

FIRE-FIGHTING TRUCK

CAN-controlled platform

Rosenbauer (Austria) has combined a telescopic and articulating boom with articulating platform. It is controlled by an embedded CAN network.



The T-Rex articulating platform mounted on a fire-fighting truck (Photo: Rosenbauer)

The on-board CAN system provides the speed to allow fire-fighters to set the stabilizers, raise the aerial 35 m in the air, and rotate 90° in less than 95 s. It complies with NFPA (National Fire Protection Association) requirements. The CAN-based control system prevents the boom and the platform from colliding with any part of the cabin or the vehicle's body.

Rosenbauer is a leading manufacturer of fire-fighting vehicles. The Rosenbauer Group is expanding and has recently opened an own sales and service company in Australia. This subsidiary handles the sales for the fire-fighting vehicles and equipment, as well as servicing for Australia and New Zealand. The company's management was re-organized earlier this year. The new Chief Technology Officer is Daniel Tomaschko, who headed before two production plants. Prior to this, he spent several years working with MAN Truck and Bus, where he was responsible for the truck assembly line.

The vehicles are equipped with multiple CAN-based control systems. Some of them use the J1939 or the Firewire application layer. Other CAN networks implement proprietary higher-layer protocols.

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