

## Contents

Steam train nostalgia in Switzerland



2

How to fold up a bridge using HK winches



3

Greater efficiency at the construction site



4

Training course at the Carinthian State Firefighting School



5

Exhibition calendar 2008

5

Farewell after 50 years at Rotzler

6

High-octane job starters

6

## ROTZLER System in Recovery Vehicles

### Winches and CAN Bus Technology for UK Support Vehicle Program



During an on-site presentation at the Steinen plant, the Rotzler workforce gathered information about an unusual project involving an impressive recovery vehicle which is being tested at Rotzler as part of a major contract. The recovery vehicle is one variant of a bigger vehicle contract, won by MAN ERF UK Ltd. The UK-based company EKA Ltd. is responsible for the recovery vehicle based on the MAN chassis. EKA developed and designed the top hamper, but will also be responsible for building the vehicles. In addition EKA provides one of the core components of this truck, i.e. the recovery device. The presentation involved a demonstration of Rotzler's scope of supply and functions for this vehicle. The integrated recovery, lifting and auxiliary winches as well as the CAN bus-based digital controllers and operating panels represent core components of the truck. For this project, the scope of which covers fitting a large number of vehicles, Rotzler has developed a tailor-made system concept that takes the complex hydraulic, electronic and application-specific requirements of these recovery vehicles into account.



TREIBMATIC TR 200 and TITAN TC 5

A CAN bus-based communication system connects all individual subsystems. These include Rotzler winches as well as further recovery equipment such as the EKA recovery device and a Terex Atlas crane. The specialized pulling winches TREIBMATIC TR 200 and TREIBMATIC TR 080 have been integrated to act as recovery and self recovery winches and the rope pay out of the main recovery winch (TREIBMATIC TR 200) is supported and accelerated by a Rotzler HZ 010 pulling winch. The recovery crane features a Rotzler TITAN TC 5 hoisting winch. The subsystems have been fitted with Rotzler's new digital controller, which was specifically developed to suit such and similar demanding applications in harsh environments. All the recovery equipment can be easily operated using Rotzler's ergonomically designed RCP-MS 2/6FP multifunctional remote control. The RCP-MS 2/6FP differs from conventional control panels mainly due to its low weight, a large LCD display and its clear, menu-supported navigation. These features bring many user benefits and make the RCP a highly useful tool.



TREIBMATIC TR 080 and HZ 010



Master Control panel

A further important element of Rotzler's solution for monitoring all system functions is an integrated master control panel with a touch screen that can be operated from outside the vehicle. This panel supports the operator and service personnel during trouble shooting operations by providing important technical data in real time. This makes it possible to quickly locate and solve any possible problems, more rapidly prepare the vehicle for operational deployment and increase vehicle availability in general. Coupled with excellent hardware components, all of which are perfectly integrated into an outstanding truck, the advanced operation concept of this vehicle, which is supported by the consistent use of CAN Bus technology in combination with a second-to-none software management and support concept, make it the most advanced recovery truck worldwide.

#### Scope of supply

**Main winch**  
ROTZLER TREIBMATIC TR 200 winch – 250 kN

**Recovery winch**  
ROTZLER TREIBMATIC TR 080 winch – 80 kN

**Auxiliary winch**  
ROTZLER HZ 010 winch – 8 kN (on top layer)

**Crane winch**  
ROTZLER TITAN TC 5 winch (on TEREX ATLAS crane) – 43 kN (on top layer)

**Rotzler digital controller**

**Rotzler remote control**

**Rotzler monitoring system** with NEXUS II Software

**Hydraulic main manifold** with integrated sensor equipment and safety valves