



PRECIOSA LIGHTING

# Sustainability Report

2020

PRECIOSA

# About Preciosa Lighting

Preciosa Lighting elevates the heritage of Bohemian crystal through contemporary lighting designs. The company is built on centuries of tradition and the unique art of master glass makers from Crystal Valley. We honour this heritage and craftsmanship by creating innovative lighting products that stand the test of time.

SUSTAINABILITY REPORT

## At home in Crystal Valley

Crystal Valley, Bohemia is the home of Preciosa Lighting. Thanks to the region's natural wealth and especially due to local craftsmanship and talent, the area's glassmaking traditions have remained unspoiled for centuries. Today Crystal Valley is still the most important region in the world for the production of crystal chandeliers.



SUSTAINABILITY REPORT

# Sustainability Report

This Sustainability Report will introduce you to Preciosa's commitment to the environment, our team members and our region. It shares how we connect our social values with our daily work; creating innovative lighting through tradition and technology.

## SUSTAINABILITY REPORT

# Glass is in our DNA

Our mission is to create original lighting designs made of Bohemian crystal that inspire and connect people worldwide.

### **This is reflected in our company values:**

- Meaningfulness
- Trust
- Pride
- Innovative thinking
- Reliability
- Openness

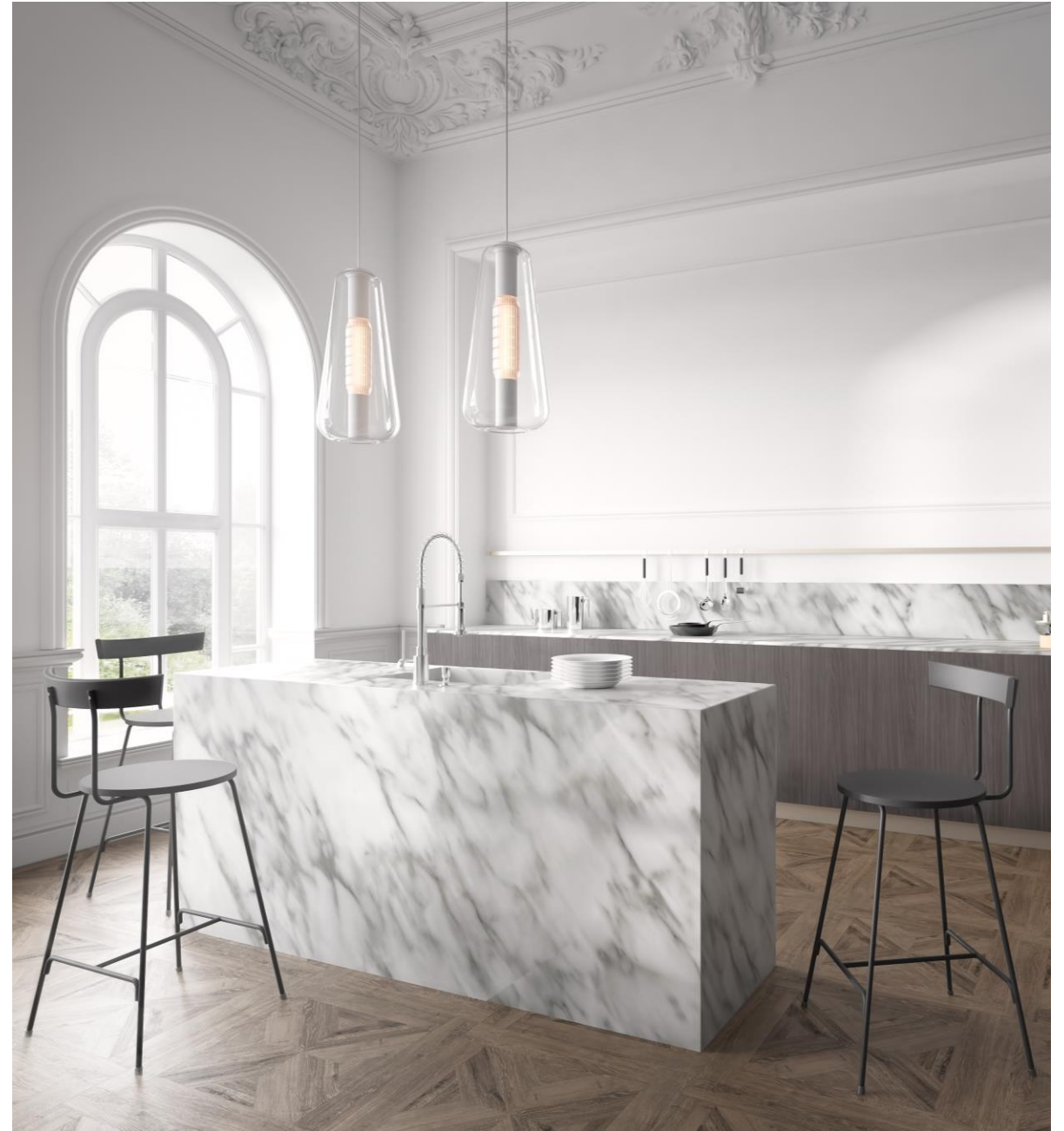


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## SUSTAINABILITY REPORT

# Designed to Last

- Design trends come and go, but the quality and style of a Preciosa light endures.
- We design innovative lighting products that stand the test of time.
- A Preciosa light is created to be admired and shared over generations, connecting people through time with light.



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## SUSTAINABILITY REPORT

# Technology & Tradition

Creating exclusive designs is Preciosa's speciality. Our history has given us the foundation to design remarkable lights for any interior.

### **Our in-house R&D team ensures these lights:**

- Create an impact
- Make a statement
- Remain significant as interior styles evolve

Our team constantly strives to get the most emotion out of glass. This drives them to pursue new ways of creating dynamic, kinetic, and interactive lighting making Preciosa a leader in lighting trends.



## SUSTAINABILITY REPORT

# Prasklo

In 2020, Preciosa Lighting began a collaboration with Czech design brand Prasklo. Owner and designer Petra Svejdarova creates vases and other design objects from used glass and concrete. She visits Preciosa's factory to collect extra glass pieces to create her one-of-a-kind items. We are pleased to have the opportunity to reuse our glass in such a remarkable way.



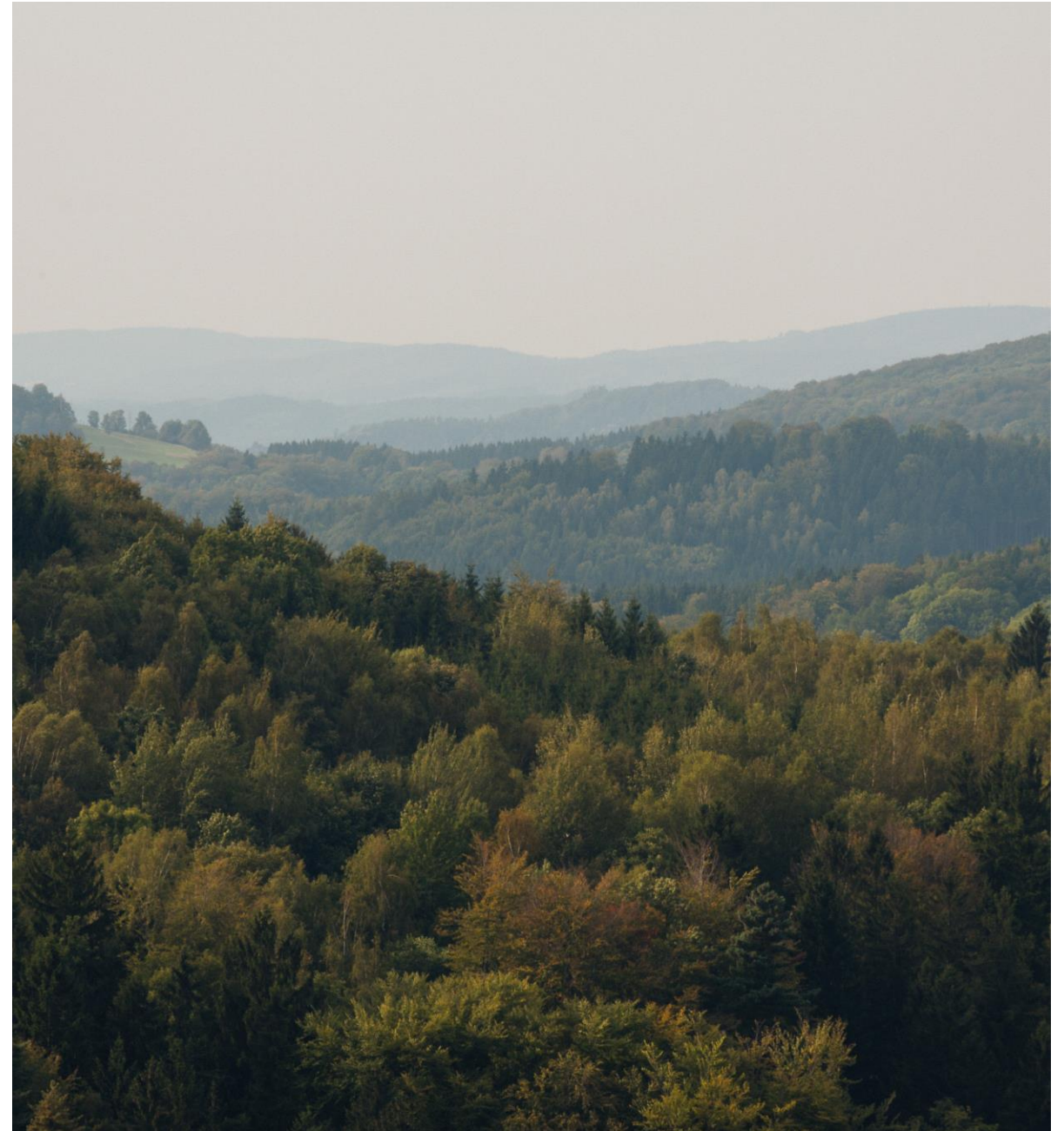


## SUSTAINABILITY REPORT

# Responsibility to our Region

Preciosa strictly adheres to a comprehensive program of environmentally responsible business practices and manufacturing procedures that comply with all major EU standards and legislation.

Our technologies are regularly submitted for voluntary audit by accredited laboratories and organizations to ensure appropriate compliance levels and guarantee safe working conditions for our employees worldwide.



SUSTAINABILITY REPORT

# Responsibility to our People

Preciosa Lighting is a strong, active employer, both in the Czech Republic and abroad.

- There are currently 500 employees in the Czech Republic, 65 in foreign offices
- 52% male | 48% female
- Average length of employment: 16.5 years
- 349 educational events for employees organized in 2018



# Ecological and Workplace Standards

Preciosa fulfills all of the following major EU requirements regarding usage and management of water, air, waste and chemicals:

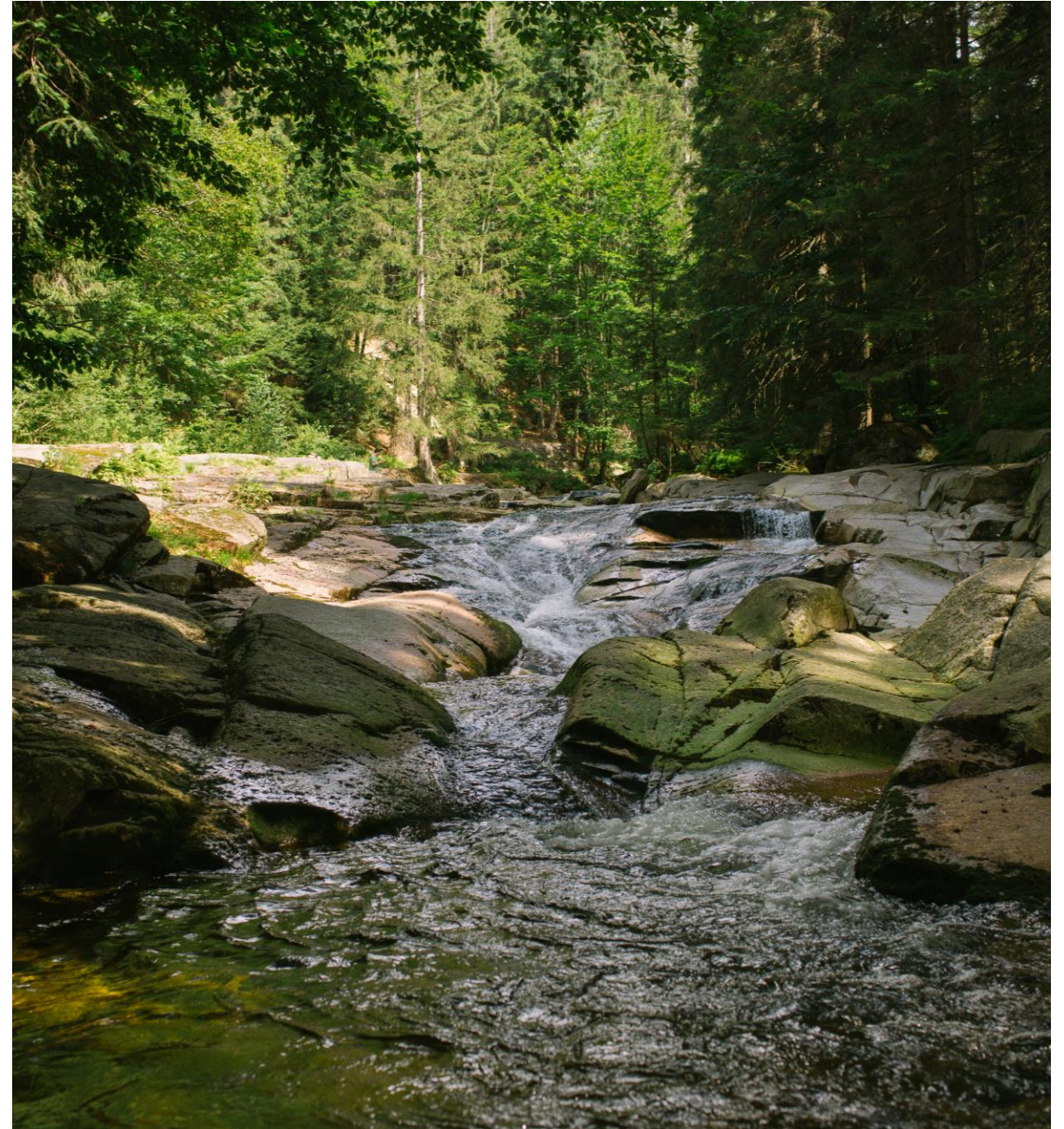
- Chemical Responsibility Standards (REACH, CLP, RoHS)
- Environmental Standards (ISO 14001)
- Quality Standards (ISO 9001)
- Corporate Social Responsibility Standards (IQNet SR 10)
- Safety and Health Protection Standards (QHSAS 18001)



# Water Conservation

Preciosa adheres to strict emission limits of pollutants set for water discharged into watercourses and sewage systems.

- 100% of the water used in our production process is cleaned.
- More than 70% of the water is purified, recycled and used again for the same purpose.
- Preciosa has achieved a 50% reduction of water consumption over the last 10 years.



## The work continues

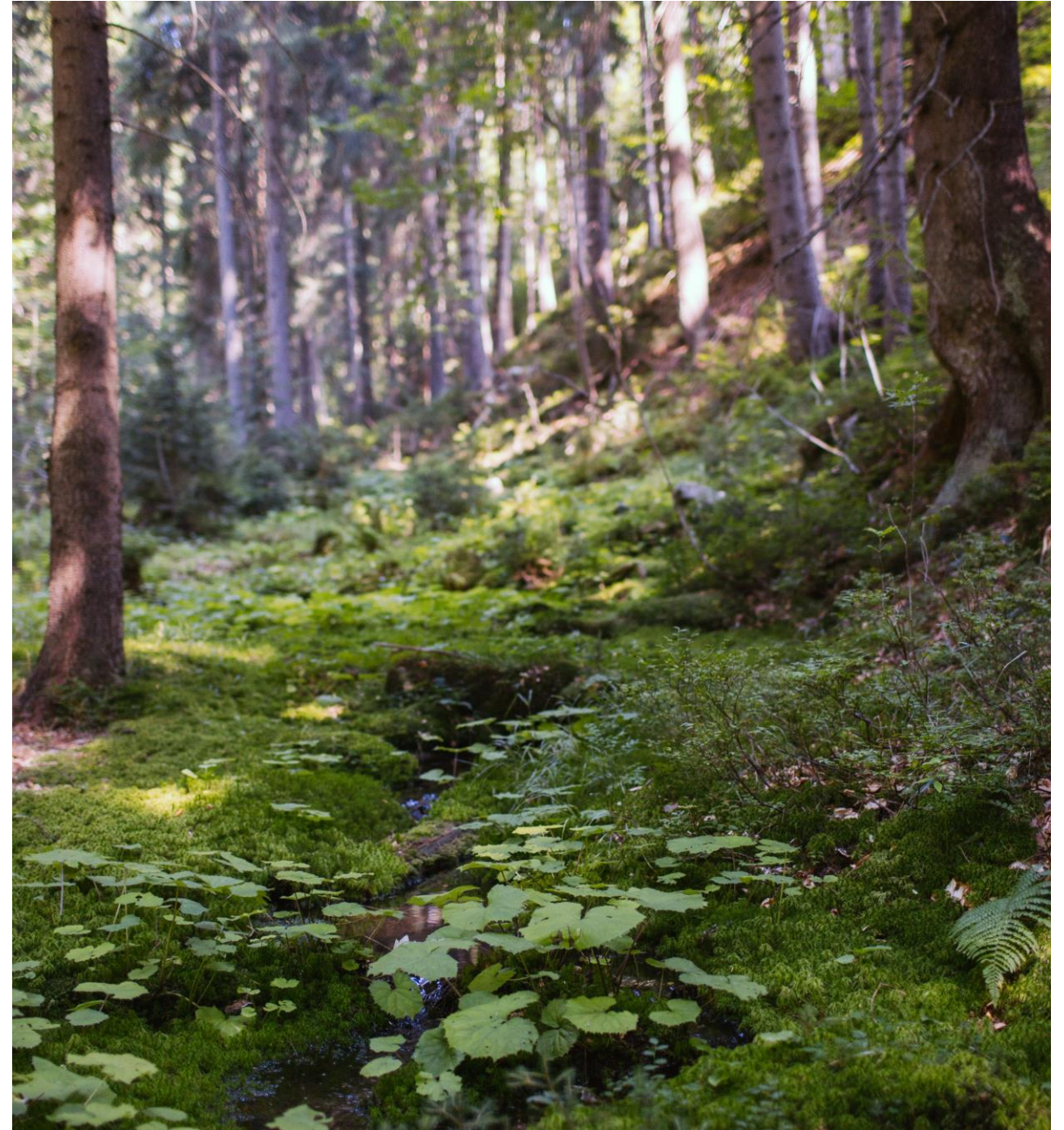
THE PRECIOSA GROUP HAS UNDERTAKEN A PROJECT TO PROTECT  
OUR WATER SOURCES AND REDUCE CONSUMPTION BY:

- Increasing the proportion of re-circulated water
- Trapping, preserving and using rainwater
- Replacing tap water, underground and surface water with water from our own wastewater treatment plant
- Developing new and utilizing existing water reservoirs, thereby positively affecting the microclimate and ecosystem
- Implementing protection zones that prohibit building or construction within the given area

## SUSTAINABILITY REPORT

# Effluents and Waste

We strive to reduce the amount of waste we generate by recycling or re-using waste whenever possible and consistently meet or exceed regulatory standards governing the amount of discharge of effluents allowed back into the water system.



# Waste Management

From our factories to our offices, Preciosa strives to reduce waste through the following initiatives:

- Production (glass) waste is recycled to become new, usable material.
- Recycling bins are required in every manufacturing plant, office and common space.
- Waste from our employee canteens is transferred to a biogas plant for energy production.
- Drinkable tap water is available in all manufacturing plants and office buildings, as well as Soda Streams and water barrels to reduce disposable plastic bottles.

**In the past decade, Preciosa has decreased our waste production by 40%.**



SUSTAINABILITY REPORT

# The Work Continues

AS A MEMBER OF THE EU WE ACTIVELY STRIVE TO REDUCE  
OUR PRODUCTION OF GREENHOUSE GASES.

Offer a 100% lead and  
cadmium-free product  
portfolio

Further invest into low  
emission burners and  
technology such as  
catalytic combustion  
units, separators and  
air filtration devices to  
reduce emissions from  
production

Improve quality  
control of drained  
water and effulgence  
through our own  
wastewater treatment  
plant



## SUSTAINABILITY REPORT

# Emissions Standards

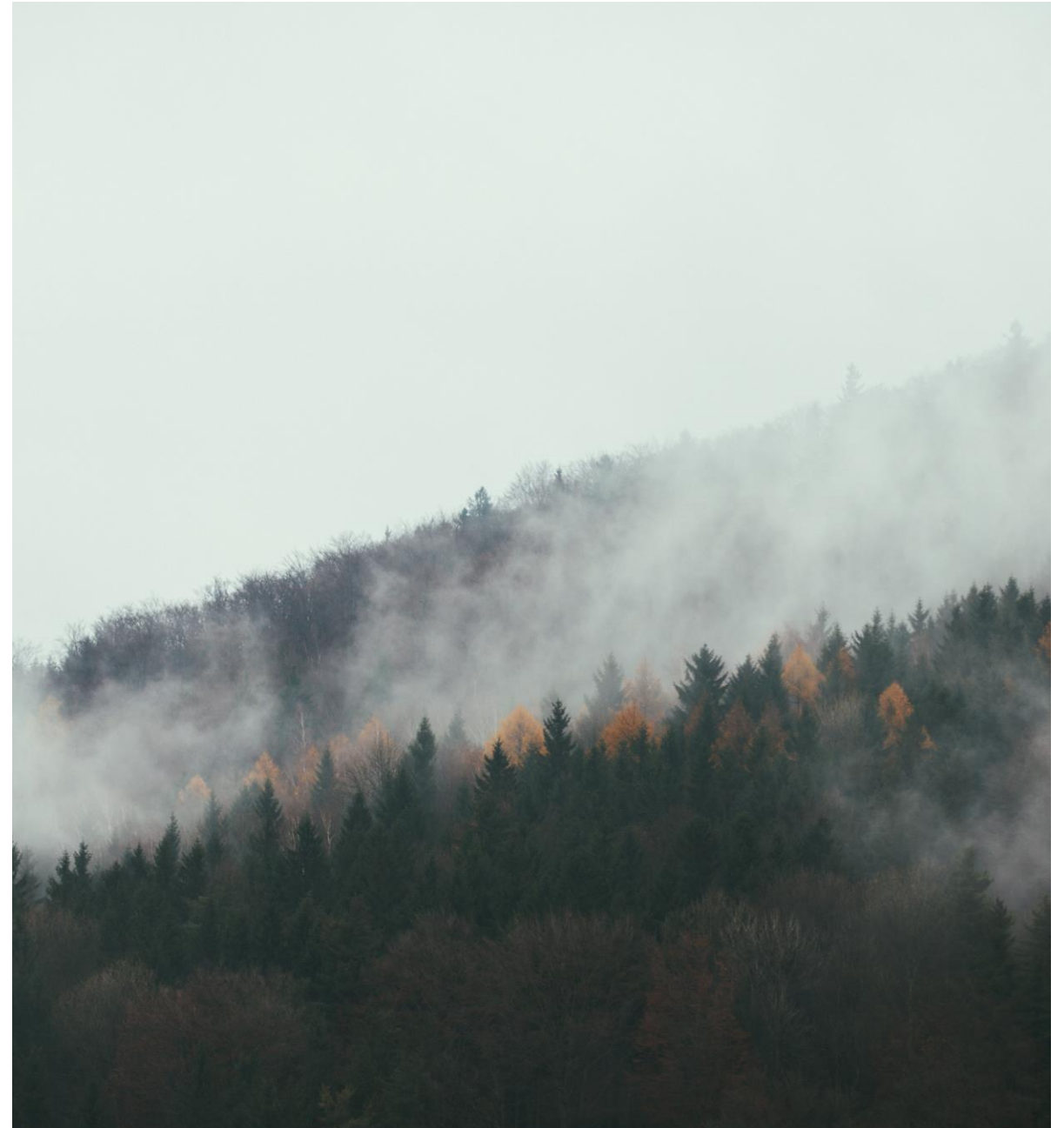
As a member of the EU we actively strive to reduce our production of greenhouse gases.

Preciosa follows the standard regulation of the European Parliament and EU Council No. 517/2014, which concerns fluorinated greenhouse gases. We submit to regular audits and our CO2 emissions are regulated by the Regional Office and law No. 406/2000 Coll. on energy management.

### **Recuperation and cogenerations units:**

Preciosa recovers heat from furnaces and compressors. This heat is re-used for general heating and heating the water in our factories.

**The installation of the cogeneration unit resulted in a 90% more efficient use of resources.**



## Facts & Figures

We upgraded the elements in our gas boiler room which reduced CO2 production by 20%

Implementation of building heating regulations saw a 30% reduction in heating costs

Replacing windows with more energy efficient ones reduced heating costs by 15%

Replacing all bulbs with LED lighting throughout the factory (including administration) resulted in a 50% cost savings

## Did You Know?

- Our continuous investment in new technologies regularly pays off. For example:
  - A new glass polisher resulted in a 65% reduction in raw materials and 90% reduction in waste production
  - New laser technology which replaced Co2 with Fiber is three times more efficient and reduced operating costs by 50%
- Our shipping boxes are made from recycled paper.
- As part of our environmental cooperation with the town of Kamenicky Senov, we share our water and heating supply with the immediate neighbourhood surrounding our glass works.
- More than 80% of our suppliers are Czech-based.
- We replaced former sludge fields throughout the Northern Bohemia region with ponds.
- Our Preciosa Foundation facilitates tree-planting in the Jizera Mountains. We provide about 400,000 CZK annually to local environmental organizations in support of their tree-planting activities.

# The Preciosa Group

Preciosa Lighting is part of the Preciosa Group, one of the world's leading companies in the field of high-precision cut crystal components. The highest standards of craftsmanship, unique technical know-how and the distinctiveness of its designs have today guaranteed Preciosa a place among the world's leading producers of top-quality cut crystal.

# The Preciosa Foundation

The Preciosa Foundation focuses its efforts in the key areas of health and prevention; the environment; arts and culture; exercise and sport; research and development; education and social and humanitarian aid. While much of the Foundation's work is centred on the region where Preciosa operates, the organization is involved in programs on a national level too. It is one of the ten largest corporate foundations in the country. The Foundation is pleased to distribute more than 10 million CZK (440,000 USD) in support of good deeds annually.

SUSTAINABILITY REPORT

# Contacts

FOR MORE INFORMATION

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