



RETROFIT OF TICKET MACHINES FOR CASHLESS PAYMENT TRANSACTIONS

The Montreux Oberland Bernois Railway AG (MOB) and Transports Montreux-Vevey-Riviera SA (MVR) are transport companies that operate the railway lines between Montreux and Lenk as well as the railways and funiculars in the Montreux and Vevey regions. There are 26 ticket machines in operation along the rail network. To prepare these machines for the future, they were modernized and converted to purely cashless payment transactions.

Integration into existing machines

In this project, the components to be replaced, such as the payment terminal and printer, were evaluated in advance by another service provider. Afterwards, konplan was commissioned to develop and implement the mechanical components for retrofitting the ticket machines. The goal was to find a quick, cost-effective, high-quality solution for rapid integration into the existing machines. This involved finding solutions, design, procurement, delivery, and lastly the mechanical retrofit at the respective machine locations.

Massive reduction in maintenance costs

Thanks to the optimal solution and excellent preparation, the machines were retrofitted on site and returned to operation within a few hours. With the conversion to purely cashless payments, the maintenance costs for MOB and MVR have been massively reduced. Also, the machine front has been designed for better clarity and makes operating the machines more user-friendly for customers.

Result

- After a short retrofit, existing machines can continue to be used
- Reduced maintenance thanks to cashless payment
- Organized machine front enables simplified operation

Methodology & Technologies

- SolidWorks
- Sheet metal part construction
- Retrofit

Scope of Services

- Current situation analysis
- Conception and construction
- Procurement
- On-site retrofit



4 months



2 employees – konplan



Conception, development, production

Customer

MOB
COMPAGNIE DU CHEMIN DE FER
MONTREUX OBERLAND BERNOIS

