Concept Fire Truck - CFT

- Flexible Design
- Fully connected
- Narrow Dimensions
- Driving Safety
- Driving dynamics
- Ergonomics
- Integral Warning Lights
- Simple Operation
- Electric drive
- Access heights
- Agility
- Firefighting Systems
- Hosebed
- Easy Access

View news articles about our fire truck:
https://www.fox10phoenix.com/news/all-electric-fire-truck-shown-to-valley-firefighters
https://ktar.com/story/2901865/revolutionary-all-electric-fire-truck-rolls-quietly-into-phoenix/

www.VTCFire.com
Scene Lighting
- Integrated high performance and shadowless LED surround illumination
- Extreme light intensity
- Shadowless illumination
- No lightmast required, but optionally available
- Curve lights
- Integrated warning lights

Electric drive
- 350 kW/475 hp electrical power
- 30 min electrical operation
- Range Extender for unlimited operation
- Zero/Low Emissions
- Reduced Noise Levels

Fully connected
- WLAN access point
- Wireless command operation panel
- EMEREC Data Center
- Background Assistance
- Operational Support via Drone

Driving dynamics
- Fast Acceleration
- All-Wheel Drive
- Low center of gravity
- Optimal load distribution

Flexible Design
- Flexible vehicle architecture with customization of all modules
- More compartment space
- Various water and foam tank sizes
- Various pump and foam mixing configurations
- Variable rear compartment options
- Multi-purpose crew cab

Manipulation system
- Lifting platform at the rear end
- Containers with heavy tools to be transported to the scene of the emergency
- Simple manipulations system for roof equipment (roof ladder and roof box)

Electric drive

Driving Safety
- Safety cell
- Electronic mirror system
- Rear cameras
- ESP in 4x4 drive mode
- Rollover protection
- Driver warning system
- Force feedback system in driver seat

Simple Operation
- Intuitive Touch Screens
- Focus on Main Functions
- One Button Operation
- Driver Control Panel
- Commander Control Panel
- Main Control Panel serves as Crew Info Screen
- Individualization

Lifting Capacity
- up to 2 t

20 x brighter than conventional lighting systems
Designed and developed for the fire departments of tomorrow!

Innovative CFT technology in response to fire fighting megatrends.
Safety, ergonomics, and easy operation - created for the toughest jobs.
Cockpit

- Turnable driver and commander seat
- Conference seat configuration for improved communication
- Main screen as central info point

Outstanding Ergonomics

- Expected development of grip heights
- All equipment can be reached from the ground
- Initial assault equipment in the crew cab

Adjustable ground clearance

- On-road mode 10 in.
- Vehicle can be lowered down to 6 in. ground clearance
- Comfortable access for driver and crew
- Increased off-road ground clearance 21 in.

Narrow Dimensions (in.)

- 25’
- 93 in.
- 6 in.
- 120 in.

Agility

- Small turning circle
- All-wheel steering
- Crab steering

Rosenbauer Extinguishing Systems

- 300-1000 gallon water tank minimum
- 750-1500 GPM Rosenbauer pump
- Optional Rosenbauer Foam proportioning systems

Manipulation

- Winch
- Robot
- Towing
- Extinguishing
The uniqueness of the Concept Fire Truck (CFT).

Ergonomics

- Optimized Ergonomics
- Low removal heights
- Low entry heights
- Headroom
- Lowerable chassis
- Ladder and roof box lowering device

Driving Performance

- Permanent All-Wheel Drive
- Dynamic acceleration
- Low center of gravity
- Optimal weight distribution (50/50)
- High curve velocity
- ESP with all-wheel drive
- Height adjustable chassis

Operation

- Special emergency driver workspace
- Commander & Driver Cockpits
- Large central screen
- Simple Operation (ONE Button Operation)
- Remote control of vehicle functions
- Tablet with integrated EMEREC application
- Assistance function (integrated Service4Fire)

Agility

- Compact Dimensions
- 93 in. width
- Steered Rear Axle
- Small turning circle (<40 ft)
- Sliding doors

Safety

- Safety cell
- Seat arrangement in the cabin
- Electronic rear view mirror with increased field of vision
- Driving assistance systems
- Force Feedback System in the driver’s seat
- Rear cameras
- Object recognition

Communication

- Team Cockpit – enhances optimal (non-verbal) communication
- Good noise insulation in the cabin
- Side indication - external graphic displays
- Networked vehicle (WLAN Access Point)

Light

- Integrated scene lighting
- High light intensity
- Cornering light

Operational Suitability

- High payload
- More compartment space
- Integrated lifting platform
- Flexible Manipulations System
- Initial assault equipment in cabin
- Range Extender for unlimited operation

Emissions

- E-Drive (Zero Emissions)
- Low emission diesel engine as a Range Extender
- No noise emissions in electrical operation

Service

- Status indicators
- Remote diagnostics
- Integrated operation manual
- Integrated service manual
- Guided operation
- Digital operation report
The electric drive enables a unique vehicle architecture and supports a clean environment.
Rosenbauer conceives the future - today.

www.VTCFire.com

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