

# High up with Jungfrau Railways

Reference report on an integrated communication platform



Photo: Jungfrau Railways Group

onway responded to our requirements right from the start and implemented the perfect solution for us. We have found onway to be a partner who assimilates a public transport company's particular requirements and delivers stable, high-availability solutions.

**Urs Siegenthaler**  
Head of IT, Jungfrau Railways

## Initial position

In the course of procuring new rolling stock, Jungfrau Railways was looking for a flexible communication platform that would meet the following requirements:

- Ensuring communication between all in-train systems and the outside world
- Possibility of establishing an IP network connection for customer information systems (CIS)
- Camera connection in curved stations
- WLAN connection at depots
- Central, simplified management and configuration of vehicle routers

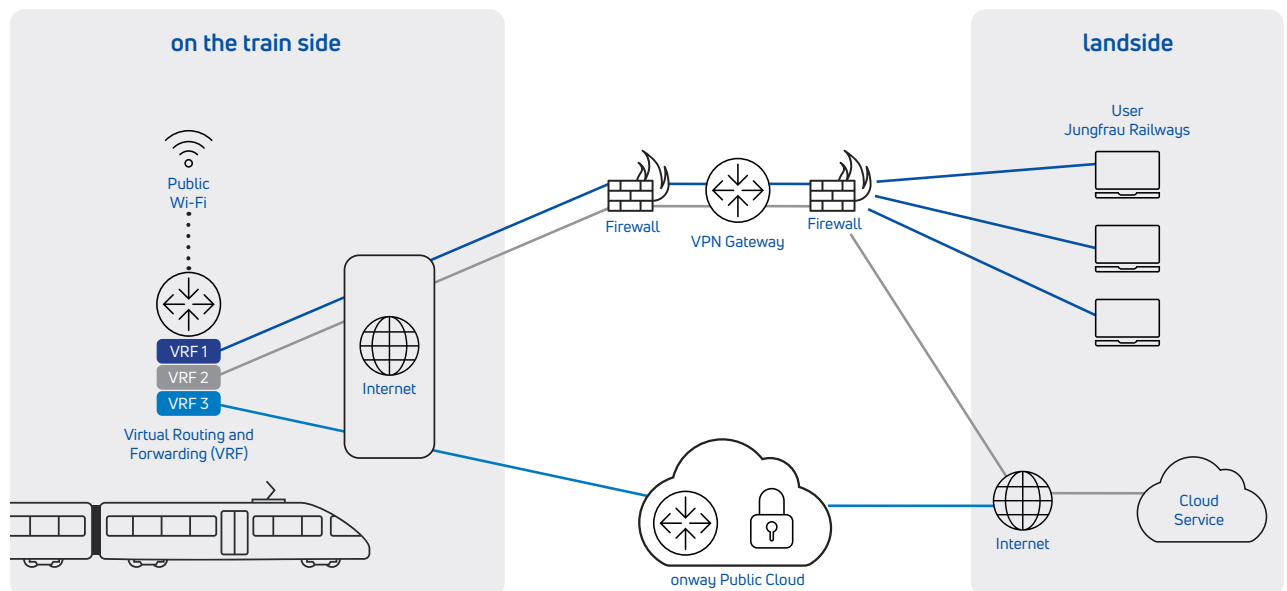
## Decision

This is why Jungfrau Railways opted for a solution from onway:

- Secure connection from CIS Mobile to CIS Stationary through an IP tunnel
- Camera images recorded at stations sent directly to train drivers
- Low administration effort for vehicle communication devices thanks to a universal router
- Rapid transmission of high data volumes for the infotainment system
- Highly available back-end system
- Optional installation of passenger WLAN without much effort
- High-performance communication thanks to dual provider uplink

## Solution

Using the fleet management onway director, Jungfrau Railways can easily manage all mobile routers and check both the location and the current status at any time. Communication between the mobile router and the redundant central VPN end points is encrypted thanks to IPsec. The mobile environment is taken into account with MobIKE. This guarantees stability and fast connections at all times. The individual requirements of the different railway and train compositions could be easily and safely integrated into the overall solution.



## Jungfrau Railways Group

The Jungfrau Railways Group is a leading tourism company and the most important mountain railway company in Switzerland. It offers its customers an experience both in the mountains and on the tracks. The most significant offering is a trip to the Jungfrauoch glacier saddle – the Top of Europe. Thanks to the long-term development of a distribution and agency network, it enjoys a leading position in Asian markets. The Group also operates its own hydroelectric power plant, rents out premises for catering and sells complete holiday packages on its website in cooperation with partner companies.

## onway

Since 2004, the team at onway ag has been supporting customers to evaluate, plan, implement and operate their WLAN/Network Access Control solutions, as well as offering ongoing support. To date, the team has successfully completed over 100 projects. We would be delighted to support you with your project.