

Product / Model: **Railway/ PA 1002**  
Operating Entity: **BLS-Lötschbergbahn AG**

## **Lötschberg Base Tunnel Not without PALFINGER RAILWAY Technology**

The 34.5 km long Lötschberg Base Tunnel has opened in 2007 as part of a continuous high speed link between Switzerland and Italy. Together with the new track sections and base tunnels on the Gotthard route, the Lötschberg Base Tunnel is an integral component to the Swiss "New AlpTransit" (NEAT) project.

BLS-Lötschbergbahn AG, a Swiss company which operates both passenger and goods traffic on the North-South route through the Lötschberg mountain as well as regional passenger service in the Bern metropolitan area, placed an order for a complex vehicle fleet for problem-free operation and maintenance of this tunnel system.

The system comprises various types of vehicles which can be fitted with different exchangeable modules based on standardised container dimensions (workshop and kitchen modules, air-conditioned team modules with toilettes and modules equipped with PA1002 and PFD99). Recurring maintenance work and remedying of malfunctions can thus be carried out efficiently, i.e. with as short as possible track closures.

This fleet consists of 10 accident intervention vehicles from Robel and 13 maintenance vehicles made by Schörling-Brock, of which 9 are motorised. These vehicles were delivered in 2007 and 2008.

Of course, the vehicles would not be equipped without a fully developed PALFINGER RAILWAY technology. Included in the "Lötschberg package" are a PA 1002 access working platform, a PFD 99 positioner for contact wires and carrying cables as well as the following cranes: PK 8000 T, PK 14000 T, PKR 200, PK 20002, PK 29002 through to the PK 100002. In total PALFINGER has supplied 24 units, which are specially matched to the respective carrier vehicle by means of an individual lifting power control system (operation with and without outriggers, with or without counterweight) and specially equipped for their intended job application.

The areas of duty cover anything from jobs using different grabs, to loading and unloading of emergency vehicles up to 3.5 t. and 20 foot container modules up to 2.5 t, loading of rails and switches to work on the contact line with the PA1002 or PKR cranes which are fitted with self-levelling and rotatable work cages.

