

Itingen, 02 August 2023

## Sustainability of our batteries

The issue of sustainability is a prevalent concern, and we at Renata SA are fully committed to it, exemplified not only through our use of 100% electricity sourced from Swiss hydroelectric power plants.

Following our successful ISO 14001 certification and securing the silver medal in the EcoVadis rating, in the future we also aim to demonstrate the credibility of our products by showcasing a reliable  $CO_2$ -footprint.

As a first step, a life cycle assessment was developed in collaboration with the Swatch Group, determining the environmental impact of the production of our silver oxide batteries.

Around 90% of the total  $CO_2$  emissions are caused by the extraction of the precious metal silver. The greatest potential for reduction therefore lies in an efficient method for recycling silver, as well as the earliest possible availability in our manufacturing process, which is supported by hydropower. A substitution of the precious energy carrier is not technically possible for our markets and customer requirements according to the current state of the art. Renata operates a system for the collection of silver oxide batteries in the Swiss market, as well as an efficient collection of our internal production waste.

In the early days, 100% of the silver was extracted from mines, as recycling was simply not economical for a long time. With increasing resource consumption and rising environmental concerns in our society, the focus is increasingly on recycling. Globally, an average recycling rate of 17.5%\* is already assumed for industrial silver supplied today. Despite our own recycling plant, today we still purchase recycled silver from an external partner. Unfortunately, this results in further  $CO_2$  emissions in the area of transport, as well as in the provision for the energy-intensive recycling process.

In the foreseeable future, we also want to recycle this amount internally and with 100% hydroelectric power from Switzerland. This allows us to increase the recycled rate up to nearly 30%.

Of course, we will also have a life cycle assessment carried out for our lithium batteries and thus be able to report comprehensively on our products.

\*(Source: World Silver Survey 2022, The Silver Institute/Metals Focus)