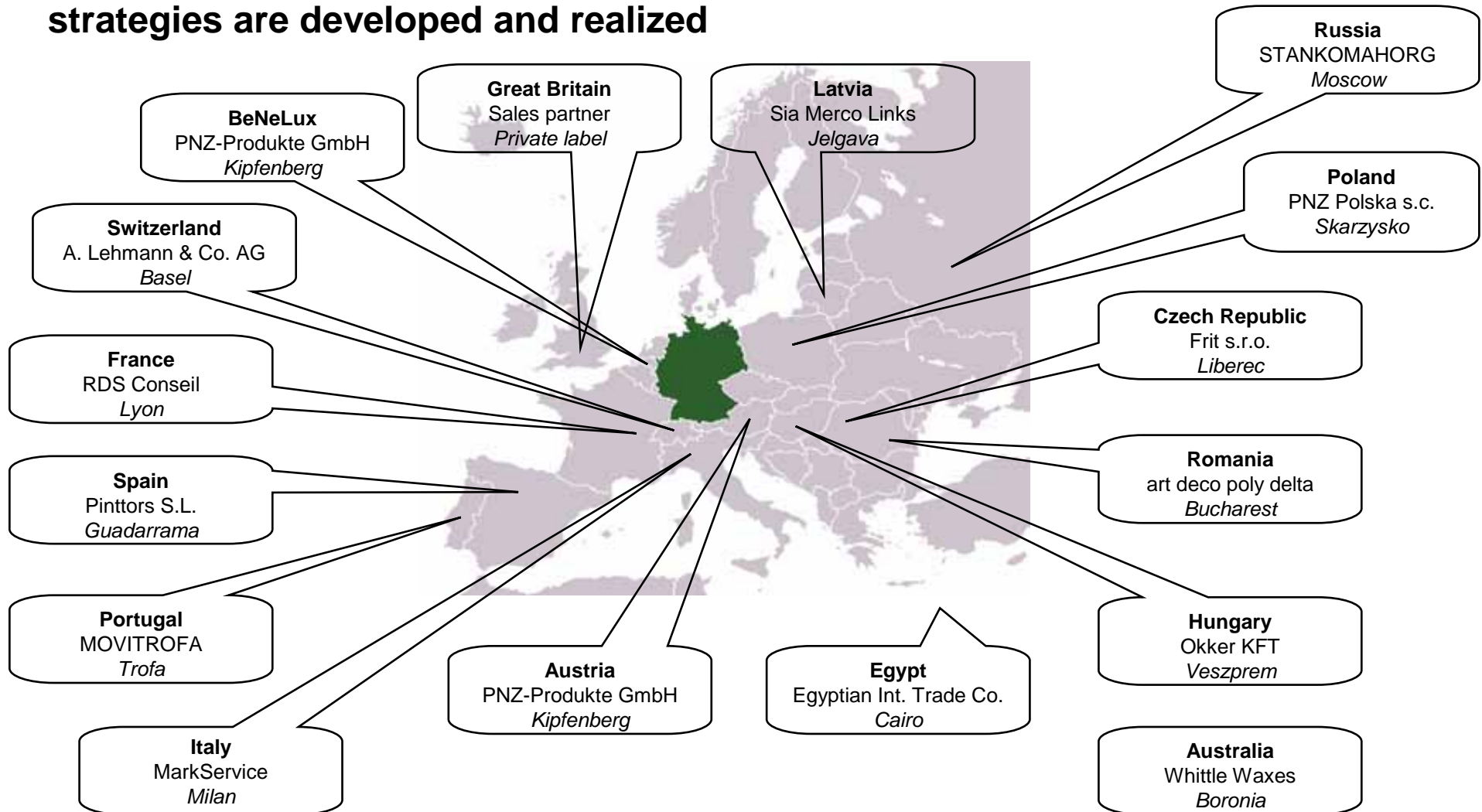
- The PNZ-Produkte GmbH has about 25 employees
- In Germany our sales representatives number 25

Customer structure

The PNZ-Produkte GmbH supplies for

- Retail chains for **DIY** (like OBI, TOOM/REWE, Hagebau/Zeus)
- Procurement associations for **handcrafts** like ZEG and Mega
- Customers from the wood working **industry**
- International customers receive PNZ products as „**Private Label**“ to complete their own product range

In co-operation with our international trade partners market-specific strategies are developed and realized





Our Philosophy: As harmless as possible for environment and humans during production, application and use

Raw material selection

The raw materials have to comply with highest requirements in biocompatibility with humans and environment during the entire use (production, application and use of the improved wood surface)

Raw material sources

The raw materials are produced from high-quality, renewable natural sources like bee and plant wax as well as different oils from controlled ecological cultivation

Raw material quality

Only high-quality, certified and supervised raw materials are used for the production of PNZ products



The PNZ-Produkte GmbH connects **tradition and progress** to obtain optimal results

Traditional formulation

- The basic formulations of the PNZ-Produkte GmbH originate from the 19th century

Continuous development

- Traditional formulations have been and are constantly optimised. Thus the products of the PNZ represent permanently state-of-the-art

Solvent free products

- The amount of solvent containing products decreases continuously
- For all applications, PNZ can offer a solvent free solution
- Long before the EU Deco Paint directive becomes effective, the products of the PNZ will fulfil the criteria

Nano-technology

- Thus as the most current example different nano-technologies have been integrated into products of PNZ

PNZ-Produkte GmbH is producing according to EU Eco-Audit Directive

System for environmental management and controlling

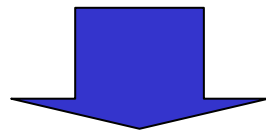
Goal: Benchmarking and improvement of environmental protection during production

Solvents: - Reducing the use of solvents

Energy: - Saving electricity and energy

Waste: - Avoiding waste by optimized processes and recycling

Raw Material: - Use of regrowing raw materials



Sustainability in products and production processes



PNZ is a certified CO₂-neutral producer

PNZ is certified as CO₂ neutral producer. The emission of greenhouse gases are compensated by participation in reforestation, projects for regenerative energy and promoting biodiversity.

Examples

Reforestation Equador



Biogas-Project Bangladesh



PNZ HOLZ-WACHS W has been awarded the **Eco-Label of the European Union**

PNZ HOLZ-WACHS W is decorated with the Eco-Label of the European Union for its particular eco-friendliness

Goal of the Eco-Label:

- Reducing solvent emissions
- Reducing waist during production
- No use of heavy metals
- High quality Products:
 - High resistance against abrasion
 - Good adhesion
 - Durability





Innovation and efficiency: The use of PNZ products makes itself paid in all respects

Open pored surfaces

Products based on oils and waxes lead to open-pored surfaces

- The wood can “breathe” and adapt to climatic conditions
- Improved room climate indoors
- Longer durability outdoors

Care and renovation

Products based on oils and waxes can be better maintained and after treated

- Damages or wear can be repaired partially
- No complete sanding before renovation necessary

Adhesion

Due to the finer molecular structure, products based on oils and waxes show a deeper penetration and better adhesion to the wood in opposite to conventional lacquers

- No wide flake off
- Durable and flexible

Effectiveness

The finishing of surfaces with products based on oil and waxes is more efficient than conventional lacquers

- Parquet treated with conventional lacquer: 3 processing steps with up to 400 g/sqm
- Parquet treated with PNZ High-Solid-Oil-Wax: 1-2 steps with each 12 – 20 g/sqm