

# BRISTOL

**PAVING THE ROAD  
TOWARDS SAFETY  
SINCE 1974**



## ABOUT US

**Bristol Vehicles Manufacturing Division** specialises in the manufacturing of vehicle bodies and engineering for all types of emergency vehicles such as Rescue, Firefighting, Emergency Medical, Command, Hazmat, and other specialised vehicles. We strive to continuously advance our products, quality, and services to address the evolving needs of the market and ensure long-term customer satisfaction.



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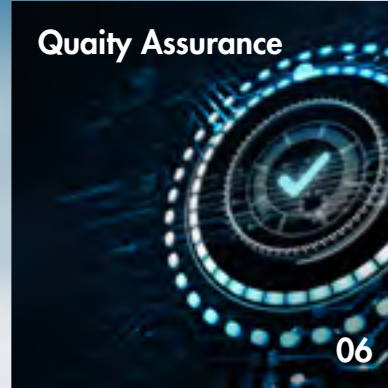
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## MANUFACTURING FACILITY

Our 20,000 m<sup>2</sup> manufacturing facility is in the heart of the Industrial City of Abu Dhabi (ICAD) where we operate different sections for the design, fabrication, painting, assembly, and testing of vehicles served by a team of engineers, artisans, sales, and support staff.



## DESIGN CAPABILITIES



Our team is built up from innovative driven automotive engineers with extensive years of design experience in firefighting, emergency medical and special vehicles always in pursuit of the highest safety and industry standards. We proud ourselves in being innovative and meeting with the needs of our clients, no matter how specialised, time after time.

In addition to new products, we strive for continuous growth through research and development process. The team utilizes cutting edge 3D technology, with state-of-the-art virtual reality simulation to enable our clients to fully visualize their response solutions.



## QUALITY ASSURANCE

All our vehicles are designed in accordance with international standards and chassis manufacturer specifications in line with ISO 9001 certification for Product Quality, OHSAS 18001 for Health and Safety and ISO 14001 for Environment Safety. Our primary emphasis is on continuous improvements and developments of products and services to achieve goals to maintain and maximize customer satisfaction by seeking the highest level of quality assurances through all phases of design, manufacturing, and testing.



## SERVICE & MAINTENANCE

With our dedicated service and maintenance team we are perfectly positioned to meet with the after-sales support demands of our customers. Furnished with a comprehensively equipped mobile workshop, this division is staffed by a team of highly qualified engineers and technicians dedicated to providing around the clock support to all our customers.



### The "Al Shallal" High-volume Industrial Pumper

- » Chassis: 6x4 Mercedes-Benz Actros
- » Crew Cab: Full-tilt extended 4-door cab with seating for 5 crew
- » Body Construction: Full-aluminium super-structure
- » Water Tank Capacity: 2,000 litre Polytank
- » Foam Tank Capacity, 5,000 litre Polytank
- » Pump: NFPA compliant 2,500 gpm Darley midship mounted pump
- » Foam system: Williams HotShot II balanced-pressure foam system
- » Rear and side 6" and 2.5" suction-inlets and discharges
  - One Williams Ambassador Monitor, 6,000 gpm with Hydro-Chem nozzle
  - Two TFT Monsoon Monitors 2,000 gpm
- » Attack capabilities:
  - Two water-foam 1.5" cross-lays
  - Two Hydro-chem cross-lays
  - One 1.5" dedicated dry chemical attack line
- » A roof mounted hose bed with provision for 6", 3" and 2.5" hoses
- » Dry Chemical Extinguish System: 225 kg Williams Gorilla System
- » The pump controls are top mounted that provides the pump operator with a 360° view of the fireground offering the best situational awareness found on any pumper





## 4x4 Industrial Pumper

- » Chassis: 4x4 Mercedes Benz Actros
- » Crew-cab: Two-door in-body crew cab with seating for 2+4 crew members
- » Body: Super-structure made of aluminium extrusions and steel profiles
- » Compartments: Dual side with aluminium roller shutter doors
- » Water Tank: 3,000 litres made of Polytank
- » Foam Tank: 2,000 litres Polytank
- » Pump: 3,000 l/min LPM@10 bar rear-mount XYZ pump
- » Quantity and type of discharges
- » Dry Chemical Powder System: 500 kg
- » Master Stream: Remote control water/foam monitor
- » Water Tank: 3,000 litres made of Polytank
- » Foam Tank: 2,000 litres Polytank



## FIRE TRUCKS

### Industrial Pumper

- » Chassis: 6x4 SCANIA P460B
- » Crew Cab: 2+4
- » Body: European-style
- » Water Tank: 2,000 litre Stainless steel or Polypropylene
- » Foam Tank: 5,000 litre Stainless steel or Polypropylene
- » Pump: Darley 1,000 gpm rear-mount
- » Foam System: Balance –pressure Foam System
- » Quantity and type of discharges
- » Master Stream: 1,000 gpm Akron deck monitor
- » Dry Chemical Powder System: 500 kg Burner





### **Foam Tanker**

In expanding their bulk logistics fleet ENOC elected our bulk foam tanker as one of their solutions.

- » Chassis: 6x4 Mercedes-Benz Actros,
- » Cab: The chassis features a crew cab, 4 door fully tilt extended cab suitable for 5-persons
- » Tank Body: 316L stainless-steel
- » Foam Tank: 25,000 litres
- » Foam Pump: L of foam manufactured of including a 1,130 l/min 300 PTO-driven Trident foam pump



## FIRE TRUCKS

### Port-Industrial Pumper

- » Chassis: 6x4 Iveco Model, Euro Tracker chassis
- » Crew Cab: 4-door with seating for 4 crew
- » Body: Super-structure made of aluminium extrusions and steel profiles
- » Compartments: Dual-sided with aluminium roller shutter doors
- » Water Tank: 6,000 litres 316L stainless-steel
- » Foam Tank: 600 litres 316L stainless-steel
- » Pump: Midship mounted Darley PSPH 1,250 gpm low and high pressure
- » Foam System: RTP
- » Discharges and gauge (Pressure, Vacuum)
- » Master Stream: Manual control water/foam monitor Fireco 2,600 litre/min





## Firefighting Water Tanker

- » Chassis : Hino 300 series 4x2 chassis
- » Single cab for 3 firefighters (includes the driver)
- » Super structure made of aluminum/steel profiles
- » Storage lockers each sides closed by aluminum roller shutters
- » Pump: Petrol engine driven pump Approx.1800 lit/min @10 bar
- » Water tank: 550 gallon made of made of Stainless steel grade 316 L
- » Foam tank: 50 gallon made of made of Stainless steel grade 316 L
- » 10,000 lbs. electrical winch
- » Light mast with 4xLED flood lights with 5 m extendable height from the roof level
- » Various fire fighting equipment
- » Warning lights package



## FIRE TRUCKS

### Water and Foam Support Vehicle / Trailer

- » Tank: Mild Steel or Stainless Steel
- » Water Capacity: 25,000 to 40,000 litres
- » Foam Capacity: 5,000 litres
- » Pump: Engine driven 4,800 litres / min at 8 bar
- » Manual or remote operated monitor 4,000 litres / min at 10 bar
- » Manual or electric operated hose reel





## Foam Tote Trailer

- » Trailer Type: Flatbed trailer:
- » Capacity: Total of 8 totes per trailer (1,000 liters each tote)
- » Axles: 2 x 14 ton Multi leaf suspension Axles
- » Material of Construction: Body will be made of Mild steel
- » Foam inlets: 8 Nos 51 mm inlets from totes (Male PP camlocks connection), 4 inlets on each side of manifold.
- » Foam outlets 6 Nos. 102 mm outlets.
- » Foam outlets to fixed monitor.
- » Water flush one adapter will be provided to connect the 64mm (2.5") BIC.
- » Set of suction hoses and other accessories based on application and client's requirements

## Hazmat Trailer

- » Dual axle trailer with adequate carrying capacity
- » Five storage lockers, two on each side, and one at rear closed by roll up shutters.
- » Standard warning lights and electrical socket
- » Portable engine driven fire pump
- » Foam generator
- » Chemical protective suits
- » Firefighting delivery hoses
- » Light mast
- » Diesel engine generator
- » Hazmat and oil spill handling equipment based on client's requirement



## RAPID INTERVENTION VEHICLES

### Rapid Intervention Vehicle

- » Chassis: GMC Sierra
- » Crew Cab: 3
- » Body: Super structure made of aluminium extrusions and steel profiles
- » Compartments: Dual sides with aluminium roller shutter doors
- » Pump: Fireco high-pressure pump 42 LPM@100 bar with
- » Water Tank: 450 litres GRP
- » Foam Tank: 50 litres GRP
- » High-pressure 50 m hose reel with high-pressure nozzle
- » A range of rescue and Hazmat equipment
- » Winch: 8,000 lbs





## RAPID INTERVENTION VEHICLES



### Rapid Intervention Vehicle

- » Chassis: 4x4 Ford F350
- » Crew cab: 3 crew with SCBA jump-seats
- » Body: Aluminium
- » Water Tank: 350 litres GRP
- » Foam Tank: 20 litres GRP
- » Pump: Fireco
- » Discharges and gauge
- » Hose reel with 50 m hose R1 Ø1/2"
- » Winch: Front-mounted 6 ton winch
- » Set of hydraulic rescue tools
- » FLIR K65 Thermal IMAGING Camera



## AMBULANCES

### EN 1789 Certified Ambulance

- » Chassis options: Mercedes Benz Sprinter
- » Body: GRP/ABS
- » Glass fibre reinforced (GRP) roof
- » ABS wall with integrated sliding window between the driver and patient compartment
- » Welded fixation points for stretcher and seating
- » Integrated room emergency external lights
- » One piece floor, anti-slip and easy to clean
- » Ceiling supply centre
- » One door seat
- » One or two rotating front facing seats
- » Partition-wall medical cabinets
- » 12 V/220 V electrical system
- » Medical equipment based on client's requirement





## Type II Ambulance

- » Chassis options: Chevrolet Express/GMC Savana Van
- » Body: Aluminum/Intecel Sheet
- » Extended GRP roof with steel reinforcement floor in marine grade plywood bonded with extra heavy duty vinyl sheet
- » Attendant seat
- » Medical cabinets to client's needs
- » 12 V/220 V electrical system
- » Medical equipment based on client's requirement



## AMBULANCES

### Type I / Type III Ambulances

- » Chassis options: Mercedes Benz Sprinter chassis cab
- » Body: Aluminium extrusions and sheeting
- » Compartments: External storage compartments to accommodate medical equipment and oxygen
- » Rear twin-leaf doors
- » Side-entry door
- » 12 V/220 V electrical system
- » Fully equipped based on the client's requirements





## Box Type Ambulance

- » Chassis options: Ford F350/GMC Sierra
- » Body: Aluminum/Intecel sheets
- » Compartments: External storage compartment
- » Attendant seat
- » Squad Bench
- » Medical cabinets to client's needs
- » 12 V/220 V electrical system
- » Medical equipment based on client's requirement



## AMBULANCES

### Primary Response Vehicles

- » Chassis options: Chevrolet Suburban/GMC Yukon SUV
- » Compartments: Storage compartment with slid out system
- » Emergency equipment based on client's requirement
- » Emergency lighting system





### Ford Ambulance

- » Chassis: Ford Transit 150 medium-roof van
- » Body: GRP/Aluminum roof with integrated warning light system
- » ABS panelling with isolation
- » Medical cabinets
- » Automatic loading stretcher
- » A wheelchair lift is provided on the left-hand side
- » Two foldable seats one on the partition wall and the other on the right-hand side



## SPECIAL VEHICLES

### Slide-out Body Vehicles

We are experts in the manufacturing of slide-out bodies providing up to one meter of expanded floor space per side. These features can be offered on a wide range of chassis including rigid chassis vehicles as well as semi-trailers. Vehicle configurations are highly customisable to client's needs including the following applications:

- » Incident Command Vehicles
- » Mass Casualty Management Units
- » Mobile Hospitals and Theatres
- » Law Enforcement Military Command, Intelligence, Control and Communications Vehicles
- » Drone Ground Base Units
- » Field Offices
- » Field Accommodation
- » Mobile Homes







### Mobile Dental Clinic

- » Chassis: Nissan or equivalent 6x4 commercial chassis
- » Body: The super-structure is fabricated from aluminium extrusions and steel profiles covered with aluminium sheeting
- » Modules include a dental clinic, reception area and toilet
- » The dental clinic contains the following:
  - Foldable doctor table with chair
  - Chair for patient
  - Complete dental chair
  - A sink with faucet
- » Fresh water tank connected to the dental chair
- » The reception area contains the following:
  - Reception table with chair
  - Overhead cabinet
  - Bench seat for the waiting patients

## SPECIAL VEHICLES

### Explosive Ordnance Disposal / Satellite Newsgathering Vehicles Unit

- » Chassis: Ford Transit/Mercedes Benz Sprinter
- » Working table with rotating chairs
- » LED Monitor fixed on the wall
- » IT racks to meet client's requirement





### Mobile Workshop

Mobile workshops and service units can be built on any type of van or truck chassis. The internal configuration can accommodate amongst others work benches, tool cabinets, a generator, a compressor and 12 V/220 V electrical system.

Tools, facilities, and configuration are highly customisable and vary from one end-user to another depending on the purpose the unit is built for.



## SPECIAL VEHICLES

### Abu Dhabi Live Media

- » Chassis: 4x2 Isuzu or equivalent commercial chassis
- » Body: The super-structure made of aluminium extrusions and steel profiles with side-doors
- » The interior is fitted with storage shelves and and tracks based on client's requirements
- » A 50 KVA diesel generator is provided in the forward compartment of the super-structure
- » Exterior compartments are provided for the storage of electrical equipment including cable drums and flood lights
- » Pneumatically operated 500 kg tail-lift is provided at the rear





### Traffic Management Unit

- » Chassis: Ford F350 crew-cab chassis
- » Body: Aluminum body
- » Storage compartments: Dual-sided enclosed by hinged doors
- » Light mast with LED flood lights
- » 2 kVA engine generator
- » LED flashing arrow board
- » Miscellaneous traffic management equipment







