

Environment report 2022

Lonstroff AG Merenschwand and Hallwil



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1. Introduction of Lonstroff



Headquater

Production site Merenschwand

Switzerland

8'000 m² / 140 employees

Production site Logatec

Slovenia

30'000 m² / 85 employees

Production site Hallwil

Switzerland

4'000 m² / 15 employees



Producing medical rubber parts and laminates

2. Preamble



Daniele Cosetti, Head of Safety and Environment

As a Swiss industrial company and as a member of SRI, we take responsibility for finding answers to the most pressing challenges of our time. Sustainable entrepreneurship and profitable growth do not exclude each other. They depend on each other.

That is why we have anchored sustainability as an integral part of our corporate strategy and set ourselves ambitious goals. We are committed to the sustainability goals of the United Nations. These include, for example, “Good Health and well-being” or “Responsible consumption and production”. By 2030 we want to halve our emissions and by 2050 at the latest we want to be climate-neutral. As you read this report, you will find that we, as a sustainable company, have made quite a difference over the past few years. For the future we want to harmonize ecological, social and business aspects – for ourselves as company, for our stakeholders and for society as a whole.

3. Management summary

The most of the defined environmental goals in 2021 were achieved.

The energy consumption of the laminates could be reduced compared to the previous year. Replacing the leaking components in the steam lines and the good order situation and the optimal use of the machines in relation to the production volume had a positive effect.

The energy consumption (water, electricity) in Merenschwand was higher than the previous year and target. The reason is on the one hand the not yet fully utilized new clean room (ISO 7) and on the other hand on a lower production volume. Compared to the previous year, we produced 14% less compounds and 22% less parts.

The surveillance audit of ISO 14001/2015 could be carried out successfully.

Production in Slovenia could be further increased. The HVP (high value products) project could be advanced and transferred to Japan.

We had no claims from authorities and neighbors.

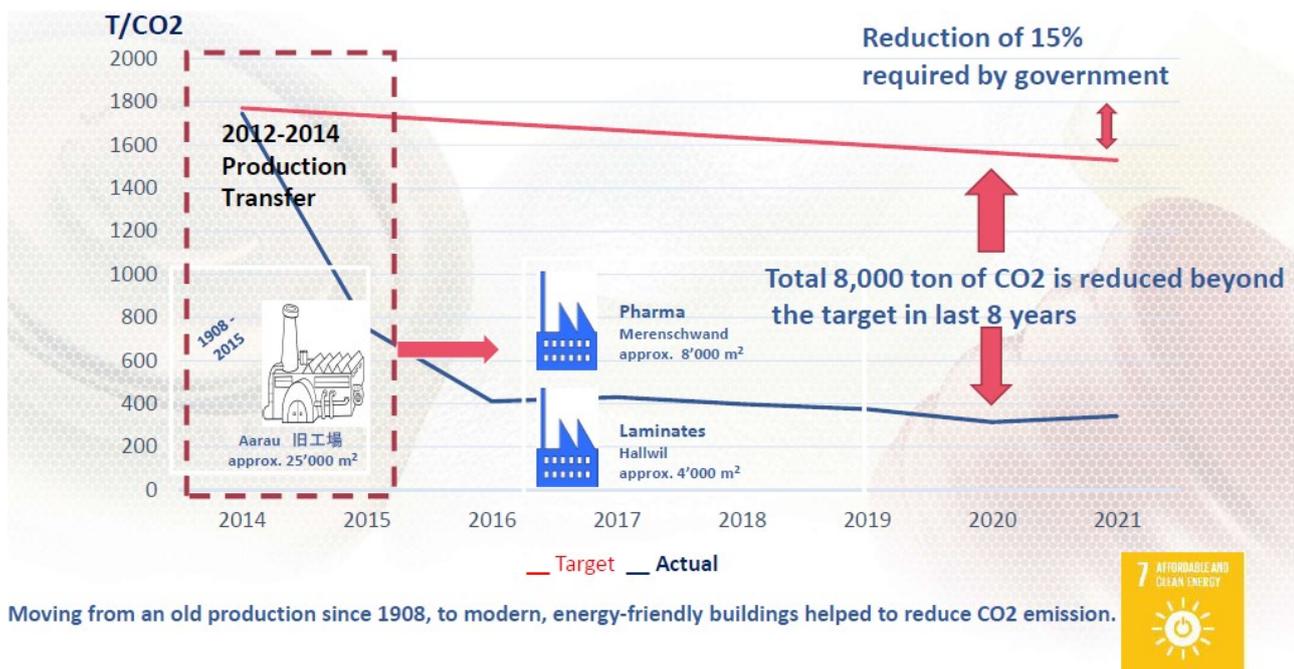
4. Evaluation of the environment goals during 2021

As you can see from the table below, most of the goals have been achieved.

Topic	Unit	Goal	Result	Activities	
Water consumption per tone produced in pharma	[m ³ /T]	< 24.0 (99%)	☹️	Consistent use of the sanitizing tank for the pre-wash system	12 RESPONSIBLE CONSUMPTION AND PRODUCTION
Mixing energy	[kWh/T]	< 457 (99%)	😊	Adjustment of operating time of the mixer to the production volume	7 AFFORDABLE AND CLEAN ENERGY
Energy for pharmaceutical (Merenschwand factory)	[kWh/T]	< 7'000 (98%)	☹️	22% less parts were produced than in the previous year. Additional clean room was installed (ISO 7)	7 AFFORDABLE AND CLEAN ENERGY
Energy for laminates (Hallwil factory)	[kWh/T]	< 7.2 (98%)	😊	Replace certain steam components that had a leak. Annual system checks	7 AFFORDABLE AND CLEAN ENERGY
VOC	[Kg/100m]	< 5.2 (99%)	😊	Optimization and adaptation of the grammage of the coating solution	3 GOOD HEALTH AND WELL-BEING
CO2 reduction	T	35	😊	Savings in heating oil and gas consumption	3 GOOD HEALTH AND WELL-BEING
Authorities and neighbourhood	Number	0	😊	Regular patrols by safety and environmental team. Update legal requirements, conduct necessary activities	11 AFFORDABLE AND CLEAN ENERGY
Sensitization of employees in environmental issues	All staff	30.11.2021	😊	Training course on environmentally responsible behavior	12 RESPONSIBLE CONSUMPTION AND PRODUCTION

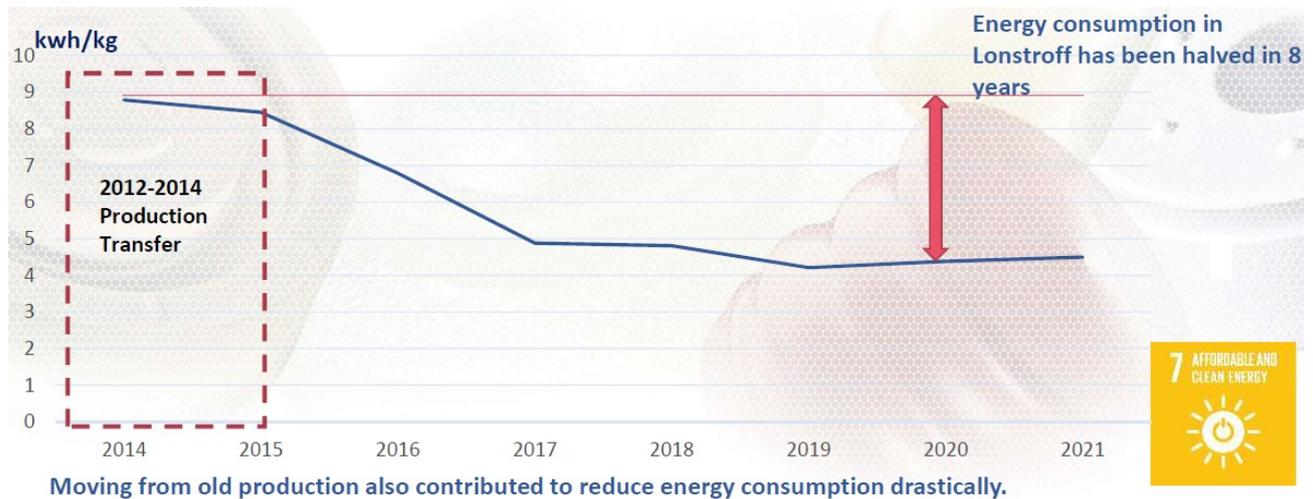
5. CO2 Reduction

Despite the increasing volume of compound production, we have succeeded in reducing CO2 emissions in the last eight years. As a result, we were able to significantly undercut the targets agreed with the authorities (BAFU).



6. Energy consumption

Moving from Aarau to Merenschwand and Hallwil and many small improvements has contributed to the fact that we consume massively less electricity. The picture below shows the energy consumption in Kwh per kg.



7. Environment activities in 2021

7.1 Audits

Several external Audits were performed with respect to the environment. These audits were done through authorities or other external organisations:

- Hazardous goods audit through Neosys.
- ISO 14001 surveillance audit through SQS in Merenschwand, Hallwil and Logatec LSI.

On all of these audits Lonstroff did not get a major deviation. The activities to be done are summarized in each single report.

The legally required internal controls were also done by the Environmental-Team.

7.2 Social contribution in the region

Angelo Ciccone is since many years President of the Colonia Libera Italiana (CLI) in Huzenschwil, a village between Aarau and Lenzburg.



The purposes of the CLI are:

- Protect the general interests of the workers emigrated to Switzerland.
- Coordinate the welfare, cultural and recreational activities of the CLI and federated associations,
- Promote and encourage initiatives for effective and loyal collaboration between CLI and federated associations, the Italian authorities, the Swiss authorities and the people.

The members of the CLI meet regularly in the clubhouse to play cards, discuss and watch football games together. They take an active part in community life by cooking and offering Italian specialties at events or by taking part in pageants.

7.3 Improvements

- Additional filters were installed in the pre-wash system and in the drains so that no parts flow into the sewage system.
- We were able to optimize the solution consumption for the laminates by implementing and realizing the action plan with the BAFU.
- In the Merenschwand plant, alarm horns and manual alarm buttons were added so that the alarm is fully guaranteed in the case of an incident.



7.4 Other activities

- The legal requirements for 2021 have been updated, were checked for their fulfilment and were carried out the necessary activities, such as inspection or tests.
- The targets agreed with the BAFU regarding the reduction of CO2 emissions were achieved. We were able to sell certificates for CHF 100'000.
- Regular patrols by the safety and environmental manager and the UAS-Team has been done.
- The VOC and CO2 balance was timely submitted to the authorities. The refund was granted.
- A training of all employees in environmental issues and fire protection has been done.
- In August and September, evacuation drills were carried out with all employees in Merenschwand and Hallwil.



8. Case of emergency

No environmental relevant emergency occurred in 2021.