



FIRE VEHICLES


EFEMMAK
SUPERSTRUCTURE FOR VEHICLES



**EACH HERO
NEEDS
A VEHICLE**



FOR FIREFIGHTERS



Every day, firefighters and disaster relief workers around the world do their best to save lives, defy the forces of nature, and rescue people in distress. We know that these people are not doing a simple job. Because of that;

Our passion is to produce the world's most effective fire fighting vehicles, rescue vehicles and industrial vehicles, the safest aerial vehicles, the fastest airport fire fighting vehicles and components. We believe that the best fire fighting equipment is designed with the support of firefighters. Firefighters know what they need, what makes it easier to work and gives them the highest possible safety. Many of our product development engineers work closely with customers who are actively involved in fire fighting and disaster response.

In this way, we have developed and produced innovative solutions for everyone involved in a mission, from big developments to small developments that make life easier. And we know that every hero firefighter needs a vehicle, and that vehicle must be the best.

ABOUT US



Each driver that using superstructure style of vehicle, wants to trust the vehicle they use. Due to the performance, in the process they serve, depends on the vehicle's loyalty. You can feel quality of Efemmak vehicle even in hard duty conditions. Makes its users stronger and feel in safe.

Since established, EFEMMAK brings different perspectives to the sector by investing in products, institutionalization, and branding with the power of a young and dynamic team. We have a growth strategy with a goal of maximum quality level in our products and the highest customer satisfaction. Efemmak continuously invests for customers and their needs with customized solutions to become a global brand. With a strong design, R&D team, innovative perspective, quality products, and after-sales network Efemmak becomes a partner of your choice.

Efemmak provides the best user experience with its vehicles with excellent design and maximum functionality

Quality means for us ,it's the road leads us to success. This means that we target to achieve high quality in all stages of our work to the complete satisfaction for our customers.

All of our QM system , safety , environment protection , data protection guaranteed by DIN EN ISO 9001

VEHICLES

CITY TYPE



INDUSTRIAL



SEARCH & RESCUE



AERIAL



RAPID INTERVENTION



ARFF - AIRPORT



EVEN IN THE HARDEST CONDITIONS EXCELLENT DESIGNS TO MAKE A DIFFERENCE



CUSTOMIZED



CITY TYPE





Our City-Type Fire Vehicles are specially designed for city fire brigade heroes responding fires in tight city conditions to save lives.

Our City-Type Fire Vehicles manufactured with the principle of "Every hero needs a vehicle" and become the essential weapon for fire brigades to respond fires. Our vehicles are supported with new modern technology starting from the production stage up to the operation to assist the firefighters with standard and optional equipment. All equipment and materials used in manufacturing selected from the best sources with the highest level of quality and universal standards.

Our City-Type Fire Vehicles have four different models according to usage areas and needs of city brigades with S-City, M-City, L-City, and CD (Customized Design) models.

City Type vehicles are extremely compact and have a distinctive style. This structure gives them large space for the placement of low-load materials, as well as maximum efficiency and high maneuverability in a narrow space

Usage Areas

- City and rural area fires
- Small scale industrial fires
- Rescue operations

INDUSTRIAL



ALL SYSTEM IN A
EXCELLENT HARMONY

DIFFERENT CUSTOMIZED VERSIONS FLEXIBLE SOLUTIONS



Industrial Fire Vehicles are very special vehicles and are designed according to the wishes of our customers. Industrial fire brigades have incredibly demanding and very specific needs. We design and manufacture vehicles for industrial fire departments according to their specific needs to protect people, facilities and the environment.

Our Industrial Fire Vehicles are coming with large foam, dry powder, high capacity fire pumps, and various unique accessories & tools to protect safety in industrial assets as per needs.

Our Industrial Fire Vehicles provide a high level of protection by using many features such as independent foam systems, remote control monitors, high capacity fire pumps with remote function ability, hydraulic and rescue tools and more.

FFT- Fire Fighting Towers up to 30 mt, crew cab conversions from original truck cabs or individual crew cab additions are under our scope of supply with the help of our skilled engineering and production team.

Usage Areas

- Heavy industrial fires
- Large scale fires
- Chemical fires
- Airport Fires

SEARCH & RESCUE





Our Search & Rescue Vehicles manufactured precisely by using our high-end engineering ability combined with laser cutting technology for structure manufacturing and in house made, custom designed sliding, turning holders for different types of equipment which give operators easy usage of supplied tools in minimized spaces.

Customized designed body structure for different applications, the building of superstructure guarantees the highest torsional rigidity, quality, and durability.

The structure consists of compartments equipped with dust and waterproof aluminum roller shutters, LED internal & external lighting and optional accessories such as telescopic lighting, ladder racks, high-pressure kits, and more.



Usage Areas

- Traffic accidents
- Mines and industrial facilities
- All kind of rescue operations
- Natural disasters

DETAILS

- Fire Pump
- GRP Tank
- Foam System
- Personnel Crew Cab
- Breathing Apparatus Transport Mechanism
- Dry Powder Extinguishing System
- Fireman Control Panel
- Lighting and Composite
- Slider Roof Ladder Rack
- Telescopic Lighting
- Body
- Monitor
- Stowage



FIRE PUMP

- All Fire Pumps have EN1028 or NFPA Certificated
- 800 – 10.000 Lpm @LP 8 - 16 Bar wide option range
- 250 – 1.200 Lpm @HP-UHP 40 - 90 Bar extremely effective and special options
- Aluminium / Bronze material options

FOAM SYSTEM

BASIC FOAM SYSTEM

- The system processes foam at standardized rates independent of water flow and pressure
- Foam monitor produced by using simple foam system is very efficient in extinguishing operations
- Due to the Venturi principle, foam cannot be processed in hydrant mode with basic foam system
- Simple to use and maintenance-free systems

AUTOMATIC ADJUSTABLE FOAM SYSTEM (FPA-FOAM PROCESSING ABILITY)

- Efficient and low consumption Foam System
- All the foam systems we offer automatically adjust the foam flow rate, sensitive to water flow and pressure
- Ability to process foam at the same rate at each flow rate and pressure at the selected rate
- Design which does not consume foam and does not allow foam to enter the water tank when there is no water outlet

OPTIONAL

- Ability to process different ratio of foam at each outlet





PERSONEL CREW CAB

- LED illumination for maximum visibility
- Safe travel with 3-point seat belt, optional airbags
- Complete aluminum body structure, optional integration into the driver's cab
- Maximum viewing visibility with middle and side Windows
- Standard / pneumatic opening cab doors and electric / manual side Windows
- Driver's cabin with camera and voicecommunication system
- Maximum adaptability to hard road conditions by mounting with flexible connections independent from the driver's cab and superstructure

BREATHING APPARATUS TRANSPORT MECHANISM

Respiratory protection units are highly effective devices for protecting firefighters' health in any environment. Firefighters must be used for all work involving particulate matter as well as harmful gases and vapors to ensure the health of the respiratory organs. The breathing set transport mechanism allows the firefighter to reach the respiratory protection units in the fastest and most comfortable way before the operation.

- Transport mechanism up to 6 breathing units
- Folding structure provides ergonomic usage and allows the breathing protection units to be positioned at the firefighter's back level.

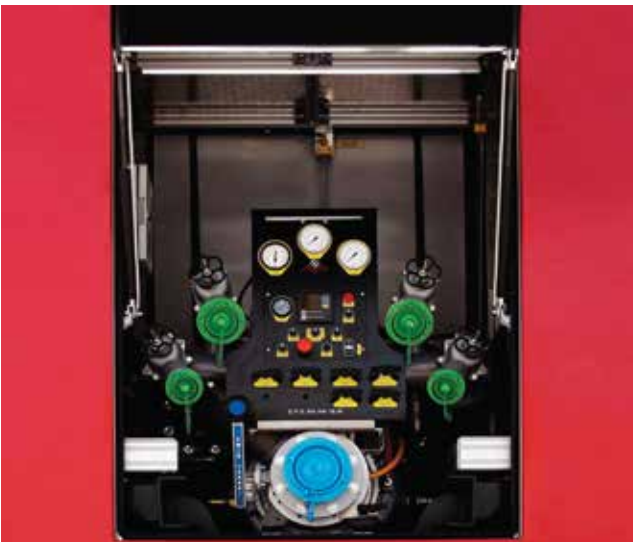
DETAILS



DRW POWDER EXTINGUISHING SYSTEM

Dry powder extinguishing system is designed to firefighting without using water or foam. They are used when water has a negative effect on fires or substances stored near a fire source.

- Usually located in vehicles designed in an industrial style
- Used in firefighting departments of metal or chemical industries



FIREMAN CONTROL PANEL

The control panel is the most important communication component between the firefighter and the fire vehicle. With logically located function keys and indicators, the firefighter is as comfortable as possible in the control of system devices. As a result, the fireman finds fault finding his own path, even in difficult situations, and ensures the maximum safety of the firefighters responding to the fire. Illuminated and elevated control buttons offer maximum convenience.

- Easy to use
- IP68 Protected operator panel
- Firefighter redirects classified by colors
- Illuminated control keys



LIGHTING AND COMPOSITE

- Complete laying of the upper structure lighting and fire warning LED layout
- Area illumination slots positioned to reach the LED light beam at every point around the vehicle
- Aesthetic design with crowns made of GRP -composite technology
- Flexible and easy to handle Polycarbonate glasses



GRP TANK

- Production by infusion method
- 40% lighter and longer life than stainless metal tanks
- High resistance to road with flexible structure, no risk of leakage over time



SLIDER ROOF LADDER RACK

- Complete stainless and aluminum material customized for heavy duty conditions.
- Safe and easy to use with transfer locks
- Rotating and sliding parts equipped with high quality bearings and special friction elements
- Specially designed according to the size, 13,5 meters x 3-stage ladder in the sample visuals suitable for the carrier system
- An effective solution for manufacturers with an easy-to-install mounting kit



TELESCOPIC LIGHTING

The telescopic lighting mast provides homogenous illumination of the operation area with high light efficiency. It can also provide focused illumination of any point to assist the operation.

- Wireless remote control up to 100 meters
- LED technology and low power consumption up to 96,000 Lumens
- Can be applied to any vehicle



BODY

Aluminum industrial profile design, lightweight, durable and space saving structure allows the superstructures to be compact.

- Very high corrosion resistance
- Light and flexible
- Flexible and variable structure allows maximum placement of equipment

DETAILS



MONITOR

They can be integrated into vehicles, suitable for use in almost all areas where the fire department operates. They are designed for high firing range and very good foam quality with electronic or manually controlled monitors and can be positioned as bumpers or roofs.

BUMPER MONITOR

- Ability to process water and foam up to 2000 Lt / min
- In-cab joystick control
- Water range up to 65 meters
- Foam throw distance up to 47 meters
- Automatic parking position taking function
- Optional high-capacity LED-focused lighting

ROOF MONITOR

Manual or wireless remote control option

- In-cab joystick control option
- In-cabin shooting management screen with IP6K9K camera positioned over it
- Ability to process water and foam up to 10000 Lt / min
- Water throw distance up to 105 meters
- Foam throw distance up to 75 meters

STOWAGE

Variable and flexible placement system allows easy and quick access to every equipment. Rotating shelves and drawers allow for ergonomic removal of equipment. The advantages of this docking system are the long life of the equipment and saving time and energy when take the equipment.

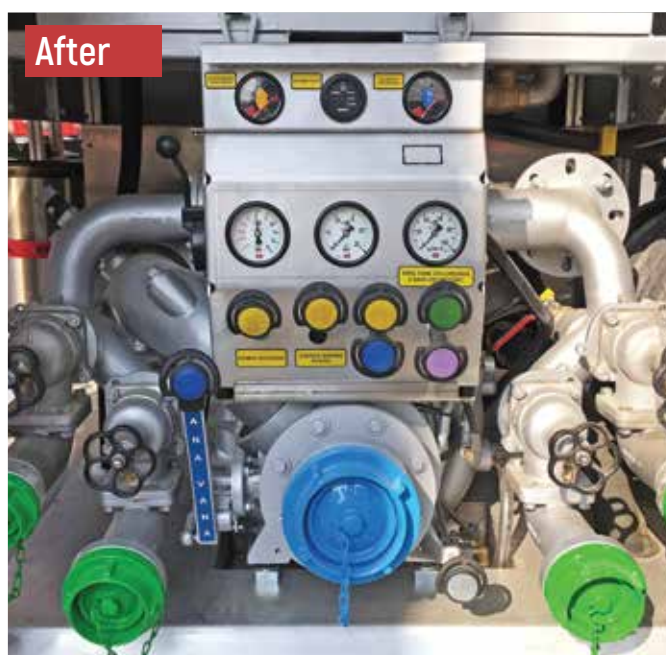
- Efficient use of every point of the superstructure



REFURBISHMENT



We offer a package that enables the revision of the chassis vehicle part and the complete renovation of the superstructures of the old and used fire trucks within the structure of our customers with very attractive conditions. Our customers are able to use a new vehicle level fire trucks at a small price. Well maintained and fully refurbished, even older vehicle types can provide years of reliable service and meet the requirements of ultra-modern operation scenarios. Our renovation team has brought the used fire trucks to the optimum level with their long years of experience. Our highly qualified and experienced technicians know every detail, precisely control all parts and offer a modern product.





COMPACT

STRONG FLEXIBLE



AERIAL



Our aerial ladder equipped fire vehicles manufactured for fearless firefighters interfering with emergency calls of the people awaiting rescue at high levels.

With our fast-acting aerial ladder comes with flexible and agile structure, we comply with universal quality standards and requirements which makes every hero comfortable against responding fires and rescuing lives in extreme conditions at highs.

We adopt most modern technological developments in our vehicles to ensure also chemical fire operations run with optimum efficiency for industrial fire brigades by using MCS (Moment Control System) and more.

Our aerial ladder equipped fire vehicle range consists of various models according to usage areas and heights of L18, L24, L28, and L32.



Usage Areas

- High-rise building fires
- Rescue operations at highs
- Industrial fires



OUTRIGGERS

- Providing secure balancing



CAGE

- Foldable, electronic stabilization system, 4 entrance door



LADDER STRUCTURE

- Aerial ladder/platform designed light, fast, and safe
- Manufacturing following the EN 14043 standard
- Articulation/flying arm technology

RAPID INTERVENTION



Rapid Intervention- The RI Vehicle is a compact example of the fire vehicle series, particularly suitable for fast and safe operation in small airports, heliports, industries and vehicle accidents. Perfectly coordinated on pick-up frames, thanks to the components we provide, this product of the series demonstrates its broad capabilities in a very short time. Innovative component solutions integrated into the vehicle provide the perfect alternative for any fire department.

Specifications integrated into Rapid Intervention-RI :

- Tank capacity up to 500 l.
- Dry chemical powder unit, up to 90 kg
- CO2 extinguishing system, up to 30 kg
- Simultaneous driving option, water handling capability while vehicle is moving
- Low pressure @ 10 bar / high pressure @ 100 bar water pump option
- Automatic foam proportioning systems
- LED telescopic lighting set
- Controlled in-cab buffer monitor option



Usage Areas

- Airports
- Small scale industries
- City fire departments

ARFF – AIRPORT



Our ARFF Vehicles are designed and manufactured on a commercial chassis, providing cost effectiveness and performance for airport operations. It meets the needs of airport operators with many different functions and components according to customer or tender conditions.

- 4x4, 6x6 or 8x8 commercial chassis with high power engines
- Quick response tools
- Crew conversions from original cabs for world-class LHD and RHD steering
- GRP or SS water and foam tanks option
- Use of pumps in driving position with auxiliary engine or intermediate gear integration
- Complete chassis-superstructure CAN-BUS communication integration
- Internal or external foam processing system
- Dry chemical powder extinguishing system
- FFT-Fire Fighting Tower
 - Impact area up to 30 meters
 - Wireless monitor control



Usage Areas

- Airport fire fighting and rescue operations
- Runways
- Dirty Off-Road Fields





Our Forest and Land Fire Fighting Vehicles are designed and manufactured as the first intervention for forest, shrub and forest fires. With our vehicles, you will easily manage the operation on the most difficult terrain.

- All-wheel drive chassis and customized bodywork design with high ground clearance and low center of gravity
- Robust construction with a variety of functions and components according to customer requirements
- Pumps with different capacities and pump drive options, water treatment on the go option
- Different sizes of water and foam tank options suitable for chassis capacity
- High pressure extinguishing system
 - Built-in system
 - Mobile system
- Add-on passenger compartment
- Rescue equipment
- Electric and hydraulic winch option
- Wireless remote control of pump, monitor and extinguishing system
- High capacity roof monitor and bumper monitor option
- Driving / land protection bars

REINFORCED BODY FOR OFF ROAD CONDITIONS



Usage Areas

- Forest fires
- Bush fires
- Mining work areas
- Off-Road regions





Our mobile medical units help save lives in areas where help is limited. At EFEMMAK, we provide mobile clinics, extendable mobile hospitals, mobile field hospitals, and off-road ambulances to meet the needs of our customers.

APPLICATIONS

- General health care
- Dental
- Women health care and gynecology
- Blood donation
- Ophtalmology & Ent
- Pharmacy
- Laboratories
- Mobile labotatory
- Mobile operation and intensive care
- Mammography
- X-ray (can be combined with lab, ultrasound, Mammography, ETC)
- Special design project



Usage Areas

- Vehicles are preferred for delivering primary health services to people that are living in rural areas.
- Mines
- Special steam power plants
- Petroleum and chemical plants



STRETCHER AND STRETCHER PLATFORM SYSTEM

- Positioned at the rear of the vehicle, made of special aluminum material, 170 kg. maximum official carrying capacity.
- Only one person can load and unload the stretcher with patient in the ambulance
- Head portion height can be adjusted gradually.
- Foot portion can be elevated from a single point.
- Foldable and safety side railings.
- Rear wheels have locking feature for safety and operation.



CENTRAL OXYGEN SYSTEM

- In-vehicle central oxygen system generally consists of the following equipment, content can vary according to customer request.
- 10 liter oxygen cylinder (2pcs)
- Oxygen system
- Oxy-vacuum suction system
- Accessory holder rail system
- Oxygen masks
- Tracheal suction catheters



OFF-ROAD DESIGN



SERVICES



CUSTOMER SATISFACTION

Customer satisfaction without compromising our quality, after-sales service with timely and on-site service is adopted as a quality policy. To improve our vehicles and services according to the needs and expectations of our customers, we carefully evaluate the complaints and suggestions of our customers and always consider them in our activities.



SPARE PARTS

All needed spare parts of vehicle components can be obtained from Efemmak. We offer unconditional and hassle-free spare parts service in ordering spare parts.



AFTER SALES SERVICE

As company of Efemmak, based on our customer satisfaction relations, we never leave our customers alone even after the product sales. Thanks to our after sales service, our customers have longer maximum efficiency by using our products. Due to the use of our products we are so closer them with just a phone call for any inconvenience of our customers. Thanks to our mobile service, we can reach our customers quickly in a potential problem across the county. We provide 2 year guarantee for each product we manufacture. There with all; we are committed performing general maintenance every 6 months.



MOBILE SERVICE

If something fails unexpectedly, it should be intervened as quickly as possible. Efemmak service organization is available 24 hours a day and is there for you all over the world. If you have any questions via the Efemmak service hotline, there is a qualified staff available. A comprehensive service network of Efemmak workshops, mobile service technicians and various service partners around the world ensures that there is always a technician nearby.

20 COUNTRY 5 CONTINENT WIDE EXPORT NETWORK

-  Efemmak Center Location
-  Efemmak Middle East, Africa Service and Sales Point

SALES

Our sales network , everyday we invest for our customers with local representative partners for our products which is a key part of our strategy, supporting our customers in all over the world. We have dedicated Middle East & Africa branch located in UAE and dealers all over the world.

- Civil Defenses
- Ministries
- Municipalities
- Port Authorities
- Fire fighting industry representatives
- Mines
- Oil & Gas Companies and Rafineries



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