



Harness Design Competence in Rescue Missions

AUCOTEC and MAGNA POWERTRAIN for Fire Brigades Worldwide



Photo: Rosenbauer

Rosenbauer International AG, with its headquarters in Leonding, Austria, is one of the largest manufacturers of fire fighting vehicles worldwide and the most successful international vendor group for mobile fire and disaster control. Rosenbauer offers the complete branch assortment, from municipal fire engines and turntable ladders according to European and US standards and fire fighting equipment to a comprehensive assortment of airport and industrial fire fighting vehicles. The technologically leading company is represented in over 100 countries. Worldwide more than 1,400 employees work in 11 factories and five business concerns.

Complex and Highly Developed

For the development of its vehicle on-board electrical systems, Rosenbauer uses the cabling software package from AUCOTEC and MAGNA POWERTRAIN Engineering Center Steyr. Complex systems require complex solutions. The software specialists have been successfully cooperating with the fire control experts for over 4 years. Now all circuit diagrams and cable harnesses of the new airport fire engine in the Rosenbauer fleet have likewise been created in their entirety with this tried and tested harness solution. The ultra-modern PANTHER is equipped with

many electronic refinements such as a drive technology that permits simultaneous driving and pumping, an electronically controlled premixing system for the foam extinguisher, the cabin-controlled water and foam guns or the control monitors. Cable harnesses almost as thick as tree trunks must provide safety and lifesaving power and therefore require a precise and clear documentation.

From Design to Maintenance

Not only at Rosenbauer but likewise at its Karlsruhe subsidiary Metz, which manufactures turntable ladders, as well as at all other subcontractors the cable harnesses are manufactured and processed with the German-Austrian projecting software package. This consistent solution offers everything from circuit diagram creation via the wiring harness schematic to manufacturing documents such as parts lists and cable length tables or the formboard. Interfaces to PPS systems or cable manufacturing automats completely map the processes for all those concerned. By means of AUCOTECview, the comfortable tool for keeping an overview of maintenance and operation, but also with error analysis, AUCOTEC supports the international Rosenbauer After Sales division efficiently and effectively.



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