

Environmental aspects

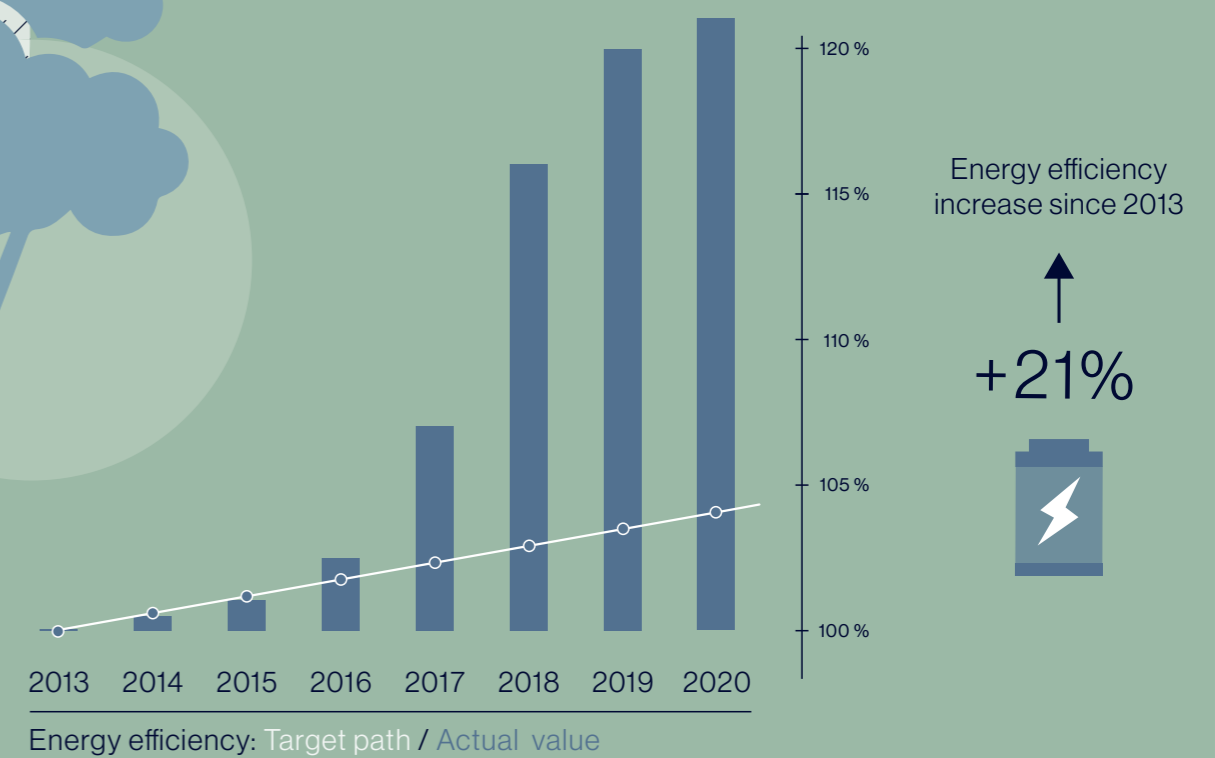
Swisspearl

What are we doing?

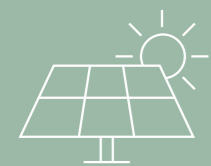
The environment and ecology have played an increasingly important role in our corporate activities for many years. Now it is the first time that we are presenting our measures and results officially. In 2013, the factory in Niederurnen, Switzerland signed a target agreement with the Federal Office for the Environment on CO₂ tax exemption in order to increase energy efficiency and reduce CO₂ emissions at the same time. The set targets therefore were developed in close cooperation with the Energy Agency for Industry (EnAW), an organization commissioned by the federal government. The defined targets for energy efficiency and CO₂ intensity are reviewed and reported annually. A major goal was the elimination of fossil fuels. Today, the Niederurnen site is fully connected to the district heating network of the cantonal waste incineration plant. In addition, thermal refurbishment of buildings and energy efficiency measures for lighting, motors, compressors and other drives are constantly being driven forward. The use of photovoltaic systems, on our buildings' roof, have influence the decline of using external energy resources.



Success record



Measures



Solar systems & renewable energies



Conversion to LED Lighting



Use efficient drives & motors



Energetic renovation



Elimination fossil fuels



Material recycling of fiber cement



Waste recycling



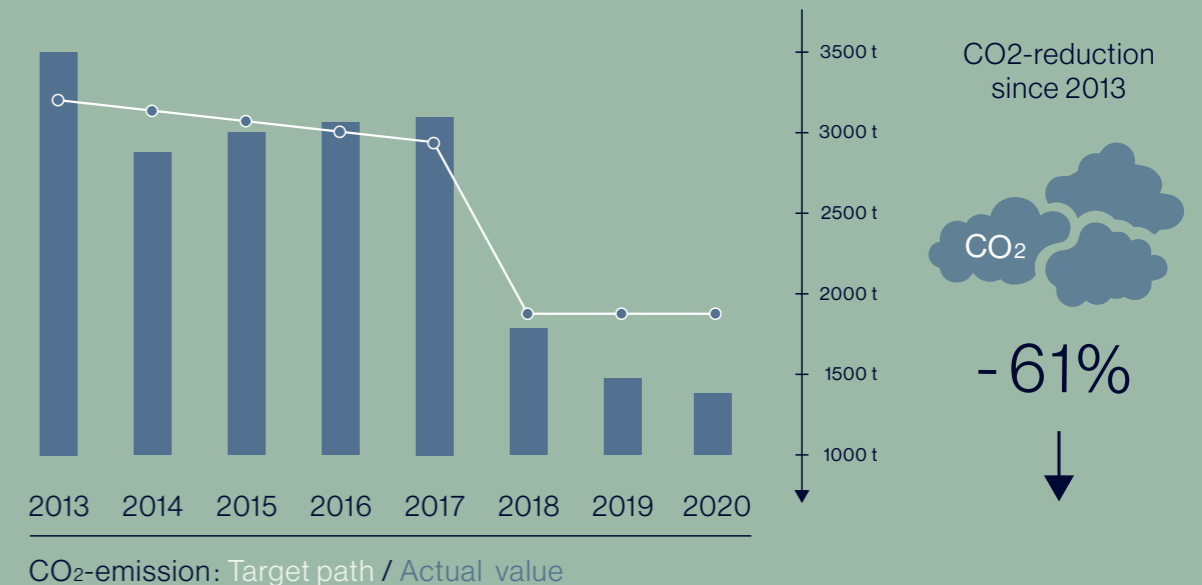
Use of regional raw materials



Rail freight transport



Connection to district heating network of KVA Linth



* Source: Management Summary 2020 / Business Energy Agency since 2017 Connection to district heating network / Elimination of fossil fuels

Production and regionality is important to us

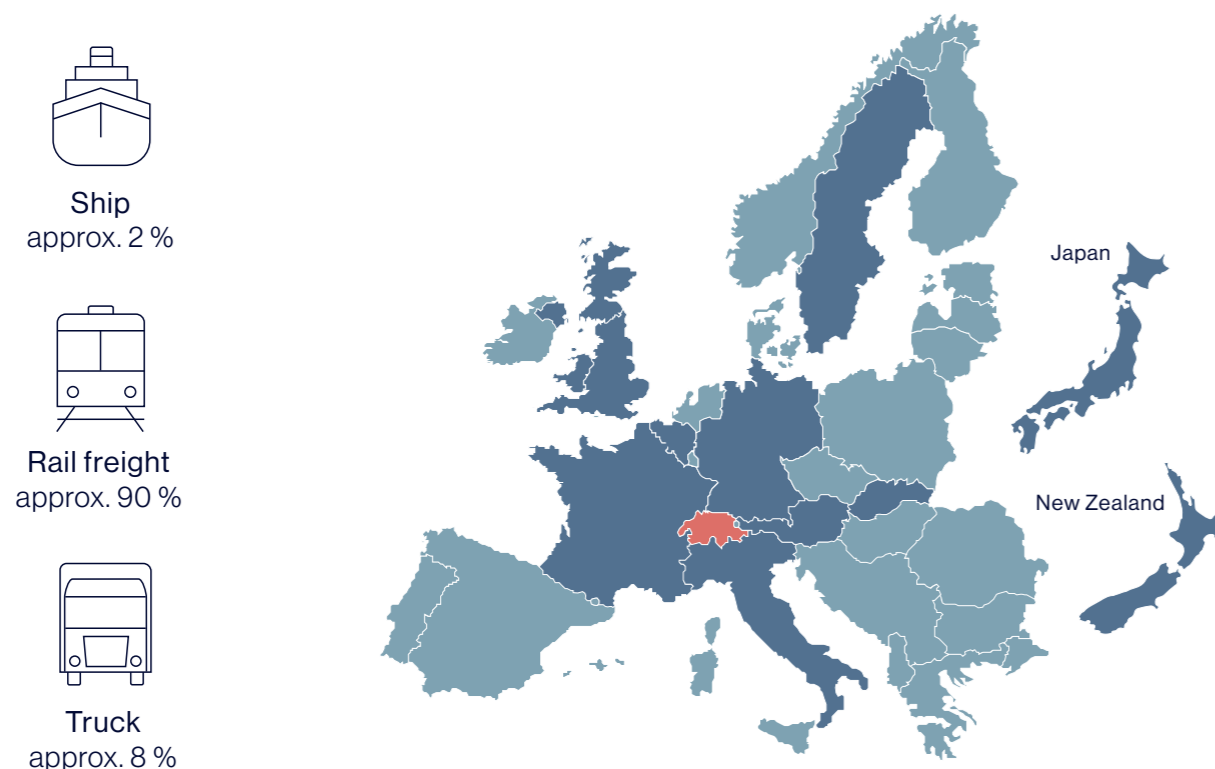
With high quality awareness and respect for nature, Swisspearl develops and sells innovative and sustainable products made from natural raw materials. The fiber cement products are manufactured in Niederurnen, Switzerland.

Production continues today according to the patented process. Today's formulation of the fiber cement material consists of a special mixture of cement, plastic fibers, pulp, water and pigments. Even though the production process has remained basically the same over the decades, it is constantly being optimized. Today, more than ever, adaptations concern ecological aspects. The major part of the raw materials, especially the cement, comes from Switzerland and is delivered by rail freight from the nearest cement plant. About one third of the products are also transported away again by rail freight.

Waste materials account for around 7.5% of the value of goods produced. Approximately ¾ of this material is recycled in the cement plant and added to new cement. Almost 100% of the excess water from the production process circulates in a closed water circuit and is recycled in the company's own wastewater treatment plant and returned directly to the production cycle.


Countries of origin of all raw materials

The majority of the raw materials required for production come from Europe, with approximately 84% of all raw materials originating in Switzerland. This saves raw material resources which enables a despendion of these resources and unnecessary transport routes.



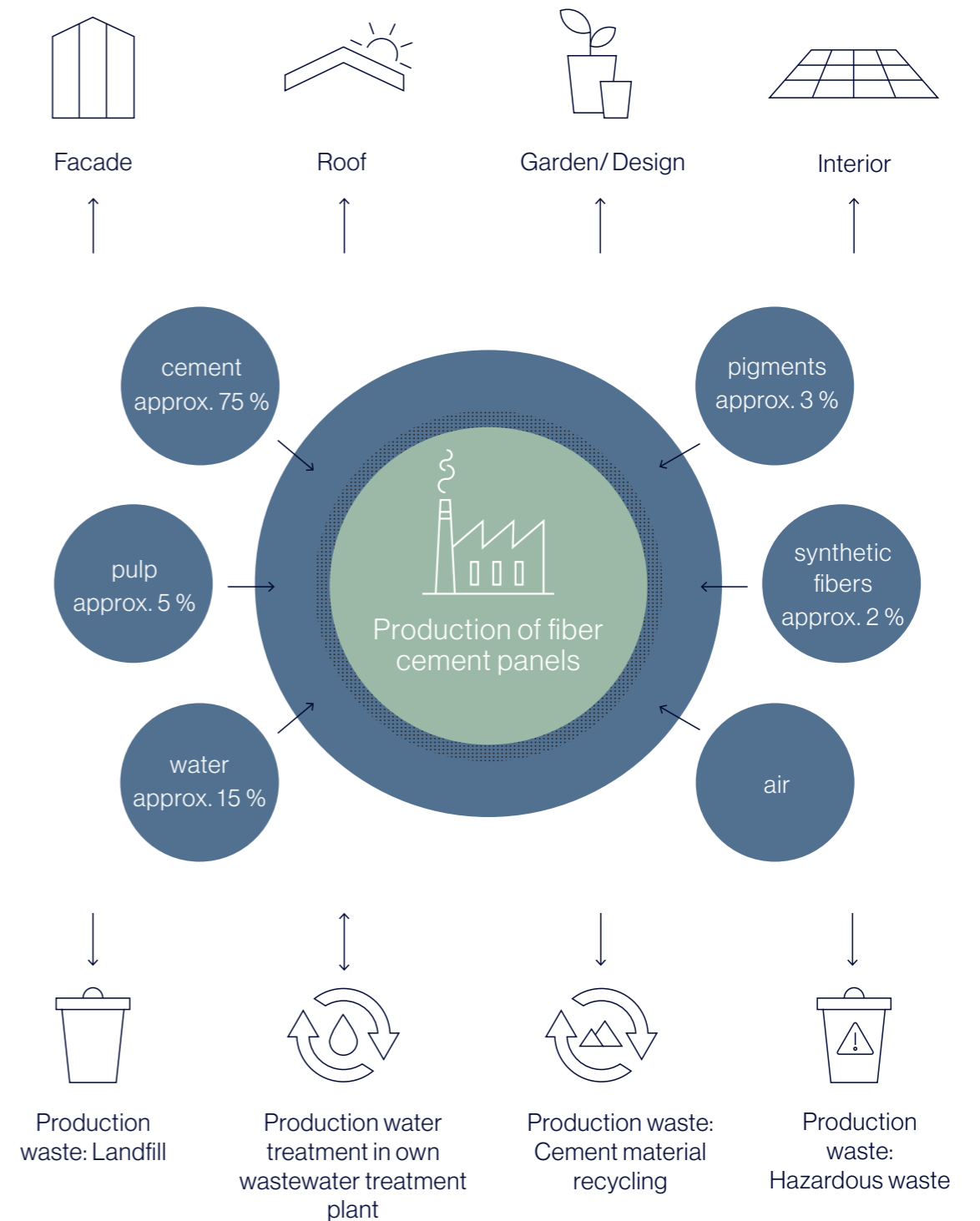

Ship
approx. 2 %


Rail freight
approx. 90 %


Truck
approx. 8 %

Means of transport to the plant

Production cycle semi-finished and finished products



* Source: Percentage guide values of the basic substances based on environmental declaration