

**SHIELD**<sup>®</sup>  
TRUSTED WORLDWIDE

**STRONGER**  
THAN EVER



VEHICLES

# INTRODUCTION

**SHIELD** promotes fire safety and security by providing innovative life safety solutions all under one roof. Since its humble beginnings, SHIELD has grown from its headquarters in Dubai, UAE to expand to over 100 countries around the world.

**SHIELD** is among the world's leading producers and suppliers of top-tier firefighting trucks and vehicles. All firefighting vehicles supplied by our company have been constructed by the highest safety standards. Our vehicles will enable you to respond quickly and efficiently to fire emergencies regardless of your environment while offering maximum security and mobility during the operations.

We have established a reputation as one of the top firefighting manufacturers in the world due to the quality of our firefighting apparatus and equipment. Our firefighting trucks and vehicles are suitable for effectively combating fires in airports, domestic, commercial buildings and all other hard-to-reach terrains.

In our range, we have ARFF Vehicles on Custom Built Chassis and Commercial Chassis, Municipal Firefighting Vehicles, Industrial Firefighting Vehicles, Rescue and Rapid Intervention Vehicles, Aerials for Rescue & Firefighting, Aerials & Vehicles for Electrical Sector, Electric Vehicles and other Special Purpose Vehicles.

Our Trucks & Vehicles division has been assessed & certified for the Quality Management System requirement for Aviation, Space & Defense organization (AS 9100) by UL-DQS. Our Vehicles are built to meet the requirements of fast intervention in case of emergency exceeding the applicable standard NFPA 414 and ICAO regulations. They are tested in accordance with ECE R29.

Fight Fire effectively with SHIELD!











## MANUFACTURING

At **SHIELD**, we pride ourselves on a manufacturing facility with the latest technological advancements. Our impressive machinery includes Laser Cutting Machines, Thermoforming Machines, Water Jet Cutting machines, and Router machines for mold manufacturing to enhance productivity.

Our Dedicated Engineers and Technical staff are renowned for their Skills and extensive experience. They possess the capability to consistently research, develop, and introduce the latest advancements in technological systems and equipment in the industry.

With a legacy of excellence in engineering and manufacturing, **SHIELD** is poised to tackle any challenge. Our established Mass Production Lines enable us to meet high-demand requirements swiftly, granting us a competitive edge in ensuring prompt deliveries.

**SHIELD's** unprecedented growth initiated the further expansion of the Manufacturing facility to increase Production Capacity, reaffirming our commitment to excellence.

Our manufacturing facility operates under rigorous adherence to approved international standards for Quality Management Systems, Safety, and Environmental standards, as defined by ISO 9001, ISO 45001, and ISO 14001. Notably, Our Vehicles Division proudly holds the prestigious Aerospace Standard AS 9100 certifications.

We uphold a culture of continuous improvement, conducting regular Technical Awareness training to enhance our staff's technical knowledge and skills continually. At **SHIELD**, staying at the forefront of technological advancements is essential to providing our valued customers with the highest quality products and services.



## ENGINEERING

Engineering Excellence and a Legacy of Innovation in firefighting systems and application acquired over the last 25 years have been instrumental in establishing and rapidly developing the firefighting trucks division. We thrive on technological advancement. Our state-of-the-art technology and software support the division, allowing extensive research and development into optimum configurations for maximum space utilization, on-road efficiency, and safety/security features.

Our team of engineers is dedicated to the pursuit of excellence, constantly seeking to improve our designs and integrate the latest technological advancements. By leveraging cutting-edge software and simulation tools, we can optimize every aspect of our firefighting trucks, from their on-road efficiency to their safety and security features. This ensures that our firefighting trucks remain at the pinnacle of performance and safety.

We take every aspect of our firefighting trucks seriously, from load displacement to performance in off-road conditions. So whether you're fighting a wildfire or responding to an urban emergency, you can count on our commitment to excellence and innovation to keep you safe and effective.





## QUALITY CONTROL

SHIELD's Quality Management System is certified to the Aerospace Standard (AS 9100), which offers a significantly higher control level than the traditional ISO 9001 QMS.

We provide extensive product and process certifications from internationally recognized certifying bodies and approval authorities such as UL, VCA, KBA, etc. These certifications are obtained following various standards, including EN, NFPA, KKK / AMD, GVS, and ECE regulations.

As certified modifiers of renowned chassis manufacturers, our modification processes adhere strictly to Manufacturer Directives. SHIELD guarantees excellence in quality control, ensuring our firefighting trucks meet the most rigorous industry standards.

“ **SHIELD guarantees excellence in quality control, ensuring our firefighting trucks meet the most rigorous industry standards** ”



## AFTER-SALES DEPARTMENT

At **SHIELD**, our commitment to you extends far beyond the purchase. We offer comprehensive after-sale support to ensure your firefighting truck remains at its best.

- **24/7 Global Engineering Support:** Our expert engineers stand by around the clock, across the world, ready to assist with any technical issues, training, maintenance, and other services.
- **Mobile Workshop:** Our fully equipped mobile workshops are just a call away, ensuring minimal downtime for on-the-spot maintenance and quick repairs.

- **10 Years of Spare Parts Availability:** We understand the importance of long-term reliability. **SHIELD** has a 10-year spare parts availability, ensuring you can count on us for replacements and repairs.
- **Training and Commissioning:** To maximize the efficiency and safety of the firefighting truck, we offer specialized training and commissioning services. To our clients, our experts will guide the team through optimal usage and maintenance procedures, ensuring the vehicle operates at peak performance throughout its lifespan.



# AIRCRAFT RESCUE & FIREFIGHTING VEHICLE ON CUSTOM BUILT CHASSIS



Falcon - 8



## FALCON SERIES

- ARFF FALCON series is the right choice for airport firefighting and rescue; these vehicles are built to meet the requirements of fast intervention in case of emergency exceeding the applicable standard NFPA 414 and ICAO regulations.
- Chassis options American or European origin.
- Cabin is custom built with center, center right or center left steering, tested in accordance with ECE R29.
- Tank, cabin and body covers are made of Glass Reinforced Polyester (GRP)/IPP/ All proven corrosion resistant material ABS.
- 9137 ICAO specified equipment based on airport category is available at request.
- Automatic Around the Pump Foam system. UL Classified provided as standard.
- SHIELD developed a narrow version of FALCON 6 of 2.5 Meters.



### AIRCRAFT RESCUE & FIREFIGHTING VEHICLE ON CUSTOM BUILT CHASSIS

Model	Drive	Min. HP	Water Tank (L)	Foam Tank (L)	Fire Pump Capacity (LPM@10 bar)	GVW (T)
Falcon-4	4x4	500	6500	780	6000-10000	24
Falcon-6	6x6	650	12500	1500	6000-10000	36
Falcon-8	8x8	900	16000	1920	6000-10000	52

\*Note - GVW values may differ based on equipments re-tested.  
- Conversion available upon request.

# AIRPORT RESCUE & FIREFIGHTING VEHICLE ON COMMERCIAL CHASSIS



NF - ARFF - 6



## A COST-EFFECTIVE SOLUTION FOR AIRPORT FIREFIGHTING & RESCUE

- A cost-effective solution for Airport Rescue and Firefighting Vehicles, these units are built on commercial chassis from reputed manufacturers such as Scania, Mercedes-Benz and MAN.
- Original chassis cabin is converted to crew cabin with right or left steering, tested in accordance with ECE R29.
- Tanks options of Glass Reinforced Polyester (GRP), Polypropylene or SS 316L
- ICAO specified equipments based on airport category are available at request.
- Automatic Around the Pump Foam system.
- UL Classified provided as standard.



AIRPORT RESCUE & FIREFIGHTING VEHICLE ON COMMERCIAL CHASSIS

Model	Drive	Min. HP	Cabin	Water Tank (L)	Foam Tank (L)	Fire Pump Capacity (LPM@10 bar)
NF-ARFF-4	4x4	480	Double	4100	500	3,000-4,000
NF-ARFF-6	6x6	580	Double	9000	1080	4,000-6,000

# MUNICIPAL FIREFIGHTING VEHICLES





## DESIGNED FOR INTERVENTION MAINLY WITHIN THE CITY LIMITS



- Designed for intervention mainly within the city limits, SHIELD municipal fire trucks are categorized as light (up to 12T GVW), medium (12 to 18 T GVW) and heavy-duty (over 18 T GVW) Firefighting Vehicles.
- Chassis options such as Scania, Mercedes-Benz, MAN, International, Renault, Iveco. Others can be used based on engineering assessment.
- Cabin can be single or double cabin subject to chassis selection.
- Tanks options of Glass Reinforced Polyester (GRP), Polypropylene or SS 316L
- Additional equipment are available upon request .
- Manual or Automatic Around the Pump Foam system being provided.
- Monitor with electric or manual control.
- High-pressure hose reel with electric rewind available on selected models.
- NFMR series of municipal vehicles are prepared for any emergency situation. They are able to carry hydraulic rescue tools, electrical generator, power tools, SCBA, hoses, nozzles and many others. The bodyworks can be supplied in Aluminum or Polypropylene.

### MUNICIPAL FIREFIGHTING VEHICLES

Model	Drive	Min. HP	Cabin	Water Tank (L)	Foam Tank (L)	Fire Pump Capacity (LPM@10 bar)	GVW (T)
NFM-40/4-SC	4x2	170	Single	4000	400	2000	12
NFM-60/0-SC	4x2	240	Single	6000	0	2000	18
NFMR-40/4-DC/AL	4x2	240	Double	4000	400	3000	18
NFMR-45/5-DC/PP	4x2	240	Double	4000	500	3000	18
NFM-60/5-DC	4x2	240	Double	6000	500	3000	18
NFM-100/10-DC	6x4	310	Double	10000	1000	4000	33
NFM-120/12-SC	6x4	360	Single	12000	1200	4000	33
NFM-150/4-SC	6x4	360	Single	15000	400	4000	33

*\*Other configurations available upon request.*

# INDUSTRIAL FIREFIGHTING VEHICLES





## FOR PROTECTION OF INDUSTRIAL ASSETS

- For the protection of industrial assets, SHIELD provides a complete range of vehicles able to carry large amounts of foam, dry powder and water. The chassis are provided with safety features such as spark arresters and engine shut-off valves, in line with the internal regulations of the industrial sector.
- Chassis commonly used are Mercedes-Benz, MAN, Iveco, International or Freightliner.
- Cabin can be single or double cabin subject to chassis selection.
- Tanks options of Glass Reinforced Polyester (GRP), Polypropylene or SS 316L.



- Additional equipment are available upon request.
- Foam systems are highly accurate balanced pressure or electronic injection type.
- Monitors with electric or manual control dual or triple agent can be provided.
- High-pressure hose reel with electric rewind available on selected models.
- Water towers with heights up to 72 meters can be installed on selected models.

### INDUSTRIAL FIREFIGHTING VEHICLE

Model	Drive	Min. HP	Cabin	Water Tank (L)	Foam Tank (L)	Fire Pump Capacity (LPM@10 bar)	GVW (T)
NFI-30/30-DC	6x4	310	Double	3000	3000	4000	27
NFI-50/50-DC	6x4	310	Double	5000	5000	6000	31
NFI-60/60-SC	6x4	390	Single	6000	6000	6000	33
NFI-0/11-DC	6x4	390	Double	N/A	11000	10000	33
NFI-0/22-SC	6x4	480	Single	N/A	22000	N/A	41
NFI-50/60-DC	6x6	540	Double	4000	6000	10,000	33
NFI-30/60-SC	6x4	500	Single	3000	5000	11,000	33

\*Other configurations available upon request.

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## HAZMAT VEHICLES





## COMPLETE SOLUTION FOR HAZMAT OPERATION

- Hazmat Response Vehicles may vary in size and color, but, its mission always involves mitigation and the requirement to transport a lot of bulky equipment is imperative.
- To effectively do that our newly developed hazmat truck with deep compartment storage facilities, storing the heavy and bulky equipment such as overpack drums, inflatable tents, environmental systems and other equipment required to be stored, for the hazmat or chemical hazardous areas, our unit will suit your needs.
- Each unit is particularly designed for the purpose and takes into consideration the special requirements of the customer.

## DEFENCE/COMMAND VEHICLES



### ANTI - RIOT VEHICLE - ARMoured CABINS

- This vehicle is used for the purpose of dispersing the demonstrators and anti-riots it can be on a small chassis such as Ford or GMC or be on large trucks, these trucks can carry larger quantities of water and anti-riot equipment, and all the aspects of an armoured car with surveillance cameras and control devices



### COMMAND/RESCUE VEHICLE

- Latest wireless communication devices are connected to the Central Operation Control room 24/7.
- Advanced CCTV monitoring device which is working in daytime and night vision under all weather conditions.
- Customized Rescue equipment installed.
- Office and meeting room are Equipped with all kinds of office equipment (Computer, Printer, Fax, Etc).

# SPECIAL PURPOSE VEHICLES





# SPECIALLY DESIGNED VEHICLE FOR FLOOD RESCUE OPERATIONS

## VEHICLE FEATURES

- Built on Mercedes Chassis UNIMOG 5000 series. Engine 160kW / 218 hp.
- Automatic Transmission.
- Extreme O-road Capabilities.
- Torsion free body mounting.
- Fording Depth 1.2 meters ( Driving in Water)
- Crew Cabin accommodating up to 6 persons.

## SPECIAL FEATURES

- Full Body is made of Aluminum lightweight to optimize performance.
- Five (5) Nos of Storage lockers closed by Aluminum roller shutters.
- One (1) Front Hydraulic winch 6 ton.
- One (1) Rear Hydraulic winch 6 ton.
- High raised Telescopic light Mast to give more visibility during the rescue operations.
- Inflatable Rescue Boat 10 feet in length with accessories



## LIST OF RESCUE EQUIPMENTS ON THE VEHICLE:

- |                                      |   |
|--------------------------------------|---|
| • Floating Pump                      | • Cable cutter electric                         |
| • Hydraulic Rescue Tools             | • Airbag Safety Cover                           |
| • A portable generator set           | • Window breaker                                |
| • Electrical submersible pump        | • Rescue Struts Vehicle Stabilization Sys       |
| • Crowbar flat                       | • Voltage detection device                      |
| • Rescue ropes                       | • Gloves: Working gloves, Electrician gloves    |
| • Kermantle static rope polyester    | • Lightweight tool First Responder Hi-lift Jack |
| • Fire Extinguisher ABC 25 Kg        | • Lifejackets with Wiesel and light - 4 Nos.    |
| • Life ring with rope with reflector |   |
| • Web lanyard with hooks and loop    |   |

## SPECIAL OPTIONS

- Floating Pumps flow up to 24,000 lpm QTY 2 pumps each (12000 lpm)
- Available on 18 ton chassis Mercedes Zetros 4x4, Man 4x4, IVECO Astra 4x4

# RESCUE AND RAPID INTERVENTION VEHICLE





# NECESSARY FOR ROAD OR AIRPORT FAST INTERVENTION

- SHIELD Rescue and Rapid Intervention Vehicles are specifically designed for the application necessary for road or airport fast intervention. They can feature extrication tools, firefighting systems water/ foam based, DCP or CO<sub>2</sub> as well as medical equipments.
- Standard construction Aluminium modular technology, they are also available in full PP bodies.
- Chassis cabs or VAN type from reputed manufacturers : GMC, Ford, Mercedes-Benz, Iveco.
- Cabin can be single or double cabin.
- Tanks options of Glass Reinforced Polyester (GRP), Polypropylene or SS 316L.
- Additional equipment are available upon request.
- Normal-pressure or high-pressure firefighting systems can be installed.



RESCUE AND RAPID INTERVENTION VEHICLE

Model	Drive	Min.HP	Water Tank (L)	Foam Tank (L)	Fire Pump Capacity (LPM@10 bar)
NF-RIV-300	4x2 4x4	100	300	30	42 @ 100 Bar
NF-RIV-500	4x2 4x4	110	500	50	1500 @ 10 Bar
NF-RIV-1000	4x2 4x4	140	1000	100	1500 @ 10 Bar
NF-RIV-2000	4x2 4x4	140	2000	200	1500 @ 10 Bar

*\*Other Configurations available upon request.*

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**HYDRAULIC ACCESS  
PLATFORMS FOR  
FIREFIGHTING**





# WHERE THE INTERVENTION REQUIRES ACCESS TO HEIGHTS

- Where the intervention requires access to heights, SHIELD provides a full range of aerial platforms and turntable ladders that can reach up to 72 meters Height.
- The platforms are EN 1777 compliant and options for water / foam tanks, foam system, monitor are available. Can be customized for both municipal as well as industrial applications.
- Chassis options: Volvo, MAN, Iveco, Mercedes-Benz, Renault.



## TURNTABLE LADDERS

Model	Drive	Minimum HP	Cabin	Working Height
NF-TTL-32	6 x 4	360	Single	32
NF-TTL-46	8 x4	360	Single	46
NF-TTL-52	8 x 4	480	Single	52

\* Water Towers up to 72 mtr available upon request.



## HYDRAULIC PLATFORMS

Model	Drive	Minimum HP	Cabin	Working Height
NF-ALP-295	4x2 / 6x4 4x4 / 6x6	280	Single	29.5
NF-ALP-330	6 x 4	360	Single / Double	33
NF-ALP-375	6 x 4	400	Single / Double	37.5
NF-ALP-444	6 x 4 / 8 x 4	480	Single	44
NF-ALP-555	8 x 4	480	Single	55
NF-ALP-727	8 x 4	480	Single	72

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## NEW DEVELOPMENT EMERGENCY VEHICLE

- Command units, rescue and incident command support units, canine carriers, hazmat trucks lighting vehicles or cash-in transit units are only a few of the custom-built vehicles that SHIELD is producing.
- Each unit is particularly designed for the purpose and takes into consideration the special requirements of the customer.

## SERVICE VEHICLES

### CUSTOMIZED & CUSTOMER SPECIFIC SOLUTION VEHICLE CONCEPT



#### ENGINE - PUMP TRAILERS

- Engine-pump trailers are ideally suited for supplying firefighting water to industrial and refinery plants - especially in harbour areas.



#### SIGNAGE VEHICLE

- Rescue vehicles always work under very high risk. With our LED Variable Message Signs mounted on the vehicles, we provide additional safety because the vehicles are visible from a long distance and this will increase safety levels in hazardous areas.



#### LIGHTING VEHICLE


- Carries a metal halide/LED lamps that are powered by the onboard generator. By lighting up the emergency scene it enables firefighting and rescue operations at night.



#### MOBILE WORKSHOP

- Special robust design, practical and lightweight with Storage Cabinets and Side Access for the equipments, the vehicle is ready to be furnished with all necessary tools required to carry out in the field,





**Mercedes-Benz**  
**VanPartner**

Certified partner for individual body/conversion solutions 2021 - 2024

**NAFFCO FZCO**  
Jebel Ali Free Zone, 262169 UAE, United Arab Emirates


Validity period: from 08.09.2021 to 08.09.2024

NAFFCO FZCO has been designated **Mercedes-Benz VanPartner**.  
It meets the requirements in terms of quality, sales, engineering, technology and after-sales services  
specified by Mercedes-Benz Vans for bodybuilders in the area of individual body solutions.

Congratulations! We look forward to working together with you.

Stuttgart, September 2021

  
Dr. Stefan Trues  
Head of Marketing  
Mercedes-Benz Vans

  
Rami Gammara  
Head of The Application and Bodybuilder Center  
Mercedes-Benz Vans

Mercedes-Benz



**MERCEDES BENZ CERTIFIED**



**QualifiedPartner by Mercedes-Benz**  
**Special Trucks**

**NAFFCO FZCO**  
Jebel Ali Free Zone, 262169 UAE, United Arab Emirates

Validity period: from 08.04.2022 to 08.04.2025

NAFFCO FZCO has been allocated QualifiedPartner status by Mercedes-Benz Trucks. It meets the high requirements in  
the areas of quality, sales and after-sales service which Mercedes-Benz Trucks offers customers in the area of individual  
body and conversion solutions.

Congratulations! We look forward to working together with you.

Wörth, in April 2022

  
Dr. Ralf Heuser  
Marketing, Sales & Service Mercedes-Benz Special Trucks  
Mercedes-Benz Trucks

  
Rami Gammara  
Application Management Mercedes-Benz Special Trucks  
Mercedes-Benz Trucks

Mercedes-Benz  
Trucks you can trust





## CERTIFICATES

SHIELD Vehicles Division maintain Quality, Environmental and Safety Management Systems. Compliance with AS 9100C ensures that there is a robust design process to meet safety and reliability requirements to the standards of the aerospace industry and that each phase of product realization, from planning to shipment, is tightly controlled for the delivery of a conforming product. It also ensures adequate Product Monitoring and Measurement that defines requirements for product validation prior to shipment.





**FORD CERTIFIED CHASSIS MODIFIER**



Serving Over 100 Countries Worldwide



Email: [info@shieldglobal.com](mailto:info@shieldglobal.com)  
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In line with SHIELD policy for continuous product development,  
SHIELD has the right to change specifications without prior notice.